Final Report of the Commission for the Study of Alternatives to the Panama Canal

Volume XI

Commodity and Traffic Projections Phase II (2)

1993

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FINAL REPORT

COMMODITY AND TRAFFIC PROJECTIONS STUDY

VOLUME III

PANAMA CANAL POTENTIAL AND PROJECTED TRADE

To:

The Commission for the Study of Alternatives

to the Panama Canal

Prepared by:

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COMISION DE ESTUDIO
DE LAS ALTERNATIVAS
AL CANAL DE PANAMA

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THE WEFA GROUP

July 13, 1993

Mr. Masaru Ito
Executive Director
Commission for the Study of Alternatives to the Panama Canal
P.O. Box 2094
Balboa, Ancon Panama
Republic of Panama

Dear Mr. Ito:

WEFA is pleased to submit this Final Report of the Commodity and Traffic Projections Component Study. The report is contained in four volumes.

- Volume 1 contains the main text of the report and is complete in itself, covering every element of the project and summarizing the results.
- Volume 2 contains the maritime transportation cost for each Panama route and the least cost alternative route and the approach that we used in determining these costs.
- Volume 3 presents the Panama Canal commodity flow projections. It includes the base-year (1990) bilateral and potential trade analysis, the world economic outlook, the forecasts of bilateral and potential trade, and the route by route commodity flows for each Panama Canal Alternative. Finally, this volume contains the tables for allocation of commodities to ship cargoes.
- Volume 4 provides the Panama Canal vessel transit projections by ship type and size range for each route and for each Canal Alternative.

Sincerely yours,

Bradley W. Perry, Ph.D.
Senior Vice President
Consulting Services

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1.0 BILATERAL AND POTENTIAL TRADE

1.1 Introduction

The analysis of world bilateral trade relative to the Panamanian Isthmus is the pivotal exercise in this study. The purpose of this analysis is to determine the level of **Panama potential trade**, namely the flow of commodities that would transit the Isthmus of Panama in the absence of any physical, economic or other impediment.

The term **bilateral trade** refers to the total trade between two countries. **Potential trade**, in this study, refers to that part of bilateral trade that represents the maximum possible commodity flow through the Isthmus. Potential trade, therefore, is that part of the bilateral trade that might have gone or may, in the future, go through the Isthmus in the absence of any impediment.

The approach of this study has been to determine potential trade on a mileage basis. That is, we examined the historical 1990 bilateral trade in sufficient detail to make possible country-to-country and port-to-port mileage comparisons between each Panama Canal route and the shortest alternative route.

Beyond the scope of this study were estimates of changes that would occur in **bilateral trade** if there were no physical, economic or other impediment to maritime traffic across the Panamanian Isthmus. Both the historical and forecast bilateral trade, that is the total trade between pairs of countries, were estimated assuming the existing Panama Canal to be in place.

If we had taken it into consideration in the Potential Trade Analysis, the effect of removing the Isthmus as an impediment to world trade would be two-fold. First, the reduced cost of the Isthmus route and its availability to ships larger than can now transit the Panama Canal would shift patterns of bilateral trade. To name one example, the share of Colombian coal going to Asian markets would probably rise relative to the share going to European markets.

Secondly, the reduced overall costs of transportation would have the effect of increasing consumption, production, or, more probably, both. As we have noted, neither of these effects have been addressed in this study because they are judged to be small overall. However, for some trades, such as the Colombian example, they might not be.

Using the mileage basis alone ignores another factor in world trade. Most general cargo ships operate on regular routes, picking up cargo at any one port along the route and dropping it at another. The economics of this "liner trade" are such that shipping rates may not be a simple function of mileage. A relatively small cargo may cost less to ship on a longer route through the Canal than on a shorter route that is not regularly travelled.

For this reason, we observe a small amount of trade on routes whose mileage is longer through the Canal. This is shown in Table 1, where we summarize the results of the analysis by route table for the aggregate routes in the study (see Table A.9).

TABLE 1.1 BILATERAL AND POTENTIAL TRADE ANALYSIS FOR 1990, TOTALS EACH ROUTE, THOUSAND TONNES

ORIGIN	DESTINATION	BILATERAL TRADE	PANAMA CANAL TRADE	POTENTIAL TRADE	NON-POTENTIAL TRADE	RATIO: POTENTIAL TO BILATERAL
Routes for which all mileages through the Canal are greater						
AFRICA	ASIA	18,330	1	0	18,330	0.0%
AFRICA	OCEANIA	835	127	0	835	0.0%
ASIA	EUROPE	43,767	368	0	43,767	0.0%
EUROPE	ASIA	51,865	494	0	51,865	0.0%
TOTAL		114,797	990	0	114,797	0.0%
PERCENT OF GRAND TOTAL		28.7%	0.6%	0.0%	56.0%	
TOTAL NON-POTENTIAL AS A PERCENT OF GRAND TOTAL BILATERAL					28.7%	
Routes for which most mileages through the Canal are greater						
OCEANIA	EUROPE	45,590	758	729	44,862	1.6%
S. AMERICA E.C.	OCEANIA	768	4	87	681	11.3%
MIDDLE EAST	U.S. W.C., HAWAII	574	73	73	501	12.8%
OCEANIA	S. AMERICA E.C.	2,302	534	561	1,741	24.4%
EUROPE	OCEANIA	3,023	1,045	942	2,081	31.2%
S. AMERICA E.C.	ASIA	49,440	1,954	20,657	28,782	41.8%
TOTAL		101,697	4,367	23,049	78,648	22.7%
PERCENT OF GRAND TOTAL		25.4%	2.8%	11.8%	38.4%	
TOTAL NON-POTENTIAL AS A PERCENT OF GRAND TOTAL BILATERAL					19.6%	
Routes for which some mileages through the Canal are greater						
OCEANIA	U.S. EAST COAST	4,899	3,704	3,940	959	80.4%
ASIA	U.S. EAST COAST	16,387	12,894	13,304	3,084	81.2%
ASIA	S. AMERICA E.C.	270	252	229	42	84.6%
AFRICA	U.S. W.C., HAWAII	162	124	144	17	89.4%
U.S. EAST COAST	ASIA	73,474	53,976	66,247	7,227	90.2%
S. AMERICA E.C.	U.S. W.C., HAWAII	1,872	2,238	1,808	64	96.6%
U.S. EAST COAST	OCEANIA	3,140	2,790	3,107	33	98.9%
S. AMERICA E.C.	CANADA WEST COAST	111	158	110	1	99.0%
U.S. W.C., HAWAII	AFRICA	1,669	1,452	1,663	6	99.6%
TOTAL		101,983	77,587	90,550	11,433	88.8%
PERCENT OF GRAND TOTAL		25.5%	49.2%	46.3%	5.6%	
TOTAL NON-POTENTIAL AS A PERCENT OF GRAND TOTAL BILATERAL					2.9%	
Routes for which no mileages through the Canal are greater						
U.S. W.C., HAWAII	S. AMERICA E.C.	350	344	350	0	100.0%
AFRICA	C. AMERICA W.C.	239	239	239	0	100.0%
AFRICA	CANADA WEST COAST	811	788	811	0	100.0%
AFRICA	S. AMERICA W.C.	81	81	81	0	100.0%
ASIA	CANADA EAST COAST	510	534	510	0	100.0%
ASIA	CENTRAL AMERICA E.C.,	1,548	1,642	1,548	0	100.0%
C. AMERICA W.C.	AFRICA	107	107	107	0	100.0%
C. AMERICA W.C.	CENTRAL AMERICA E.C.,	705	705	705	0	100.0%

TABLE 1.1 BILATERAL AND POTENTIAL TRADE ANALYSIS FOR 1990, TOTALS EACH ROUTE, THOUSAND TONNES (Continued)

ORIGIN	DESTINATION	BILATERAL TRADE	PANAMA CANAL TRADE	POTENTIAL TRADE	NON-POTENTIAL TRADE	RATIO: POTENTIAL TO BILATERAL
C. AMERICA W.C.	EUROPE	1,057	1,057	1,057	0	100.0%
C. AMERICA W.C.	S. AMERICA E.C.	160	160	160	0	100.0%
C. AMERICA W.C.	U.S. EAST COAST	3,716	1,669	3,716	0	100.0%
CANADA EAST COAST	ASIA	4,969	1,718	4,969	0	100.0%
CANADA EAST COAST	C. AMERICA W.C.	31	32	31	0	100.0%
CANADA EAST COAST	OCEANIA	175	140	175	0	100.0%
CANADA EAST COAST	S. AMERICA W.C.	334	236	334	0	100.0%
CANADA EAST COAST	U.S. W.C., HAWAII	10	52	10	0	100.0%
CANADA WEST COAST	AFRICA	1,292	1,716	1,292	0	100.0%
CANADA WEST COAST	CENTRAL AMERICA E.C.,	83	96	83	0	100.0%
CANADA WEST COAST	EUROPE	8,658	7,260	8,658	0	100.0%
CANADA WEST COAST	MIDDLE EAST	263	263	263	0	100.0%
CANADA WEST COAST	S. AMERICA E.C.	1,302	552	1,302	0	100.0%
CANADA WEST COAST	U.S. EAST COAST	1,052	1,054	1,052	0	100.0%
CENTRAL AMERICA E.C.,	ASIA	1,825	2,071	1,825	0	100.0%
CENTRAL AMERICA E.C.,	C. AMERICA W.C.	1,004	1,004	1,004	0	100.0%
CENTRAL AMERICA E.C.,	OCEANIA	24	24	24	0	100.0%
CENTRAL AMERICA E.C.,	S. AMERICA W.C.	804	804	804	0	100.0%
CENTRAL AMERICA E.C.,	U.S. W.C., HAWAII	1,232	1,232	1,232	0	100.0%
EUROPE	CANADA WEST COAST	250	463	250	0	100.0%
EUROPE	S. AMERICA W.C.	1,176	1,973	1,176	0	100.0%
EUROPE	U.S. W.C., HAWAII	3,393	3,500	3,393	0	100.0%
EUROPE	C. AMERICA W.C.	756	848	756	0	100.0%
OCEANIA	CANADA EAST COAST	158	521	158	0	100.0%
OCEANIA	CENTRAL AMERICA E.C.,	311	312	311	0	100.0%
S. AMERICA E.C.	C. AMERICA W.C.	1,868	1,868	1,868	0	100.0%
S. AMERICA E.C.	S. AMERICA W.C.	2,098	2,098	2,098	0	100.0%
S. AMERICA W.C.	AFRICA	137	137	137	0	100.0%
S. AMERICA W.C.	CANADA EAST COAST	481	41	481	0	100.0%
S. AMERICA W.C.	CENTRAL AMERICA E.C.,	5,627	5,627	5,627	0	100.0%
S. AMERICA W.C.	EUROPE	7,443	6,383	7,443	0	100.0%
S. AMERICA W.C.	S. AMERICA E.C.	485	229	485	0	100.0%
S. AMERICA W.C.	U.S. EAST COAST	8,250	7,993	8,250	0	100.0%
U.S. EAST COAST	C. AMERICA W.C.	4,170	4,332	4,170	0	100.0%
U.S. EAST COAST	CANADA WEST COAST	121	210	121	0	100.0%
U.S. EAST COAST	S. AMERICA W.C.	4,378	4,053	4,378	0	100.0%
U.S. EAST COAST	U.S. W.C., HAWAII	1,422	1,422	1,422	0	100.0%
U.S. W.C., HAWAII	CANADA EAST COAST	212	190	212	0	100.0%
U.S. W.C., HAWAII	CENTRAL AMERICA E.C.,	392	392	392	0	100.0%
U.S. W.C., HAWAII	EUROPE	5,475	5,626	5,475	0	100.0%
U.S. W.C., HAWAII	U.S. EAST COAST	996	996	996	0	100.0%
TOTAL		81,941	74,795	81,941	0	100.0%
PERCENT OF GRAND TOTAL		20.5%	47.4%	41.9%	0.0%	
GRAND TOTAL		400,418	157,739	195,541	204,878	48.8%

In this study, the term **bilateral trade** normally refers to the trade on the Canal routes shown in Table 1, rather than the global total of bilateral trade. In the data used in this study, the global world trade total in 1990 was 2.59 billion tonnes, but this excludes non-OECD, non-OECD trade on non-Canal routes. According to OECD estimates (**Maritime Transport 1990**) total 1990 world seaborne trade was 4.06 billion tonnes.

As shown in Table 1, in 1990 that part of total bilateral trade that flows on the Canal routes amounts to 0.40 billion tonnes, just 10% of the world total, the potential Panama trade amounts to 0.20 billion tonnes or 5% of world trade, and the actual trade through the Canal is 3.9% of world trade. The potential trade for the Canal is relatively small in world terms because the Canal is not in an advantageous geographical location for the bulk of world trade.

In our measurement of total potential trade from the 1990 data, we obtained a figure less than half of the total bilateral trade over routes for which trade is observed through the Canal. As shown in Table 1, this is the result of the following situation.

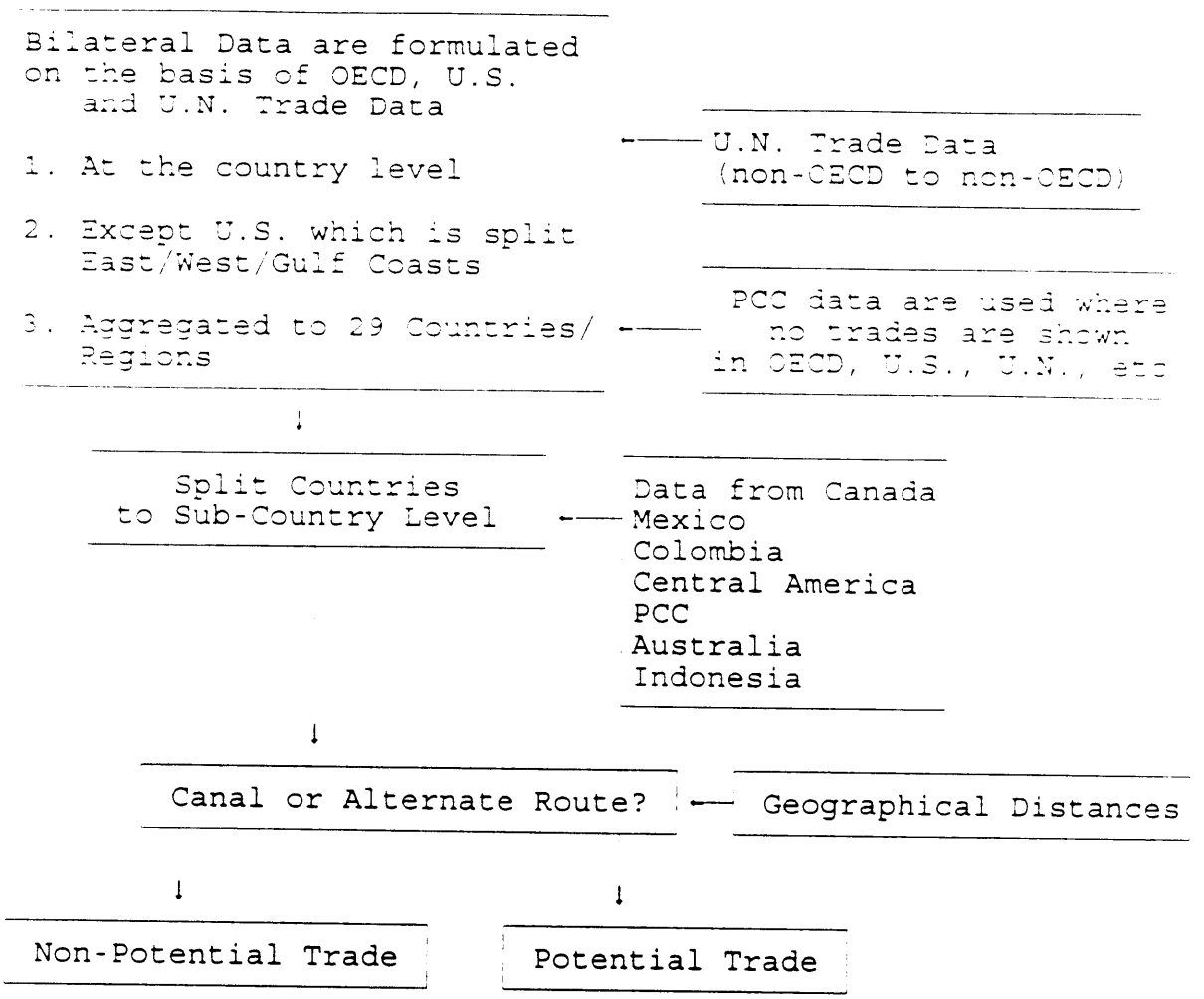
> There are routes on which Canal commodity flows are observed, but for which the Canal is **not the shortest route**. A conspicuous example is trade between Europe and Asia. For no pair of countries or ports in the Europe-Asia trade is the mileage through the Canal shorter. In terms of bilateral trade, this is a very large number. In terms of potential trade it is zero. The trade between Europe and Asia alone accounts for 24% of the total of bilateral trade over all Canal routes.

A second factor is that bilateral trade is always reported on a country-to-country basis. To determine potential trade, bilateral trade for many countries must be split between coasts or ports of individual countries. For example, Canada, Mexico, Central America and Colombia all have east and west coasts with respect to the Canal. Canada is particularly important in this regard as nearly all trade between Canada and Asia is from the west coast of Canada, and nearly all to Europe from the east coast.

1.2 Analysis of the 1990 Historical Data

The approach that we have used in determining potential Panama Canal trade is outlined diagrammatically in Figure 1. We began with the data in the WEFA Trade Analysis Service, which contain nearly 20 years of annual data on bilateral trade between the OECD countries and the rest of the world. This is based on the OECD Series C Trade Data and the U.S. Waterborne Trade Data. These data were first aggregated to the 14 commodities of the study (see Appendix Table A.7) from the 150 commodities in the database (Tables A.2 and A.3). Further, they were aggregated from the 50 countries and regions in the database to the 21 countries and regions shown in Table A.4, plus Brazil, Argentina, Chile, Saudi Arabia, Japan, Australia, Singapore and Thailand.

FIGURE 1.1 APPROACH TO ANALYZING THE 1990 HISTORICAL DATA



To these data, we added United Nations data for bulk trades on Panama Canal routes and PCC data for the remaining non-OECD, non-OECD routes. We estimated the non-OECD, non-OECD trades in this way because only the bulk trades travel in ships which cannot pass the existing Canal. The PCC data are thus the best estimate of potential Canal trade for these other commodities.

To this point in our analysis, the bilateral trade was between countries. To determine potential Panama trade, the trade of countries of the Western Hemisphere had to be split between East and West Coasts, and splits of countries and regions in Asia and Oceania had also to be made. Further, Chile and Brazil had to be split by port.

Unlike other countries and regions, U.S. trade is already split between coasts in our data set. For Canada, we use port data from Statistics Canada, aggregated to the East and West Coasts. For Mexico, Central America and Columbia, we used a combination of data sources to split the data. For goods traded in ships that are much smaller than the current Canal, the best source was the PCC data. As before, for the bulk trades we used country and other source data. For Mexico through Colombia the distances of the alternate routes are so much longer that there is no question that the PCC data are an accurate representation of the total potential trade on these routes.

In Saudi Arabia, Indonesia (part of Southeast Asia NEC), and Australia, splits in bulk trades needed to be made for such trades as Bauxite/Alumina and Crude Oil. Most of this was done by inference, based on the size of the ships involved and the knowledge as to where the ports involved in these trades are located.

An example of this inferential approach is the Australia to East Coast United States trade in Alumina/Bauxite. From the East Coast of Australia to both New York and New Orleans, the Panama route is the shortest. From the West Coast of Australia to New York, the routes via both Cape of Good Hope and Suez are shorter than Panama. However, the choice of a route to be taken depends on the tolls charged for going through the Suez. For West Coast Australia to New Orleans, Panama is shorter.

Therefore, in this example, all trade from Australia to the U.S. Gulf coast would be potential trade through Panama Canal, but only that portion from the East Coast of Australia would be potential Panama trade for the U.S. East Coast. The data we needed to split this are proprietary, therefore unavailable, and thus we had to use inference.

Industry sources told us that all movements of Bauxite/Alumina are in ships from around 40,000 DWT up to Panamax and none in ships larger than can pass through the Panama Canal. The PCC data show that 1.6 million tonnes transited in 1990 on the route Australia to U.S. East Coast. The bilateral trade data show that 2.5 million tonnes total came from Australia to the U.S. East Coast. Since all of the Alumina/Bauxite trade was on ships that could transit the Canal and whose rates are based on mileage, we infer that the 1.6 million tonnes were from the East Coast of Australia, for which the mileage is shorter, and the remainder of the bilateral trade, 0.9 million tonnes, from the West Coast of Australia. The former is potential Panama trade and the latter is non-potential.

We have made the assumption, both in using the PCC data extensively in the estimates of potential trade and in using it as the basis for both the with-tolls and without-tolls forecasts, that the current Panama Canal tolls do not have a significant effect on traffic.

Specifically, when the data are split between opposite coasts and where published trade data between non-OECD areas are more sparse, then other sources are required. Such sources include the PCC, Statistics Canada and the U.S. Commerce Department, which would have implicitly incorporated existing conditions: the current tolls on the Panama Canal and landbridge costs, among others.

As a result of the approach we have taken, we are confident that the extent to which our overall estimates of potential trade may be understated because the impact of existing tolls on the 1990 trade flows is minimal. Moreover, we know from our work on mileages, transportation costs and vessel utilization that this small shortfall, if it exists, is confined to those relatively low volume trades between non-OECD areas located at the outermost points of the geographical regions included in the analysis.

In addition, we know that these cargoes are moved in vessels whose size is less than the Status Quo Canal dimensions. Therefore, enlargement of the Canal would have no impact on the routing of such trade flows. It follows that even if there is this very minor omission from potential trade, it is common to all cases under study assuming the same toll structures are applied in all cases including the Status Quo. As a result, the benefits of an enlarged Canal relative to the existing Canal are unaffected except possibly a very small effect in 2060 due to the constraint on Canal capacity.

The detailed results of this analysis are shown in the Tables 1.18 through 1.31. These tables contain the entire bilateral trade among the 29 countries/regions. Therefore, the line "Total Trade" in each table refers to the total world trade accounted for in our database. The asterisked non-potential trades are those trades that should not use the Panama Canal on a mileage basis but do. There are thus numerous instances for which the existing Panama Canal trade exceeds the potential trade.

In Table 1.32, we provide the port-to-port mileages that we used in the potential trade analysis. These mileages may differ from those shown in Volume II for the transportation cost calculations. In the latter case, we also took into account combinations of origin and destination ports for specific ship types. Further, in the case of liner trades, the mileages used for transportation costs must also take into account ship itineraries. For example, a ship calling at East Coast South American ports, passing the Panama Canal, and then calling at West Coast South American ports would replace the distance between the last port of call on the one coast and the first port of call on the other with an itinerary down the east coast, around the Horn, and back up the west coast. The difference in the cost between ports on the two different routes is thus the replacement of one itinerary with another <u>not</u> the arithmetic mileage difference in two ports along the itinerary.

In Table 2, which gives the results of the analysis by commodity, we see that this occurs in the 1990 data for Bauxite/Alumina, Crude Petroleum, and General Cargo. Unfortunately, these are all results of differences in data sources and do not represent the actual situation. The first two commodities are carried in bulk carriers and thus should go on the shortest mileage route. For all of those commodities that travel in ships that can transit the present Canal, potential trade and Panama Canal trade should be identical, except for the effects of liner trade that we have mentioned and that are evidenced by the asterisks in the detailed tables.

TABLE 1.2 BYPASS TRADE ANALYSIS

COMMODITY	TOTAL BILATERAL TRADE 1990	2020	2060	NON-POTENTIAL TRADE 1990	2020	2060	POTENTIAL TRADE 1990	2020	2060	PANAMA CANAL TRADE 1990	2020	2060
IRON ORE	74 827	198 428	216 752	54 771	147 545	159 350	20 056	50 883	57 401	581	1 362	[illegible]
BAUXITE ALUMINA	7 123	18 188	13 276	4 217	8 700	7 869	2 906	9 489	5 407	2 906	9 489	[illegible]
CRUDE PETROLEUM	12 540	25 244	24 692	2 918	6 236	8 144	9 621	19 008	16 548	9 621	5 308	[illegible]
COAL & COKE	66 990	144 336	190 271	40 233	80 539	107 527	26 757	63 796	82 743	10 978	[illegible]	[illegible]
BULK GRAINS	28 560	49 524	78 303	5 032	5 167	11 401	23 528	44 356	66 902	23 528	44 356	[illegible]
FERTILIZERS	19 901	20 431	41 906	6 360	12 734	23 172	13 440	7 697	18 735	13 009	8 229	[illegible]
BULK CHEMICALS	13 136	38 582	59 939	5 575	16 097	26 265	7 561	22 486	33 674	6 967	23 920	[illegible]
PETROLEUM PRODUCTS	24 122	32 429	30 023	7 980	15 109	20 808	16 142	17 320	9 215	12 490	16 995	[illegible]
OILS AND FATS	4 622	9 519	16 510	3 623	7 725	13 010	999	1 794	3 500	729	1 449	[illegible]
REFRIGERATED CARGO	7 831	18 630	29 714	2 091	4 753	7 477	5 740	13 877	22 237	5 389	[illegible]	[illegible]
VEHICLES	4 335	6 851	6 317	2 599	4 454	3 745	1 736	2 397	2 571	1 647	[illegible]	[illegible]
MINOR BULKS	77 386	120 193	199 985	33 712	50 442	85 243	43 674	69 751	114 742	36 806	[illegible]	[illegible]
CONTAINERIZED CARGO	56 824	134 776	218 644	35 201	86 401	148 981	21 623	48 375	69 664	20 840	46 835	[illegible]
GENERAL CARGO	3 112	7 429	13 888	564	1 364	2 315	2 549	6 065	11 573	[illegible]	[illegible]	[illegible]
TOTAL	401 209	824 561	1 140 220	204 878	447 267	625 308	196 332	377 295	514 911	157 472	[illegible]	[illegible]
MAJOR BULKS	190 040	435 720	523 293	107 172	248 188	294 291	82 869	187 532	229 002	47 615	[illegible]	[illegible]
CONTAINERS	56 824	134 776	218 644	35 201	86 401	148 981	21 623	48 375	69 664	20 840	46 835	[illegible]
OTHER	154 346	254 066	398 282	62 505	112 679	182 037	91 840	141 387	216 245	89 018	153 406	[illegible]

The difficulty is that as soon as one gets away from the bulk tradesthe PCC data show sharp differences from the international data used in the bilateral trade analysis. These differences have four sources:

1. Containerization - WEFA estimated the containerization of general cargo in the historical data based on surveys and other information. In general, containerization of internationally traded commodities is not given in the data. On the other hand, the PCC provides data on total tonnes containerized, without indicating what specific goods are in the containers.

2. Definitional differences - the PCC has its own unique definitions of commodities. Under the leadership of the United Nations, the country data that form the basis for the bilateral trade forecasts, have moved toward a "harmonized" commodity code. This allows trade data from one country to be compared in a unique way with those from any other. As the PCC has not shifted to an internationally accepted commodity coding basis, significant differences can be expected to arise for many of the commodities.

3. Assignment differences - We have assigned Panama cargoes to major categories based in large part on the type of ship in which the PCC shows the cargo being carried. In assigning the cargoes in the bilateral trade data, we have made every effort to be consistent with the PCC, but differences inevitably arise.

4. Differences in data sources - No two data sources ever agree, in part for the two reasons just noted, and differences always arise. The bilateral trade data are, at base, derived from customs data of the individual countries. The PCC is an entirely separate entity and cannot be expected to use the same definitions, etc., and the individual countries.

These issues are important for the forecasting process. The base data for the commodity forecasts have to be the PCC data to be consistent with data on cargoes and ship transits. However, the data show large differences in definition between the bilateral trade data and the PCC data. For this reason, as discussed in Section 2.0 of this volume, we use growth rates rather than the levels of the potential trade forecasts for other than bulk trades.

1.3 Forecasts of Bilateral and Potential Trade

1.3.1 World Economic Forecasts to 2060

Developing a view of the world thirty to sixty years into the future is an extraordinarily difficult exercise. This is not a world whose characteristics we can develop based on simple increments of current trends - one must construct a completely new scenario to have a picture which is at all realistic.

For the near-term period, namely the next 20 years, the labor force has already been born, the major technical changes are already on the drawing board, and we do not expect any surprises in terms of how countries and their foreign trade would develop. This is the reason that econometric models, models which are calibrated on current economic data, can be useful tools for developing a picture of economic development over this period.

For the longer term, structural econometric models are not adequate because they do not provide sufficient insight into constructing a picture of the world thirty and seventy years in the future. The approach one is forced to take is to make careful estimates of key factors judgmentally and combine them to form a complete scenario. The key variables become:

- geopolitical factors
- population and labor force by region
- productivity by region
- structural change
- technological innovation

- transportation costs
- the terms of trade
- environmental policy

In producing long-term forecasts, one must keep in mind the potential for the accumulation of small deviations in each iteration. In compiling long-term projections, WEFA produces high and low growth scenarios to provide an envelope covering what we believe to be the set of reasonable alternatives. The following table provides the long-term average divergence between these outlooks. To understand the table, recall that the rate of economic growth is just the product of the growth in the total number of hours worked by employed labor and the growth rate in labor productivity.

- Demographic projections - 0.2% per year;
- Labor force participation - 0.2% per year;
- Hours worked - 0.1% per year;
- Output per hour - 0.4% per year;
- GDP (sum of the above) - 0.9% per year;
- Exports - 1.3% per year;
- Imports - 1.5% per year;

If we take the average trade uncertainty expressed in the WEFA scenarios as 1.4% per year, this would imply +/- 0.7% per year. Then:

- in five years, this produces +/- 3.5% uncertainty;
- in ten years, this produces +7.2%/-6.8% uncertainty;
- in twenty years, this produces +15.0%/-13.1% uncertainty;
- in thirty years, this produces +23.3%/-19.0% uncertainty;
- in seventy years, this produces +63.0/-38.8% uncertainty.

Clearly, the level of uncertainty one gets from trend analysis for seventy years and even thirty years is unacceptable. It is just this level of uncertainty which one can expect from even the best type of forecasting model based solely on econometric analysis of recent trends. The inescapable conclusion is that one must use another method.

The method which we have used is as follows.

Steps for long-term forecasting

- We begin with a demographic forecast. Populations generally change slowly. For example, as already noted the labor force which will be available for the next fifteen to twenty years has already been born.

- We assume that labor force participation rates level out, at least in the industrialized countries. This is happening already and is a result of the increasing value of leisure time with increasing per-capita income.

- As populations approach equilibrium, the relationship between the working age population and the total population becomes stable. If this is the case and if labor force participation rates level out, as we have already assumed, the rate of growth of employment is the same as that of population. **Note that short-term econometric models forecast demand and produce forecasts of unemployment. Long-term models take full employment as an assumption and forecast production and the share of that production which is consumed in the current period (consumer goods), the share which goes into goods which last more than three years (investment goods), the share which is used up in the production process (intermediate goods) and the share which is services.**

- Likewise, we assume stability in hours worked. With this added assumption, the growth rate of hours worked and population will be the same. To the extent that all of these assumptions hold, we can have a high level of confidence in projections of the labor input to economic growth, namely, the growth rate in total hours worked, which is based on assumptions as to population growth.

- We examine the trends in labor productivity in the industrial economies. These are leveling off, as one might expect, as the great gains in efficiency have already been reached in the most industrialized areas. Further, significant output is being diverted to the production of benefit streams which are not included in the GDP concept, such as a cleaner environment.

- These trends are used to develop projections of GDP capita for all countries over time. This GDP capita projection is carefully examined for the sense it makes. Clearly, a great deal of judgement must be used at this point.

- We also examine trends in imports and exports as a ratio to GDP. The growth curve in these ratios is also expected to flatten out for two reasons:

  - the shift to services

  - the declining resource base.

- The sum total of this analysis provides a "top-down" forecast of world trade, that is, trade flows which are developed from a view of economic growth.

- At the same time, we develop a "bottom-up" view of bilateral trade in those specific commodities covered by the various WEFA commodity services - agriculture, energy, and industry. These cover all of bulk trade, both liquid and dry, and trade in motor vehicles, motor vehicle parts, and primary steel products.

- Finally, we subject the long-term trade projections to the scrutiny of our experts in the WEFA energy, steel, auto, and agriculture departments for their adjustments. We also have compared them to other forecasts, including those of the PCC.

This is the procedure which we have used in developing the projections for 2020 and 2060.

For forecasts to 2010, WEFA uses its World Model System that is diagrammed in Figure 1.2. The system consists of 30 macroeconomic models, a model for each of the 25 developed countries, namely the 24 members of the Organization for Economic Cooperation and Development (OECD) and South Africa, and for each of the following developing regions: Latin America, the Gulf Four, Africa (excluding South Africa), the Pacific Basin, Other Asia, and the current and former Centrally Planned Economies.

Each of these models is of the form shown in Figure 1.3 and consists of a total of 215 variables, of which 37 are determined by econometrically estimated stochastic equations and 38 are exogenous. The remaining 140 variables are determined by accounting identities or transformations. The major drivers for each model in the very short run are the 93 final expenditure variables covering consumption, investment, government, exports and imports.

In the longer run, supply side variables - labor, capital stocks, prices and the country's balance of payments - become the important variables. Each of these models can be used to produce twenty-year forecasts for each country or region.

The 30 models are tied together in the following way: each country's imports are divided into three categories - energy goods, primary non-energy goods, and manufactured goods. Then each of these values is divided into 29 parts: the imports from each of the other countries/regions. When this process is carried out for all 30 countries/regions and the price markups due to trade added in, a summation can be performed for each of the exporting countries to identically determine exports by these three aggregate commodities.

These export calculations come at the end of the solution for a given period and produce a different value from the value exports are given at the beginning of the solution. Therefore, the solution for each period must be repeated until the starting and ending export values are the same within some predetermined level of precision. In this way, we use this system of models to produce 20-year forecasts. This study is based on the January, 1991 WEFA World Economic Forecast, carried out to 2010.

Figure 1.2

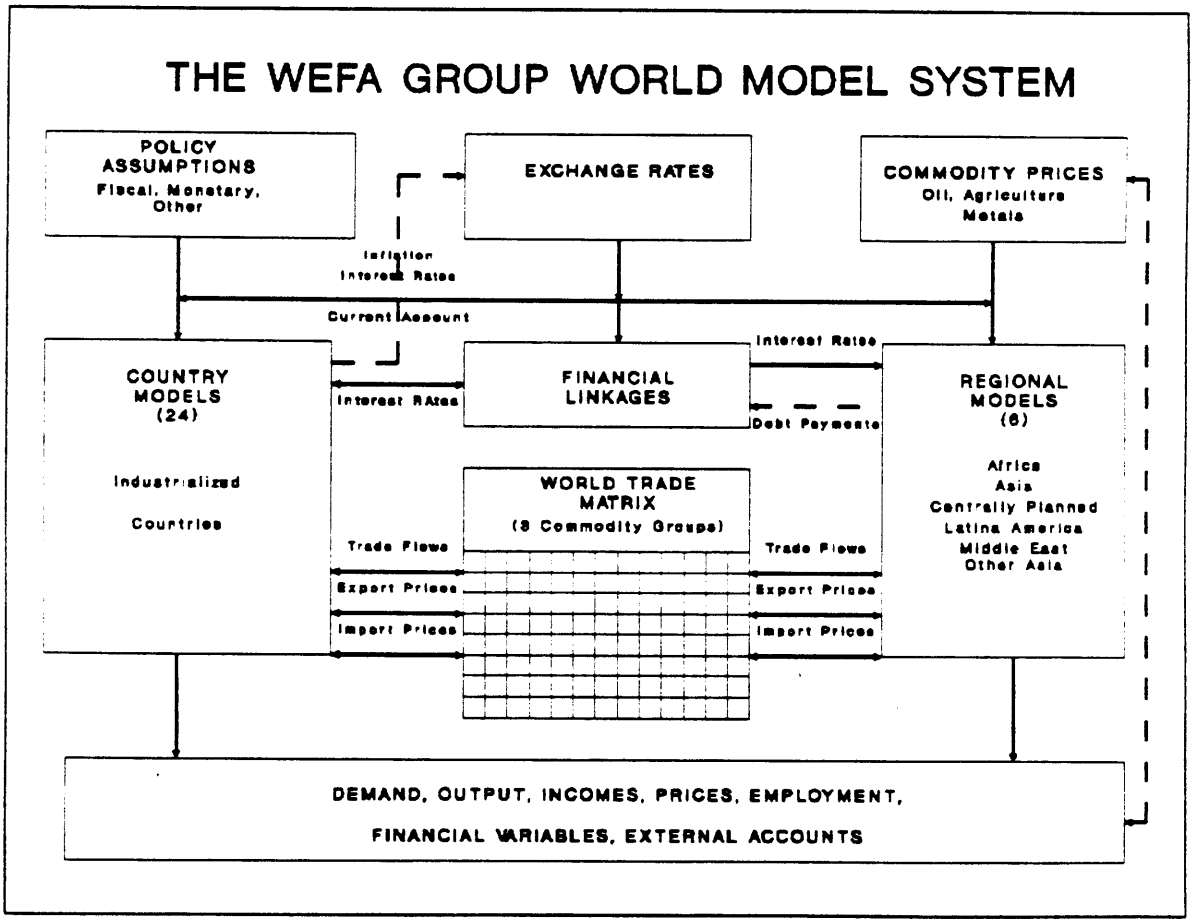
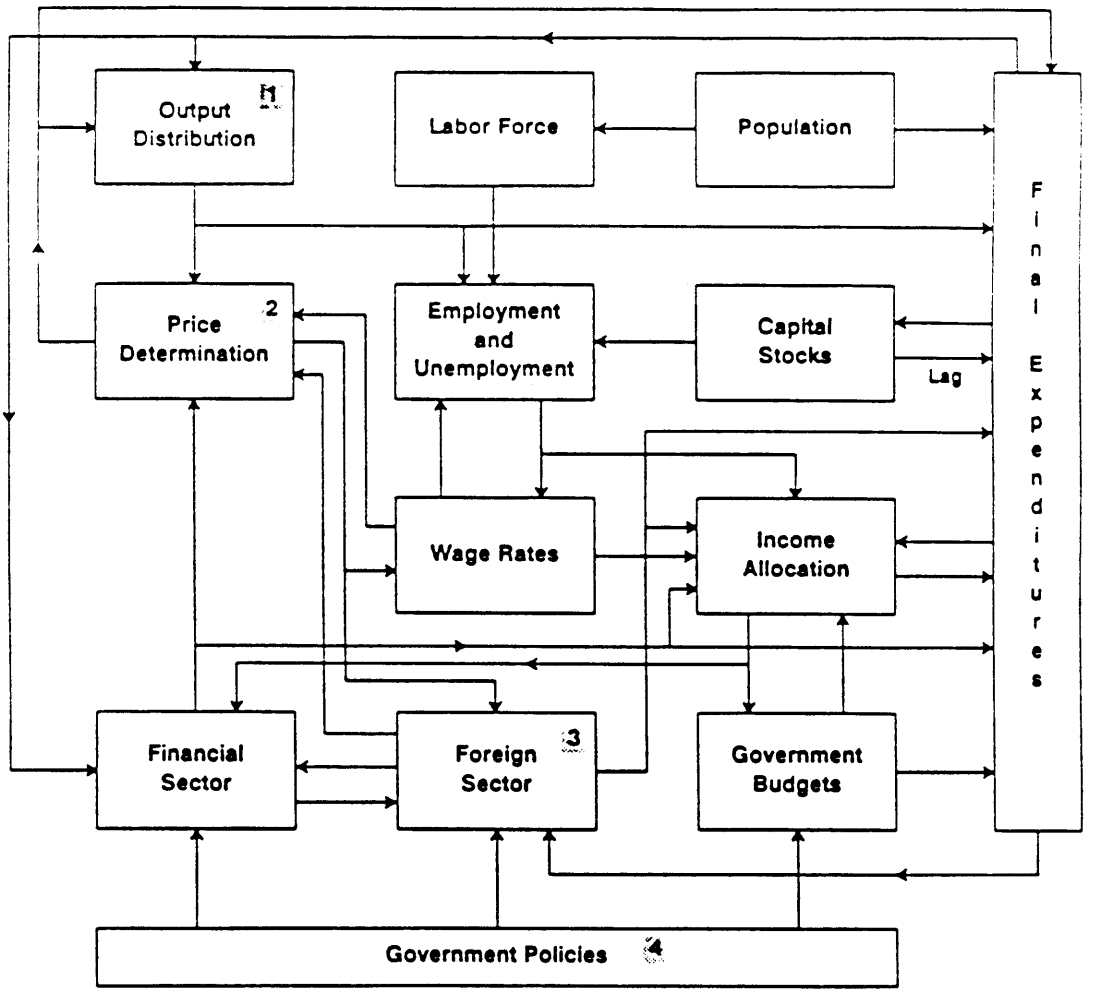


Figure 1.3

Individual Model Schematic



1 in development stages – current version has industrial production only

2 Includes commodity price assumptions – fuels and nonfuels

3 links to trade and payments linkage bloc of World Econometric Model

4 Includes exchange rates as well as government policies with regard to tax rates, money supply targets, discount interest rates, and government deficits/surpluses

To examine the period from 2010 to 2060, we constructed a new model: a simplified version of the WEFA World Model System and of the WEFA trade forecasting system. In this model, behavioral variables, which are based on stochastic equations values for the period 1990-2010, are projected judgementally.

We begin the forecasts with U.N. population forecasts which are carried out through 2025. As noted above, under suitable assumptions, the growth in population is just the growth in employment.

The second step is to extend the short-term assumptions concerning labor productivity which are implicit in our short-term forecasts. As already discussed, this process involves assumptions as to the rate of technological progress in the industrialized world and the rate of diffusion of technological information from the industrial countries both to the emerging market economies and to the industrializing economies of the "third world".

We then extend the U.N. fertility and longevity assumptions consistent with the per capita GDP results. Finally, the total real GDP forecasts are just the product of the population and GDP per capita projections.

Economic Forecasts for 2020 and 2060

The economic analysis was carried out at several levels of detail. The major headings in Table A.4 (Appendix A) correspond to the country and regional detail for which most of the analysis was done. When applied to the Panama Canal, the regions in Table A.8 are the ones used. As discussed in the last section, we are limited to these regions by the origin/destination regions in the published PCC bilateral trade data.

For purposes of presentation in this section, we combine the East and West Coasts of the Western Hemispheric regions, and we combine Central and South America. On the other hand we have separated Asia into Far East Asia, which is the region of Asia of greatest importance to the Canal, and Other Asia. Far East Asia includes Japan, China, Korea, Taiwan, and Hong Kong. Trade with the countries in Other Asia, which includes the countries of the Indian subcontinent, of Southeast Asia, the Philippines, and Indonesia, does not in general use the Canal.

The following are the assumptions on which we have based our economic, commodity and transit forecasts. The results are first shown in charts and then discussed in the remainder of the section.

- Geopolitical Factors:

  We assume continued world stability, that is, no major wars or political instability in the major countries of the world. This latter assumption is problematic only for Russia. Here also we assume that the transition to a democratic political framework and a market economy, while arduous, is eventually successful.

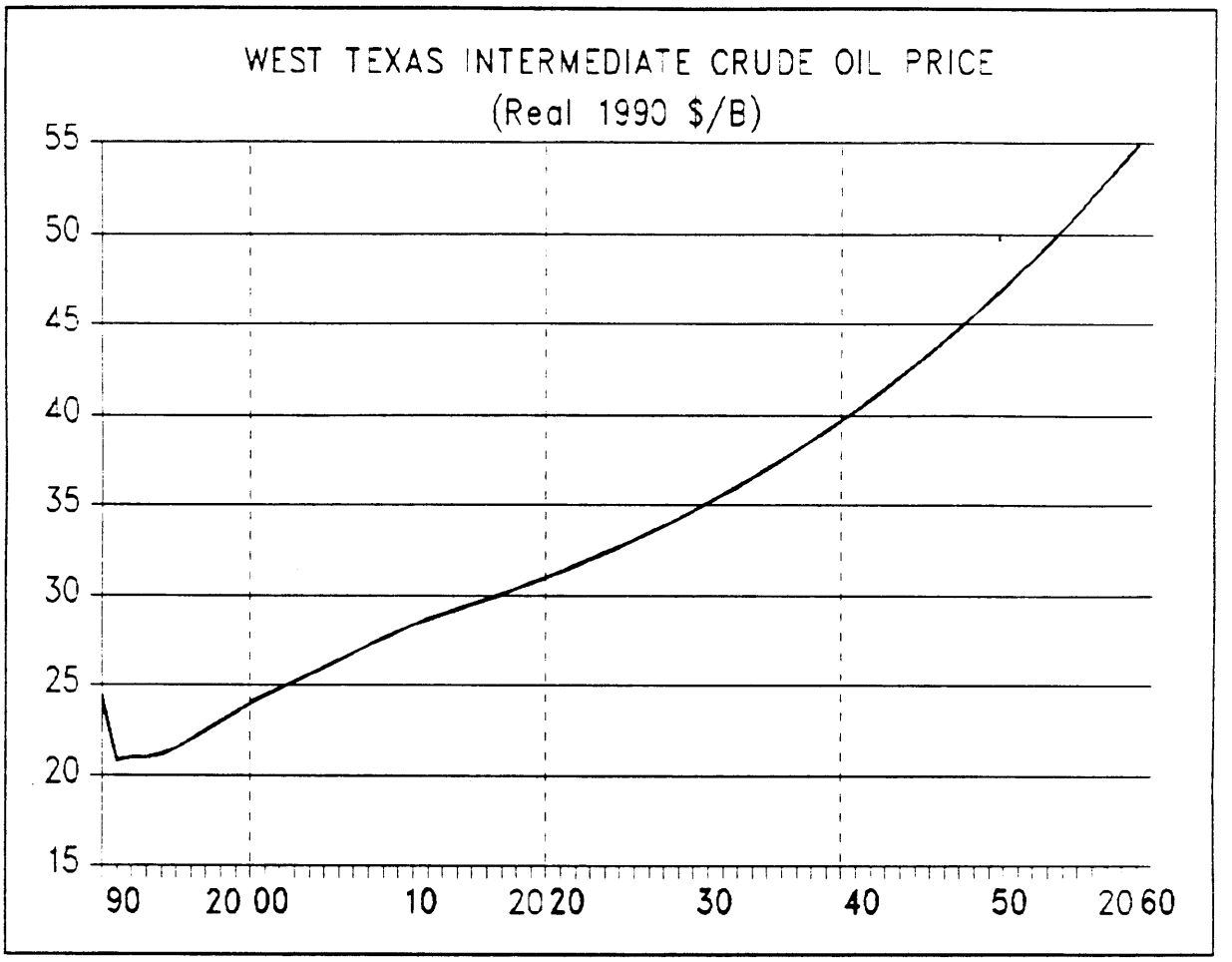
- Environmental Policy

  WEFA assumes that the current environmental policy of each nation, such as the United States or Korea, or group of nations, such as the European Community or the Commonwealth of Independent States, is maintained and made neither more stringent nor eased. This implies, for example, that a carbon tax to reduce greenhouse emissions is not enacted. We assume a continuation of the trend toward meeting new electricity demand with a combination of demand side management and of new capacity, where required, being fired primarily by natural gas and coal. Our assumption for oil prices is shown in Figure 1.4.

- Population and Labor Force by Region

  In Figures 1.5, 1.6, and 1.7, we show history and projections for world population. The population figures through 2025 are from the United Nations. WEFA has extended the U.N. fertility and mortality assumptions to 2060 in a manner consistent with our projections of GDP per capita in each region, which are discussed below. In extending these forecasts to the year 2060, we do not assume presence of cyclical behavior. This does not mean that business cycles will not occur. Rather, we do not know when they will occur this far into the future. Taking only two points into the future (2020 and 2060) requires that the scenario not involve any cyclicality.

Figure 1.4



Source: The WEFA Group

The charts are logarithmic, and on such charts the slope of the curve is the growth rate. In Figure 1.5, we see that the population growth rate of the developing world, while slowing, remains above that of the developed world for the period which we are considering. As the per capita GDP of the developing regions is expected to remain far below that of developed regions, we have not reduced their population growth rates to those of the developed nations.

Within each of these two broad categories, the results follow a similar pattern. As shown in Figure 1.6, one exception is Oceania, which while having per capita GDP above that of Europe, has a slightly more rapidly rising population. The difference here is the amount of space in Australia and New Zealand relative to the population, which allows for both a higher natural increase in population and more immigration than in Europe. The United Nations forecasts of demographic trends in Europe are subject to somewhat greater margin of error than previous projections due to the potential impact of developments in CIS and in the former centrally planned economies of Eastern Europe.

In the developing world, whose population we break out in Figure 1.7, the exception is the Middle East, where oil revenues are expected to increase per capita GDP sharply, but not population growth. In the developing world, we see reduced population associated more with modernization, which is expected to proceed slowly in this conservative part of the world.

Among all regions considered in this study, Africa is the one whose population is expected to grow at the fastest rate until the year 2060 (see Figure 1.7)[1]. Within the OECD area, Europe will experience the slowest rate of expansion (see figure 1.6), with six countries namely Austria, Belgium, Denmark, Germany, Italy, Sweden and Switzerland expected to register an absolute decline in population over the forecast period.

- Technological Innovation and Transfer

We assume that the long-term trend toward greater efficiency in production and consumption of services will continue. The major assumption in this area is the diffusion of technology now on the drawing boards to even the most undeveloped countries, allowing for a convergence of per capita GDP without

[1] This is based on the U.N. forecasts. With War, famine and epidemics (including AIDS) cutting into population growth, the odds of this growth occurring are not high. However, Africa trade is a small part of canal trade, so a lower population forecast here would have little impact for the Canal traffic forecasts.

an accelerated strain on the earth's resources. The former centrally planned economies of Europe and Other Asia, as well as India and the Asean countries, are expected to benefit the most from technology transfer, Africa the least because of the extreme difficulties with infrastructure, education and health.

- Productivity by Region

Figures 1.8 to 1.13 indicate WEFA's assumptions concerning GDP and per capita GDP. The most industrialized regions rise at slightly lower rates than historically. The exception is Far East Asia, where we expect China to slow the growth somewhat in the next century. "Europe", Figure 1.9 and 1.12, includes Eastern Europe and the Commonwealth of Independent States (CIS). This latter region pulls down the 1990 figure for per capita GDP but should contribute to a more rapid rise in the next century.

In the developing world, GDP per capita is expected to rise more rapidly in the Middle East and Other Asia than in Latin America or Africa. In the case of the Middle East this is associated with the rising real price of crude oil that is shown in Figure 1.4. Other Asia is expected to continue to benefit from the economic engines of Western and Japanese investment relative to Africa. These variations in productivity performance reflect differences in the investment propensity of the individual economies, as improvements in labor productivity generally tend to be associated with higher investment.

- Transportation Costs

In Figure 1.14, we present the components of transportation costs, namely, real wage rates and fuel costs. These indices are in real terms, that is, corrected for inflation. We assume that all other components of transportation costs do not change in real terms. That is, we assume transportation costs other than fuel and labor rise with the general level of inflation. Note that labor compensation is related to labor cost by labor productivity. That is, real labor compensation will rise faster than real labor cost by just the increase in labor productivity. Thus, if labor productivity were rising at one percent per year, the growth in labor compensation would be one percent higher than the rise in labor cost.

- Structural Change

Possibly the most important factor in the relation of merchandise trade to World GDP is the structural change which world economies are undergoing.

namely, the shift away from goods, in relative terms, and toward services. The gradual depletion of non-renewable resources means that new deposits are of lower quality, harder to reach, and more expensive to extract and refine. This results in gradually rising real costs for these resources.

Historically, this process has not resulted in continually rising natural resource prices because of unevenness in the process of discovery, in world demand that results from changing world business conditions, and in the prevalence and power of cartels. In the future, we know that these factors will continue to be important, but, for purposes of our projections, we assume that they behave evenly over time.

These rising real price curves for natural resources lead to a gradual process of substitution of the consumption of services for the consumption of goods. This process is also affected by rising incomes, for example in the consumption of meals away from home rather than preparing them in the home.

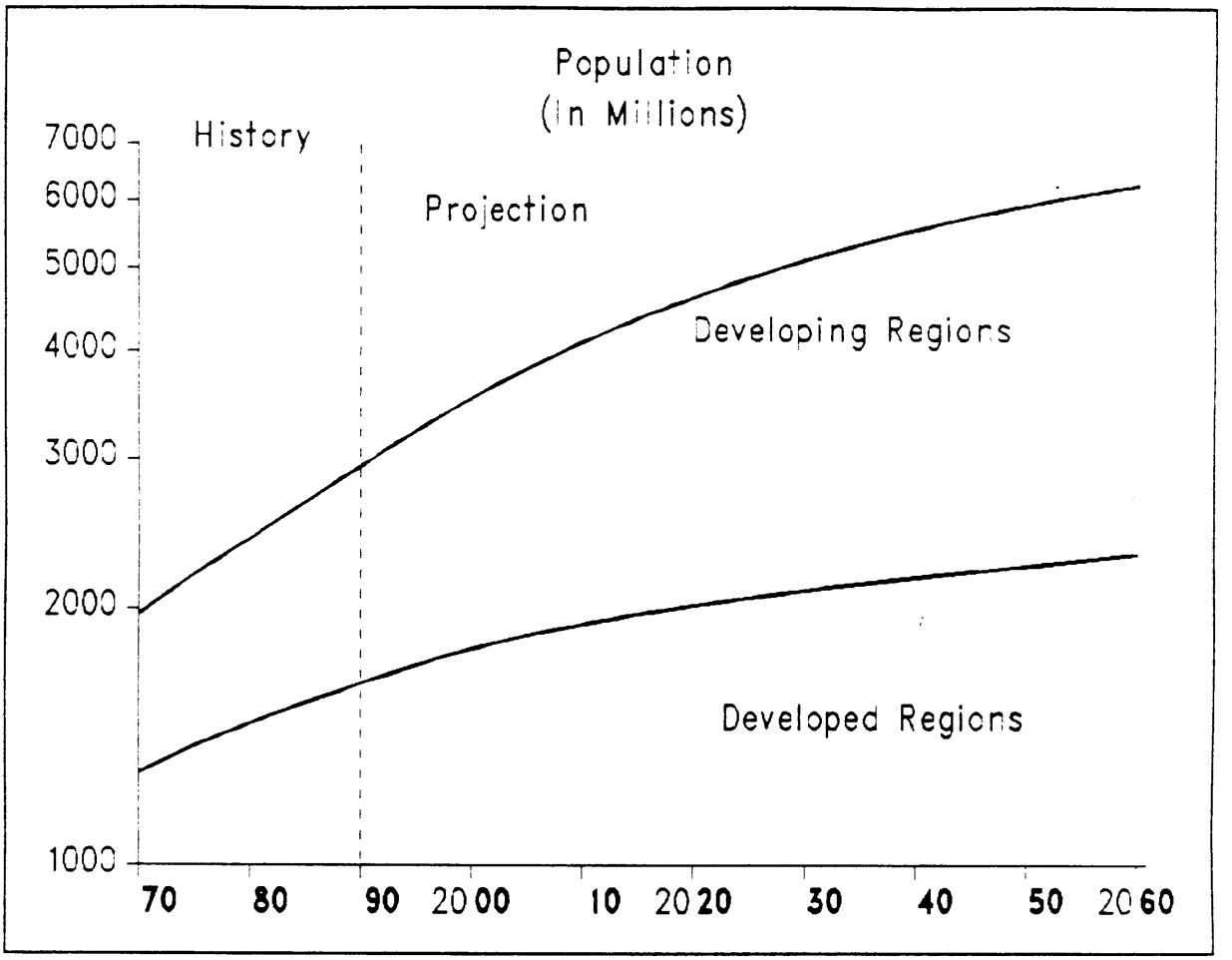
These structural change considerations lead, as Figures 1.15, 1.16, 1.17 show, to a continuation of the long-term trend in the shift from goods toward services which produces a downward curvature in the ratio of total world trade to world GDP.

- Terms of Trade:

By terms of Trade we mean the trade barriers or lack of them between countries or regions. These can be unilateral, such as the barriers to agricultural products; bilateral, such as the U.S. - Canada free trade agreement; and multilateral, such as the EC common market and the General Agreement on Trade and Tariffs (GATT).

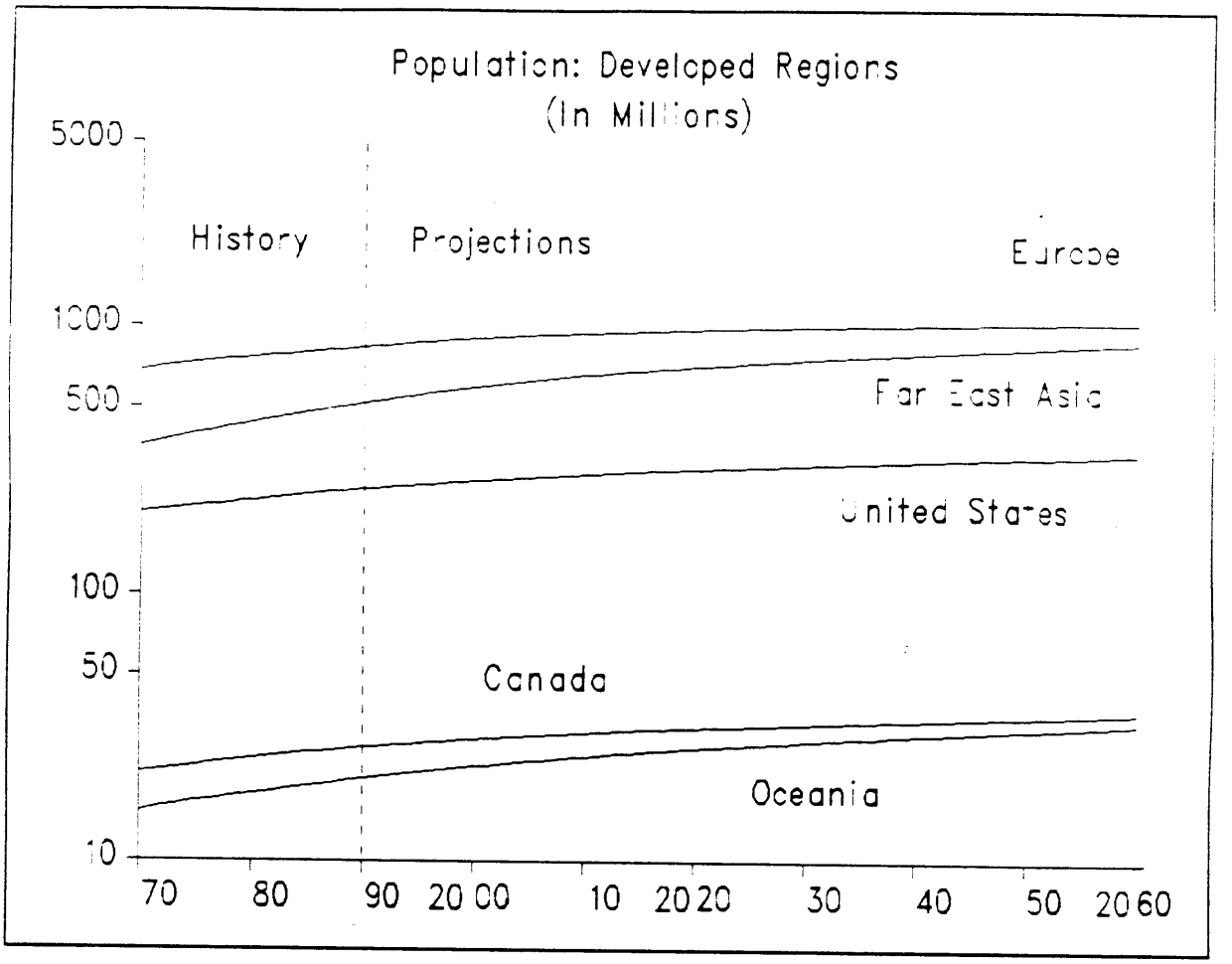
We assume that the emerging world trading blocks continue the post World War II trend toward freer trade, specifically toward a continued lowering of tariff and non-tariff barriers. This trend in trade policy towards reinforcement of market forces and reduction in government intervention is most apparent in the former communist countries of Eastern Europe. The Single Market project in the EC, aimed at reviving competition, is also expected to eliminate the remaining restrictive practices within the Community. The South East Asian Pacific region will also move to more open practices, particularly liberalization of trade and capital transactions.

Figure 1.5



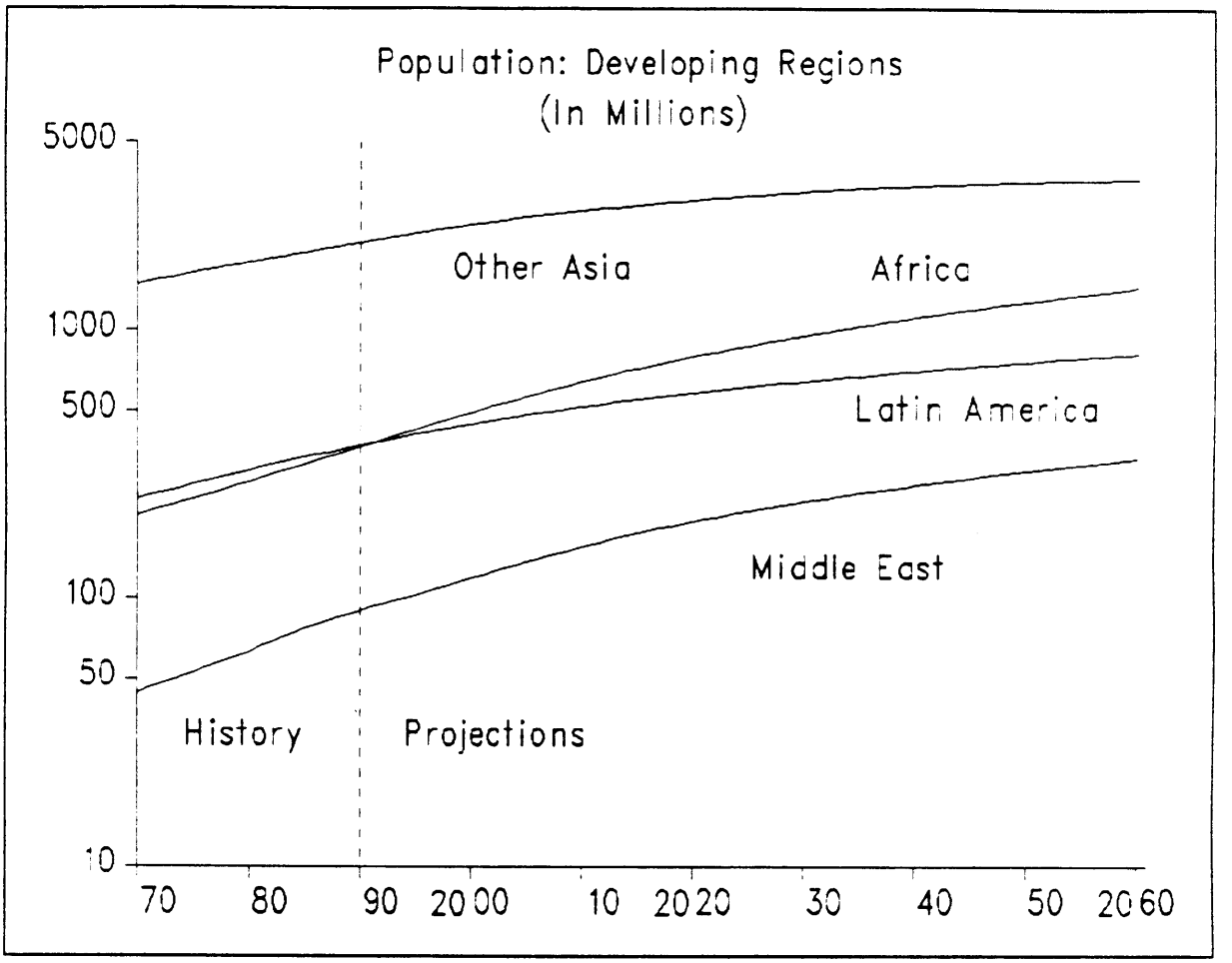
Source: The WEFA Group

Figure 1.6



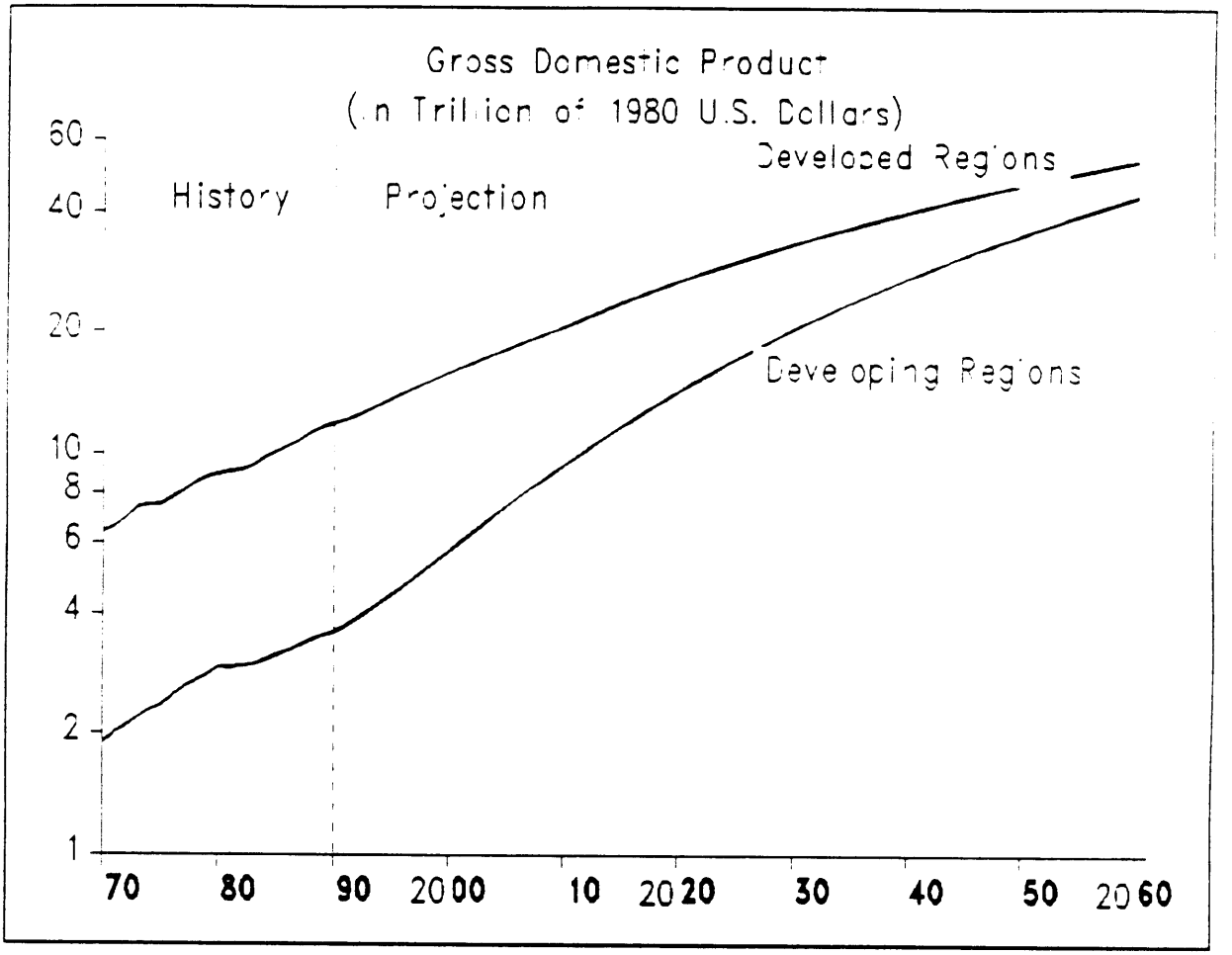
Source: The WEFA Group

Figure 1.7



Source: The WEFA Group

Figure 1.8



Source: The WEFA Group

Figure 1.9

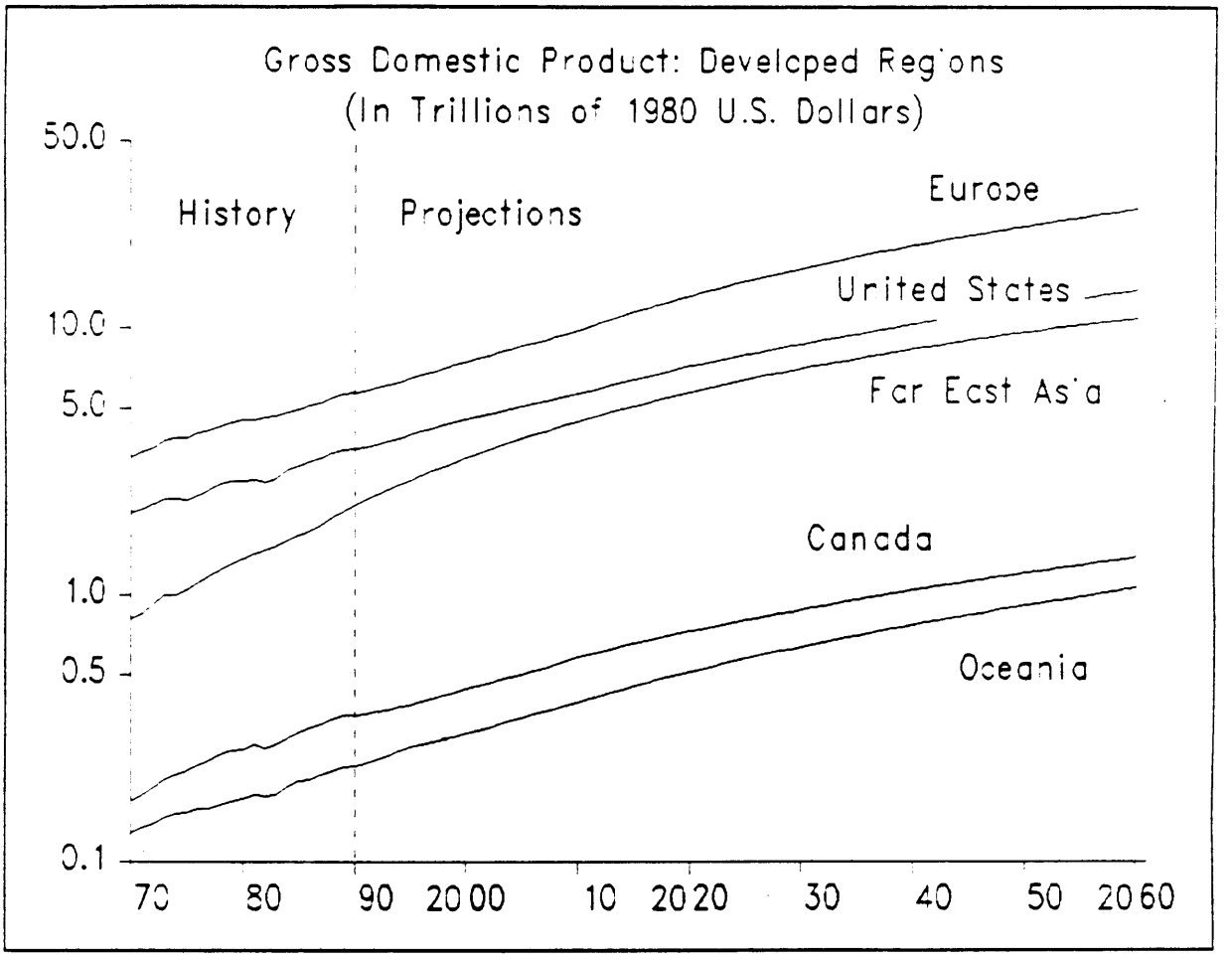


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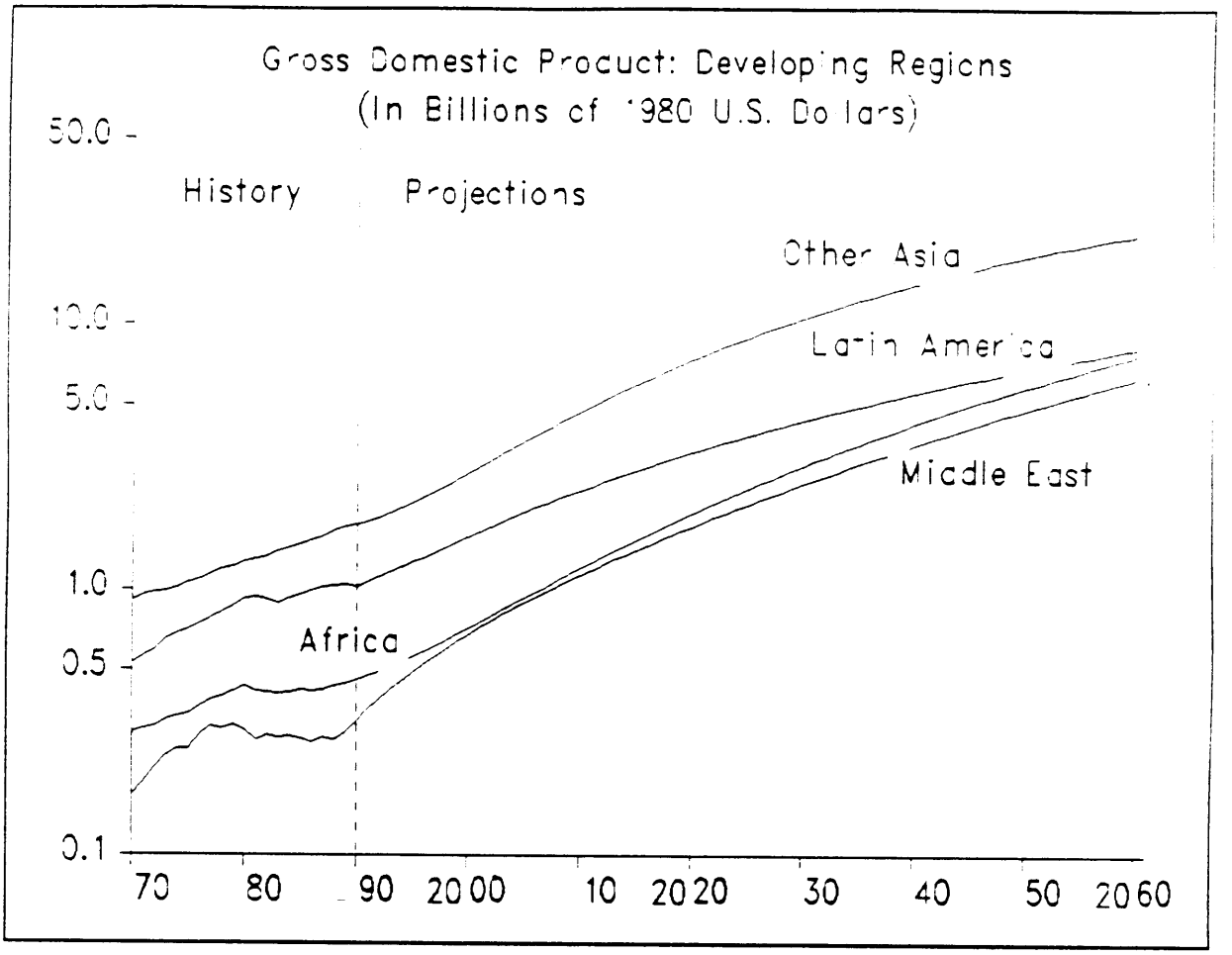
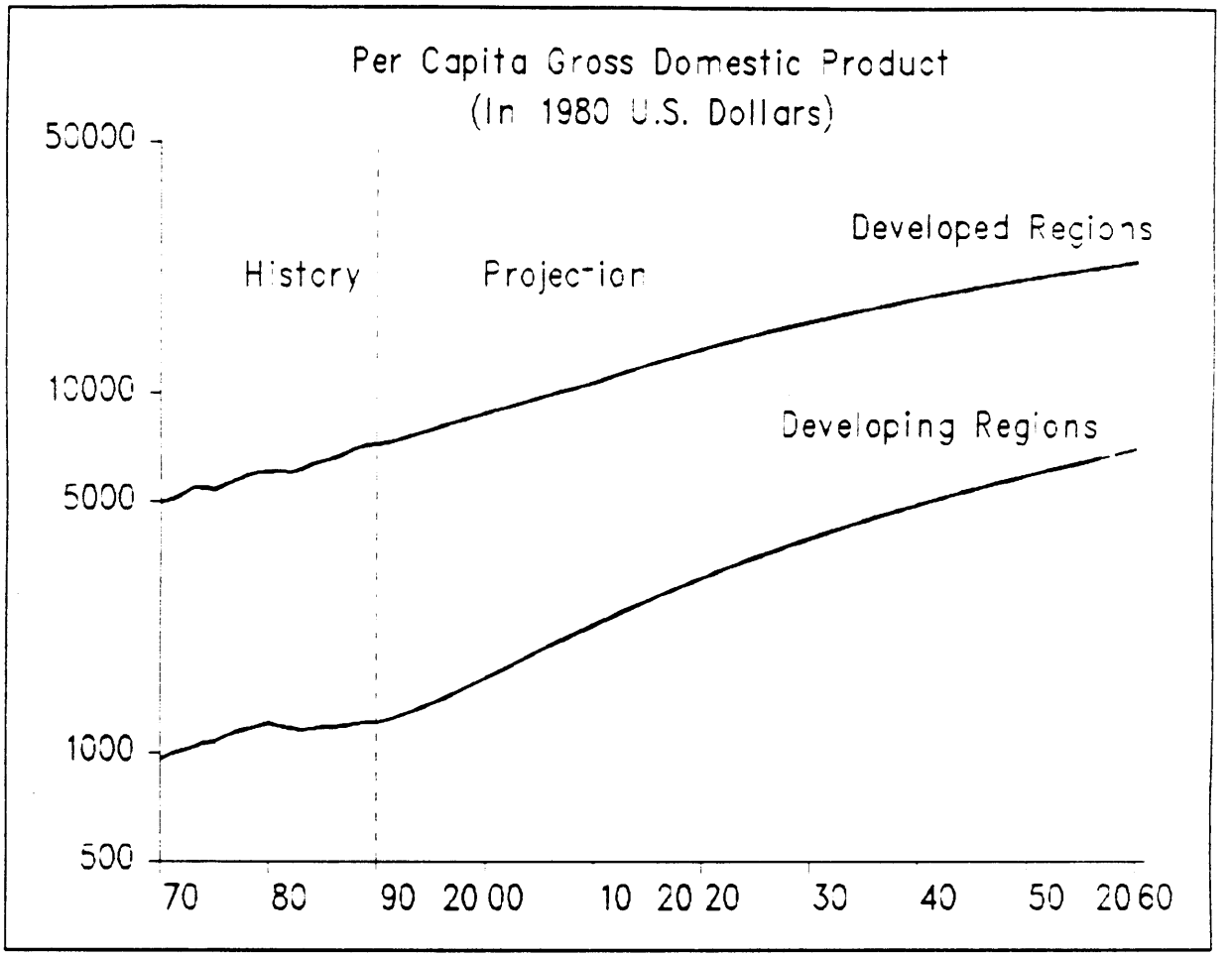
Figure 1.10



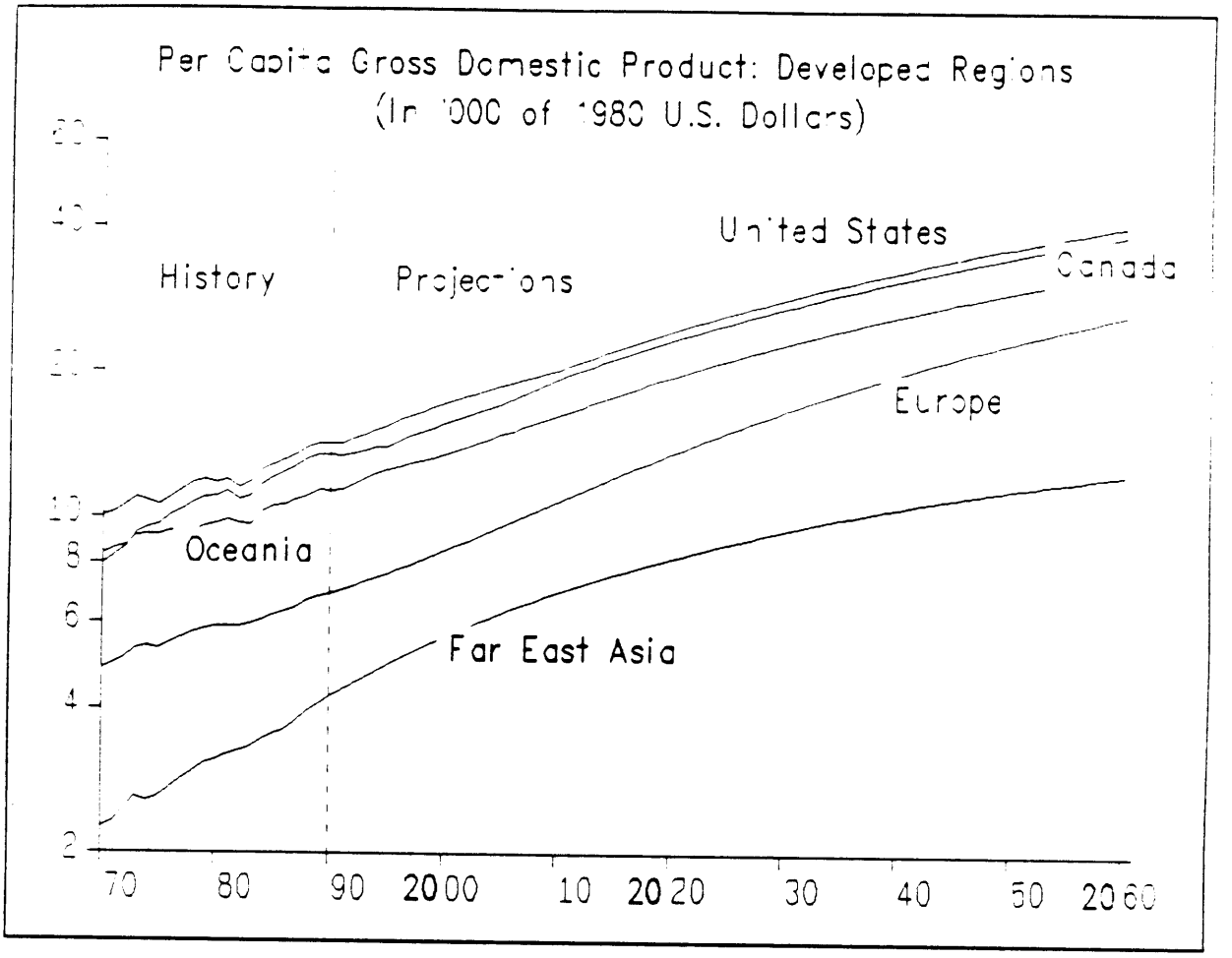
Source: The WEFA Group

Figure 1.11



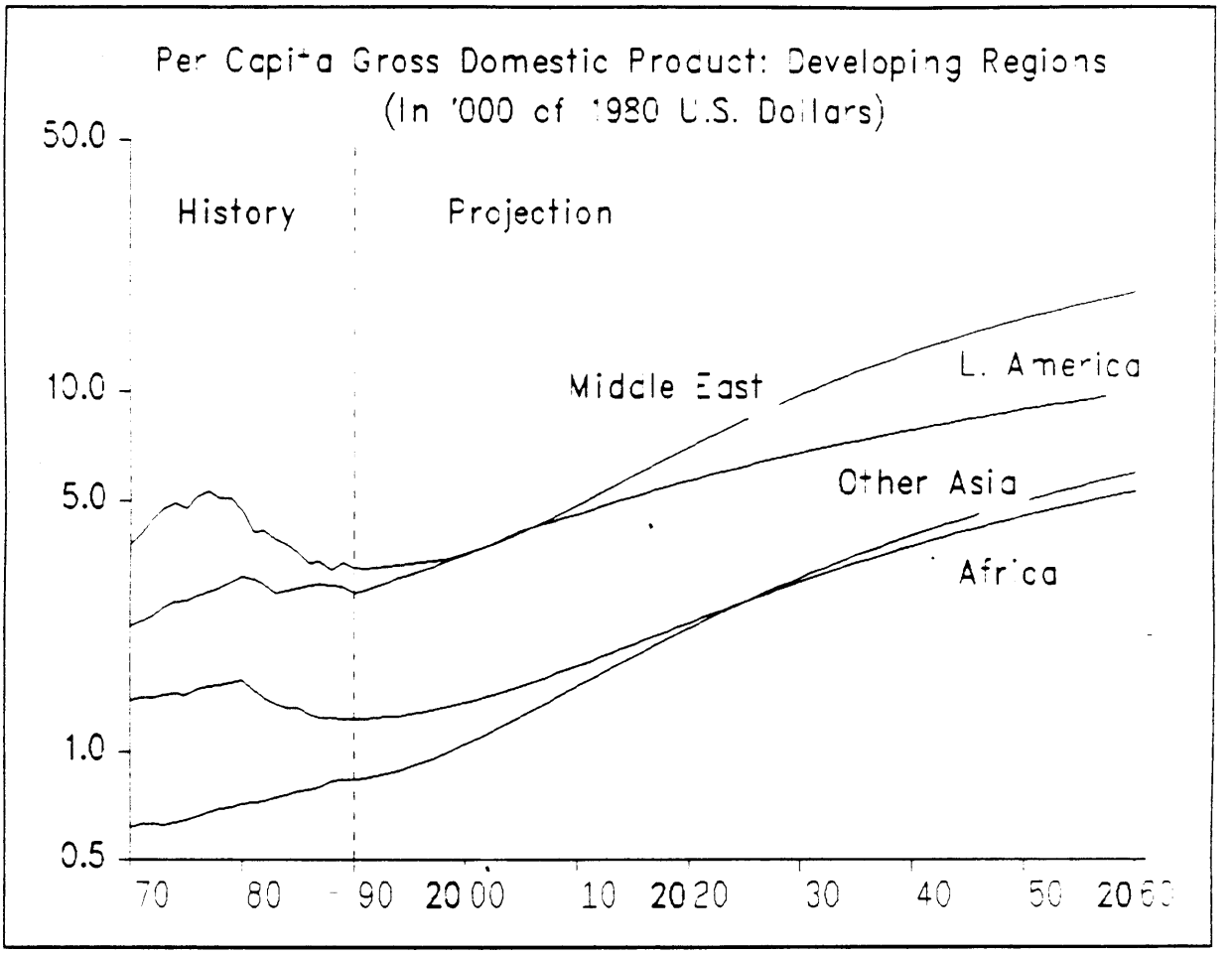
Source: The WEFA Group

Figure 1.12



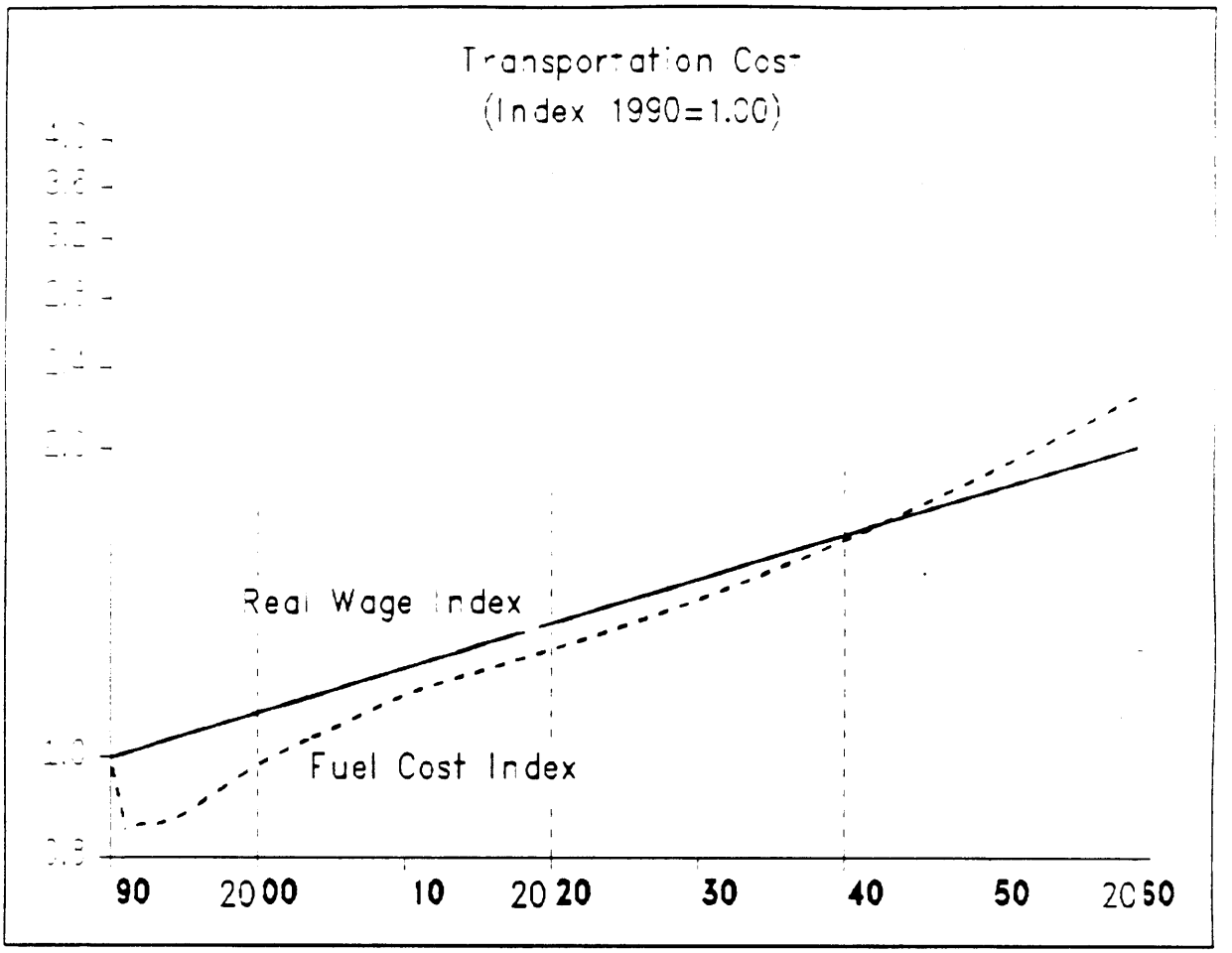
Source: The WEFA Group

Figure 1.13



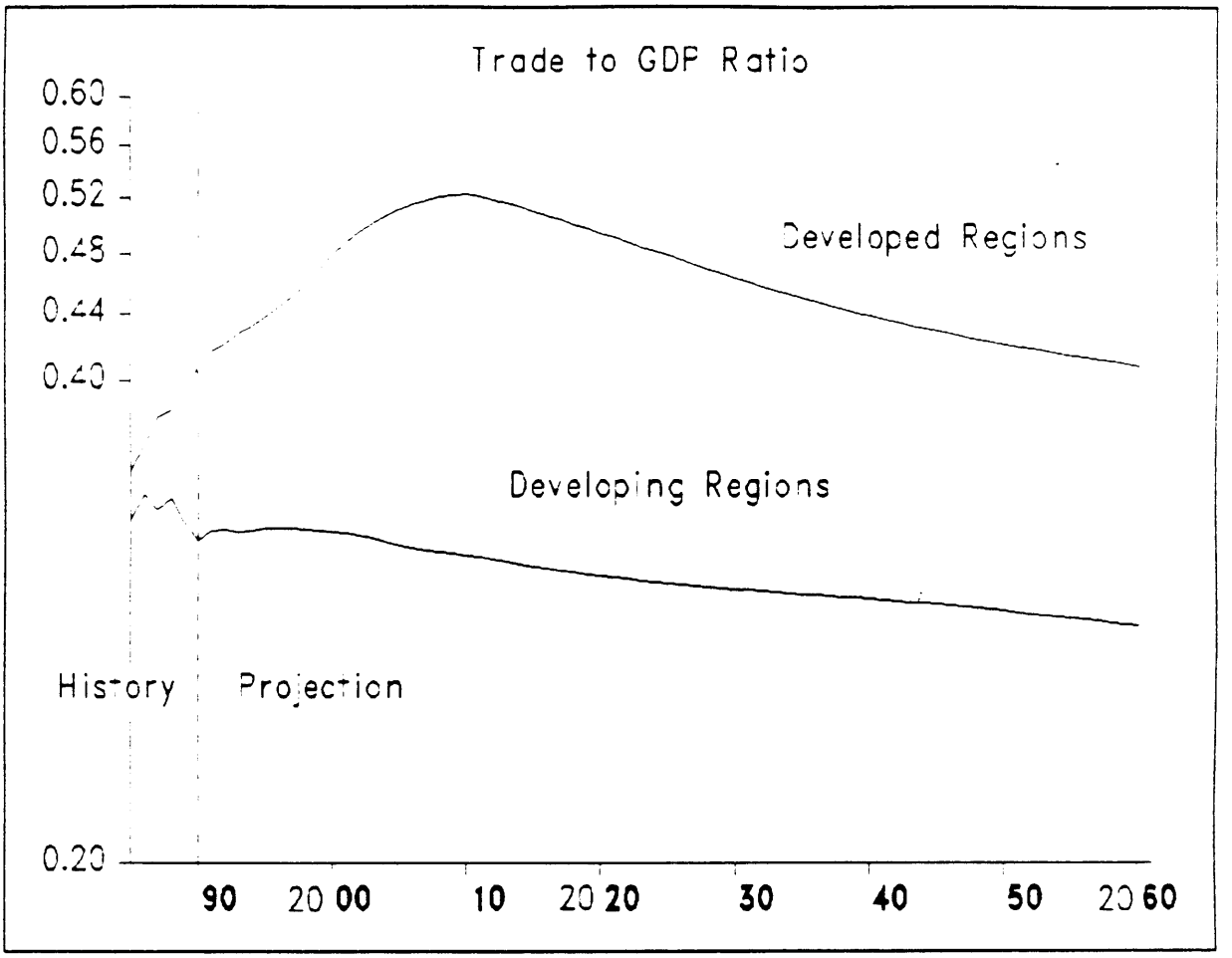
Source: The WEFA Group

Figure 1.14



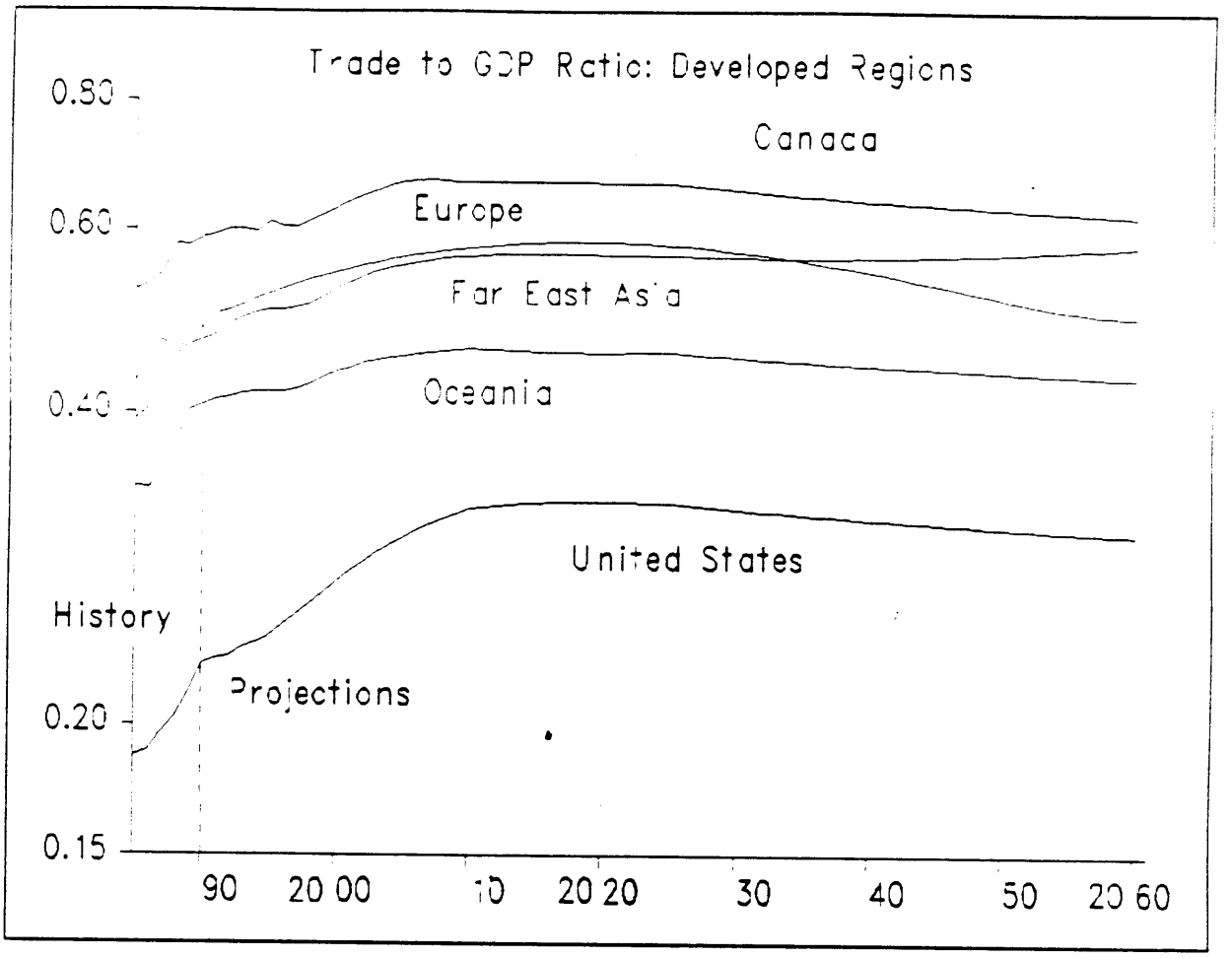
Source: The WEFA Group

Figure 1.15



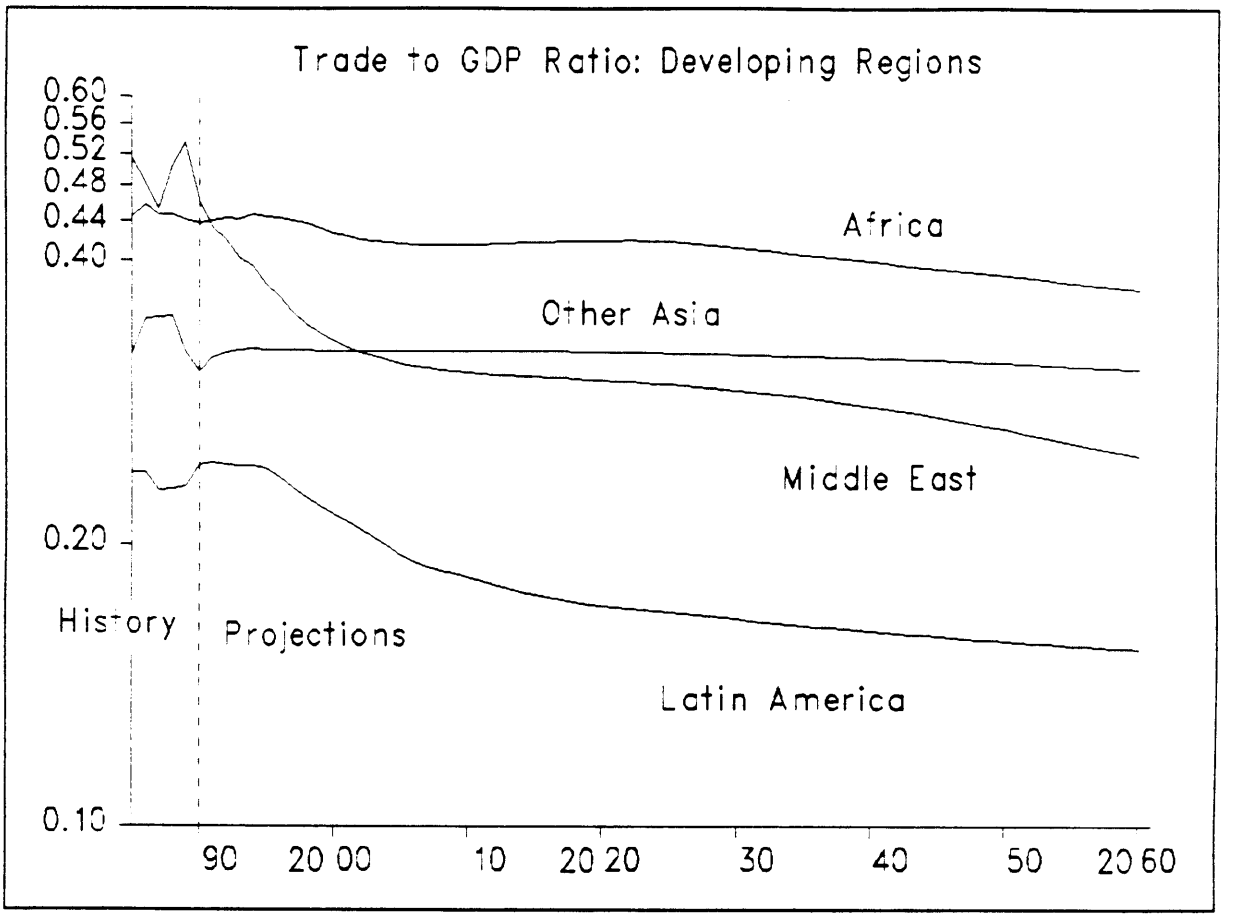
Source: The WEFA Group

Figure 1.16



Source: The WEFA Group

Figure 1.17



Note: All variables are measured as constant 1987/constant 1987 U.S. Dollars

Source: The WEFA Group

Population growth is expected to level off in the industrialized countries, but to continue to increase at a decreasing rate elsewhere (see Table 1.5). Positive population growth is expected to continue in the United States, Canada and Australia because of relatively lenient immigration policies.

Of the developing countries the former CPE countries and China are expected to grow most slowly and the Middle East and Africa most rapidly. This latter clearly assumes that the AIDS problem does not become as overwhelming as some are saying it might in those parts of Africa now with an AIDS epidemic.

Because of the time period we are considering here, between 30 and 70 years in the future, a disaggregate macroeconomic model is not appropriate. All of the relationships become trends and the amount of data often obscures the relevant issues. The approach which we used was to examine the relationship between Gross Domestic Product (GDP) and total population in each country and region historically. Then we determined, based on the following considerations, what we believe are sensible trajectories for per capita GDP in each country under a given set of assumptions[1]. The results are shown in tables 4.1 and 6.2.

A fundamental assumption underlying the work is that the ranking of countries/regions in terms of per capita GDP remains fixed over the period, but that there is some convergence toward the standard of living of the most developed countries. Because the country for which there is the greatest degree of understanding in terms of the dynamics of growth is the United States, the analysis begins there. At present, per capita U.S. GDP is growing at slightly less than 2%. This is composed of two parts: productivity is growing at about 1% and labor force relative to population is growing at less than 1%. Eventually, we expect labor force and population to grow in tandem, with the result that the growth of per capita GDP drops to the 1% we continue to assume for productivity growth. The average per capita GDP growth over the 70 year period is slightly less than 1.5% per year.

This is not to suggest that the total tons of goods produced, or any such physical measure, grows at this rate. The trend in industrialized societies has been toward a saturation in physical goods and a relative shift to services. We expect this to continue, such that eventually most of the increase in output is in ever more efficiently provided services. These services will continue to require electric power and other energy forms, and other physical goods associated with them. Thus, trade in physical goods among the developed countries can be expected to grow but at a decreasing rate. Finally, services are assumed to take greater and greater advantage of efficiencies to be gained from electronic advances, as is the

[1] During our investigation of the United Nations population projections, it was apparent that these projections are not consistent, that is, the net emigration implied by births, deaths and population change do not balance for the world as a whole. The implication is that developing countries are assuming greater emigration than are the industrialized nations.

case in the U.S. at present, and which we are seeing in Europe, Japan and elsewhere: automatic teller machines, home shopping, etc.

In general, we assume continued movement toward free markets in goods and most services. This underlies both the assumption of per capita GDP convergence and continued improvement in productivity. It also has the implication of freer trade, since trade barriers are merely another form of government interference in the free functioning of markets.

With freer trade, we expect that the rapid growth of an export driven economy such as the Newly Industrialized Countries (NICs) of Asia, for example, will slow and that the per capita GDP ratio for these countries does not exceed that for the United States. The economies of the NICs cannot depend on export driven growth forever - Europe and the U.S. are already insisting on reciprocity or trade quotas.

Scandinavia, on the other hand, slows to some extent so that its higher ratio does not exceed the U.S. by as much in relative terms. Some of the current disparities among industrialized countries are due to exchange rate distortions, for example in Finland. We assume that these are reduced.

For Southern Europe, the GDP outlook reflects convergence toward per capita GDP rates in the rest of Europe, despite stagnant population growth. For Northern Europe, growth is seen as relatively slow because of:

1. stagnant or declining population growth;

2. moderate productivity gains given Northern Europe's current status as a highly industrialized region.

Relative to Northern Europe, the outlook for the United States, Canada and Australia is for somewhat higher growth. This reflects the net immigration assumptions we mentioned above.

In the Non-OECD regions, Turkey and South Africa, strong GDP growth reflects both population increases and convergence of both productivity and labor force participation toward current rates in industrialized countries.

The growth of energy consumption is expected to slow in the industrialized countries and level off after 2020. Passive solar heating of homes, greater energy efficiency and cogeneration in buildings, the aforementioned shifts away from heavy industry, and growth in non-fossil fuel sources of power are all expected to contribute. In the developing countries, on the other hand, the relation of GDP growth and growth in energy consumption is expected to remain.

Table 1.3

GDP LEVELS AND GROWTH FOR SELECTED YEARS OECD COUNTRIES/REGIONS

OECD COUNTY/REGION	GDP (BILLIONS OF 1980 U.S. DOLLARS) 1990	2020	2060	COMPOUND ANNUAL GROWTH RATES 1990-2020	2020-2060	1990-2060
AUSTRALIA	203.2	451.6	918.8	2.70	1.79	2.18
AUSTRIA	95.4	177.6	211.6	2.09	0.44	1.15
BELGIUM/LUXEMBOURG	146.8	270.0	310.2	2.05	0.35	1.07
CANADA	355.5	730.2	1402.5	2.43	1.65	1.98
DENMARK	79.4	135.4	174.1	1.79	0.63	1.13
FINLAND	71.5	129.4	184.6	1.99	0.89	1.36
FRANCE	831.6	1606.7	2282.1	2.22	0.38	1.45
GREECE	46.5	100.8	196.8	2.61	1.69	2.13
GERMANY	1004.4	1794.0	2012.8	1.95	0.29	1.00
ICELAND	4.0	7.2	11.3	1.97	1.14	1.49
IRELAND	25.7	66.3	161.5	3.21	2.25	2.66
ITALY	571.5	1047.3	1288.9	2.04	0.52	1.17
JAPAN	1618.6	3901.7	4778.2	2.98	0.51	1.56
NETHERLANDS	202.9	391.7	586.9	2.22	1.02	1.53
NORWAY	71.3	126.0	196.6	1.92	1.12	1.46
NEW ZEALAND	26.4	61.9	152.4	2.88	2.28	2.54
PORTUGAL	32.6	93.7	221.5	3.58	2.17	2.77
SOUTH AFRICA	85.5	255.3	937.2	3.71	3.30	3.48
SPAIN	282.7	627.5	952.9	2.69	1.05	1.75
SWEDEN	151.5	249.5	355.8	1.68	0.89	1.23
SWITZERLAND	124.2	222.7	270.4	1.96	0.49	1.12
TURKEY	97.9	419.5	1446.4	4.97	3.14	3.92
UNITED KINGDOM	698.1	1331.8	2284.6	2.18	1.36	1.71
UNITED STATES	3539.7	7133.2	13854.7	2.36	1.67	1.97
TOTAL OECD	**10366.9**	**21331.0**	**35192.8**	**2.43**	**1.26**	**1.76**

Source: The WEFA Group

As income rises worldwide, increased trade in foodstuffs can be expected to continue. The countries of the former Soviet Union are expected to get their economies on a reasonable footing in the period between now and 2020, and especially their agriculture. This should lead to a gradual reduction to zero in its imports of grain, but we do not expect it to become a net exporter.

In this forecast, global warming is assumed not to be an issue affecting fuel choices. Nor do we assume that nuclear power growth slows, outside of the U.S. and those European countries where opposition is currently strong. On the other hand, we are not assuming fusion power or any other exotic source of energy to play any role. The major sources of energy are expected to be coal, rising from 27% of the total in 1990 to 40% in 2060 and natural gas, which should remain at about 23%. Oil is expected to fall from 39% of total energy to 17%, nuclear to rise from 6% of the total in 1990 to 12%, and hydropower and other sources to remain at about 7%.

Table 1.4

GDP LEVELS AND GROWTH FOR SELECTED YEARS NON-OECD REGIONS

NON-OECD REGION	GDP (BILLIONS OF 1980 U.S. DOLLARS) 1990	2020	2060	COMPOUND ANNUAL GROWTH RATES 1990-2020	2020-2060	1990-2060
AFRICA *	365.7	1477.4	6753.2	4.76	3.87	4.25
GULF FOUR	291.5	1295.8	6336.4	5.10	4.05	4.50
LATIN AMERICA	1027.8	3298.6	8171.4	3.96	2.29	3.01
OTHER ASIA	454.9	1909.5	6204.1	4.90	2.99	3.80
PACIFIC BASIN	589.4	2397.0	6119.5	4.79	2.37	3.40
CENTRALLY PLANNED	2430.6	8881.5	30451.8	4.41	3.13	3.68
TOTAL NON-OECD	**5159.9**	**19259.8**	**64036.4**	**4.49**	**3.05**	**3.66**
TOTAL WORLD	**15526.8**	**40590.8**	**99229.2**	**3.26**	**2.26**	**2.69**

(*) EXCLUDES SOUTH AFRICA

Source: The WEFA Group

Table 1.5

POPULATION LEVELS AND GROWTH RATES

OECD COUNTRY/REGION	(IN THOUSANDS) 1990	2020	2060	COMPOUND ANNUAL GROWTH RATES 1990-2020	2020-2060	1990-2060
OECD	841,485	958,012	1,048,204	0.4%	0.2%	0.3%
AFRICA	331,880	736,549	1,350,644	2.7%	1.5%	2.0%
GULF FOUR	89,699	194,288	333,496	2.6%	1.4%	1.9%
LATIN AMERICA	372,406	583,387	817,142	1.5%	0.8%	1.1%
OTHER ASIA	978,192	1,624,166	2,068,029	1.7%	0.6%	1.1%
PACIFIC BASIN	393,430	578,260	764,932	1.3%	0.7%	1.0%
CENTRALLY PLANNED	1,548,386	1,952,836	2,175,130	0.8%	0.3%	0.5%
TOTAL NON-OECD	**3,713,993**	**5,669,486**	**7,509,373**	**1.4%**	**0.7%**	**1.0%**
TOTAL WORLD	**4,555,478**	**6,627,498**	**8,557,577**	**1.3%**	**0.6%**	**0.9%**

Source: The WEFA Group

To compare WEFA's economic forecast with forecasts generated by other organizations and institutions, we present in the following two tables (Table 1.6 and 1.7) forecasts of the World Bank-IMF and those of CEPII (Centre D' Etudes Prospectives et D' Information Internationale). None of these two forecasts go beyond the year 2000. In addition, it should be noted that, especially in the case of economic regions, the comparison is not direct due to the fact that a slightly different set of countries is used by each organization.

Table 1.6

Comparisons between World Bank-IMF and WEFA's Economic Forecasts

	1990-2000	
	World Bank	**WEFA**
G5[2] GDP	2.9[3]	2.8
G5 Labor Productivity	1.8	2.0
Nominal LIBOR[4]	7.5	6.5
Real LIBOR	3.7	3.2
G5 GDP Deflator	3.6	3.3
GDP per capita, Developing countries		
Sub-Saharan Africa	0.5	-0.2
East Asia	5.2	6.5
South Asia	2.6	4.0
Europe, Middle East, N Africa	1.5	1.8
Latin America	2.0	2.3

Source: The WEFA Group

[2] G5 are the U.S., Germany, Japan, France and the U.K.

[3] GNP growth rates

[4] LIBOR rates are averages for the corresponding period.

Table 1.7

Forecast comparisons between CEPII/WEFA[5]

	1991-1995		1996-2000	
	CEPII	**WEFA**	**CEPII**	**WEFA**
GDP Annual Growth Rates				
World	2.8	2.2	3.6	3.5
OECD	2.5	2.4	2.7	3.1
USA	1.9	1.9	2.2	3.0
Germany	3.3	2.7	2.8	2.9
Japan	4.2	4.0	4.3	4.0
France	2.5	2.0	2.9	2.6
Italy	2.3	2.3	3.1	2.8
UK	1.2	1.6	2.3	2.6
Latin America	3.5	3.0	4.2	4.8
Arabian Gulf	3.8[6]	3.0	4.0	4.7
Africa	3.1[7]	2.9	3.2	3.2
Pacific Basin	6.6[8]	7.4	6.6	6.9

	1991-1995		1996-2000	
	CEPII	**WEFA**	**CEPII**	**WEFA**
Unemployment Rate				
USA	7.3	8.2	6.6	7.4
Germany	8.9	8.2	8.8	7.3
Japan	2.2	2.3	2.2	2.3
France	10.0	9.1	9.5	8.2
Italy	12.1	11.1	10.5	10.0
UK	9.8	9.1	9.8	8.0

[5] Based on the World Economic Outlook-20 year extension, February 1992, The WEFA Group.

[6] Middle East

[7] Subsaharan Africa

[8] Four Asian Tigers

Table 1.7 (Cont'd)
Forecast comparison between CEPIIand WEFA

	1991-1995		1996-2000	
	CEPII	WEFA	CEPII	WEFA
Inflation Rate				
USA	3.7	3.2[9]	4.3	3.8
Germany	4.3	3.7	2.5	2.8
Japan	2.3	1.9	1.8	2.5
France	3.1	2.9	3.2	3.0
Italy	4.5	6.5	3.5	4.2
UK	4.9	4.6	3.3	3.8

Source: Centre D' Etudes Prospectives et D' Information Internationale and The WEFA Group.

U.S. Regional Growth Rates

The United States is the primary client for the Panama Canal as 70% of the trade through the Canal is U.S. exports, imports, or intercoastal trade. Because it is so important to the Canal, we extended the WEFA longterm state economic outlook to 2060, consistent with our global economic forecast presented above. These forecasts were an input to both the trade projections and the landbridge capacity analysis. These forecasts were developed in a very similar fashion to the global economic forecasts, focussing on population, labor force and productivity growth. Because populations are free to move within the United States, the relationship between population and economic growth is a simultaneous one, depending at base on the underlying relative comparative advantage of the regions.

[9] Implicit Deflator for GDP

Table 1.8. U.S Regional Real Personal Income Forecast to 2060

AVERAGE ANNUAL GROWTH RATES

	1990-2000	2000-2010	2010-2020	2020-2030	2030-2040	2040-2050	2050-2060
CALIFORNIA	3.0%	2.6%	2.2%	2.1%	2.1%	2.0%	1.9%
PAC NW	2.7%	2.9%	2.6%	2.4%	2.3%	2.3%	2.3%
MOUNTAIN	2.5%	2.5%	2.4%	2.3%	2.2%	2.1%	2.1%
LWR MIDWEST	2.0%	1.9%	1.8%	1.7%	1.6%	1.5%	1.5%
UPR MIDWEST	1.6%	1.4%	1.3%	1.3%	1.3%	1.3%	1.3%
NORTHEAST	1.8%	1.4%	1.5%	1.5%	1.5%	1.5%	1.5%
MIDATL	2.4%	2.2%	2.2%	2.2%	2.1%	2.0%	2.0%
S.EAST	2.5%	2.4%	2.4%	2.2%	2.1%	2.0%	2.0%

REGIONAL SHARES OF TOTAL REAL PERSONAL INCOME

	1990	2000	2010	2020	2030	2040	2050	2060
CALIFORNIA	13.4%	14.5%	15.5%	16.0%	16.4%	16.9%	17.3%	17.6%
PAC NW	3.1%	3.2%	3.5%	3.8%	4.0%	4.2%	4.4%	4.7%
MOUNTAIN	5.9%	6.1%	6.5%	6.8%	7.1%	7.4%	7.7%	7.9%
LWR MIDWEST	12.2%	12.0%	12.0%	11.9%	11.7%	11.5%	11.2%	11.0%
UPR MIDWEST	19.6%	18.6%	17.6%	16.6%	15.8%	15.0%	14.4%	13.7%
NORTHEAST	26.7%	25.8%	24.6%	23.6%	22.8%	22.1%	21.6%	21.1%
MIDATL	9.5%	9.8%	10.0%	10.4%	10.8%	11.1%	11.4%	11.6%
S.EAST	9.6%	10.0%	10.4%	11.0%	11.4%	11.7%	12.0%	12.3%
TOTAL U.S.	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

1.3.2 Bilateral Trade Forecasts for 2020 and 2060

Overview

Based on this economic forecast, we have constructed forecasts of bilateral trade by commodity among the OECD countries and between the OECD countries and the non-OECD countries. For trades among the non-OECD countries which are important to the canal, such as iron ore and oil, we have generated special forecasts.

In general, we expect countries to become more self-sufficient in goods as the technological and labor cost advantages of the newly industrialized countries wanes. However, one of the principal engines of growth in newly industrialized countries is the newer plant and equipment and the lower wages paid. Thus, as per capita GDP converges, it is principally this advantage that declines.

Steel production is an example of this trend. As a result of both lower unit demand for steel, as a result of the substitution of other materials, and increased self sufficiency, trade in steel products is expected to grow at less than 1% per year.

Further, we do not believe that productivity in agriculture will continue to grow in the next 70 years as rapidly as in the last 70. Thus, the growth in exports from current producers cannot grow indefinitely. The decline in the systemic problems of Eastern Europe and the Soviet Union, moreover, is expected to reduce import requirements of these nations. The same holds true for China and for Southeast Asia.

On the auto issue, WEFA believes that there will be no additional plant built in Germany or Japan, but rather in consuming countries. This is not so much for political reasons but that their labor rates for auto production are getting very high, primarily because of labor shortages. Several of these plants are being located in South America - Brazil and now Argentina. Therefore, auto exports from Germany and Japan are not expected to increase.

In the case of energy, oil trade must clearly fall off during this period because resources will be declining markedly worldwide, falling to 30% of their 1990 value by 2020. Coal and natural gas will come into their own during the first part of the next century. By 2060 coal reserves are expected to be depleted by 50% and natural gas resources by 85% from their present published estimated level[10]. Natural gas resource estimates are more uncertain than coal or oil, and, as a result, we have assumed that methane resources will be higher than published estimates. So long as extensive reserves of coal and natural gas remain to be exploited, it can be expected that it will be cheaper to transform these into sources of clean energy than to develop more costly technologies.

Therefore, coal trade is expected to become increasingly significant during the first half of the next century as oil reserves fall. The world demand for steam coal imports is projected to increase at an average rate of about 5% per annum over the next thirty years. In terms of coal supply, Australia is the world's largest exporter of both steam and metallurgical coals, which are of growing importance to its economy, earning US$4.6 billion in fiscal 1990-91. Steam coal exports are forecast to quadruple from 47 Mtce in 1990 to over 200 Mtce by

[10] **BP Statistical Review of World Energy** (June 1991), and C.D. Masters, D.H. Root, and E.D. Attanasi, "World Oil and Gas Resources - Future Production Realities", **Annual Review of Energy, Vol. 15**, 1990, pp. 23-51.

2020. Indonesia is expected to become a major exporter of steam coal in the future. Several joint ventures are in progress to develop reserves in East Kalimantan (Borneo), and by 2020 an estimated 50 Mmt of steam coal will be available for export. Coal production in Colombia increased steadily in the 1980s and should continue to grow to over 115 Mtce in 2020. Several new export projects are being developed, as well as the anticipated expansion of El Cerrejon Norte.

Natural gas trade, primarily by pipeline but also in liquified natural gas (LNG) tankers is also expected to be important. However, neither will be using the canal to any great extent as we expect most of this trade to be concentrated in the Far East while the Americas and Eurasia depend primarily on pipelines.

Major Trades

It is useful to examine specific trade routes and commodities that currently utilize the Panama Canal. (See Tables 1.6, 1.7, and 1.8. Atlantic to Pacific (Southbound) commodity flows are dominated by grains, nitrates/phosphates/potash and petroleum products. These commodities represent 56.3% of the total volume of Southbound trade. Pacific to Atlantic (Northbound) commodity flows are dominated by petroleum products, lumber and related products and ores and minerals. These commodities represent 42.2% of the Northbound trade volume. Trade originating in or destined for North America (i.e., Canada and the U.S.) represents nearly two thirds of total Panama Canal traffic.

Table 1.9

Southbound (Atlantic to Pacific) Commodity Flows (1,000 long tons)

Commodity Group	1985	1986	1987	1988	1989	Percent 1989
Grains	20,843	20,427	29,936	32,761	28,127	31.9%
Miscellaneous	10,908	11,045	12,470	13,358	14,136	16.0%
Nitrates, Phosphates & Potash	9,530	7,572	9,888	10,289	11,702	13.3%
Petroleum Products	10,837	11,931	13,093	11,851	9,838	11.1%
Chemicals & Petroleum Products	3,855	3,722	4,862	5,522	6,000	6.8%
Coal and Coke	8,553	7,534	5,902	5,390	5,301	6.0%
Manufactures of Iron & Steel	2,725	2,538	3,346	2,736	4,325	4.9%
Ores & Metals	3,695	4,368	3,569	3,462	3,130	3.5%
Lumber & Products	582	763	928	1,671	2,465	2.8%
Other Agricultural Commodities	1,384	1,396	1,514	2,422	1,836	2.1%
Canned & Refrigerated Foods	459	589	697	846	768	0.9%
Machinery & Equipment	556	555	540	531	506	0.6%
Minerals, miscellaneous	225	235	261	144	142	0.2%
Total	74,152	72,675	87,006	90,983	88,276	

Source: Panama Canal Commission - Annual Reports

Table 1.10

Northbound (Pacific to Atlantic) Commodity Flows (1,000 long tons)

Commodity Group	1985	1986	1987	1988	1989	Percent 1989
Petroleum Products 15,936	18,918	12,840	12,740	12,840	20.8%	
Miscellaneous	9,889	1,593	10,381	1,367	10,381	16.8%
Lumber & Products	5,644	6,156	7,782	7,863	7,782	2.6%
Ores & Metals	6,037	5,423	5,412	6,872	,412	8.8%
Minerals, miscellaneous	4,194	4,589	4,85	4,977	4,851	7.9%
Manufactures of Iron & Steel	5,092	4,162	3,626	4,107	3,626	5.9%
Canned & Refrigerated foods	3,202	240	3,513	,021	3,53	5.7%
Other Agricultural Commodities	3,593	3,346	3,346	2,998	3,346	5.4%
Grains	2,668	2,521	2,432	3,109	2,432	3.9%
Machinery & Equipment	1,823	2,352	2,387	2,125	2,387	3.9%
Nitrates, Phosphates & Potash	2,331	2,376	2,114	1848	2,114	3.4%
Coal and Coke	2,929	2,672	2,020	3,186	2,020	3.3%
Chemicals & Petroleum Products	1,154	922	980	1,292	980	1.6%
Total	64,492	67,270	61,684	65,505	61,684	

Source: Panama Canal Commission, Annual Reports

Table 1.11

Major Voyage Trades Routes in Canal Traffic - 1987 to 1989
(Million long tons)

Trade Route	1987	Percent 1987	1988	Percent 1988	1989	Percent 1989
EC US - Asia	58.1	39.1%	63.4	40.%	59.7	39.4%
Others	30.4	20.4%	29.1	18.6%	25.1	16.6%
Europe - WC US/Canada	14.9	10.0%	15.0	9.6%	14.2	9.4%
EC US - WC South America	12.0	8.1%	12.3	7.9%	14.1	9.3%
Round the World	3.7	2.5%	5.5	3.5%	7.5	5.0%
US Intercoastal (Includes Alaska, Hawaii)	2.9	2.0%	2.3	1.5%	7.0	4.6%
Europe - WC South America	7.4	5.0%	7.3	4.7%	6.0	4.0%
EC US/Canada Oceania	4.8	3.2%	5.5	3.5%	3.7	2.4%
West Indies - Asia	1.8	1.2%	3.1	2.0%	3.5	2.3%
Central America Intercoastal	3.3	2.2%	2.8	1.8%	3.4	2.2%
West Indies - WC South America	2.7	1.8%	4.1	2.6%	2.8	1.8%
Europe - Asia	3.7	2.5%	2.9	1.9%	2.6	1.7%
EC US - WC Central America	3.0	2.0%	3.2	2.0%	1.9	1.3%
Total	148.7		156.5		151.5	

Source: Panama Canal Commission, Annual Reports

Growth in Panama Canal trade should certainly focus on these commodities and trade routes.

The very aggregate (3 sector) forecasts of bilateral trade among 30 countries/regions in the WEFA World Model are divided into 60 countries/regions, 150 commodities for the 20-year short run by a **top-down/bottom-up procedure** as follows:

- The aggregate World Model System trade forecasts are combined with commodity-level detailed trend and share analyses, which are conducted for every commodity on every trade to produce an initial projection (**top-down**);
- These are then combined with micro-level reviews and revisions provided by WEFA's country, industry, and commodity experts.

Thus, as distinct from other approaches to cargo forecasting, WEFA'sapproach is top-down bottom-up. The **top-down** portion from the world modelling system provides internal consistency. At the same time, we develop a **bottom-up** view based on the scrutiny of WEFA experts in our energy, industry, and agriculture departments.

This "top-down/bottom-up" approach to forecasting provides a deeper understanding of bilateral trades and translates the complex interdependencies of world economic activity into projections of specific county-to-country trades. **Reasonable forecasts of specific trades are presented within the context of total world trade in which the sum of all exports add up to the sum of all imports.**

For the 2020 and 2060 bilateral trade forecasts, we simplified the short-term trade part of the world model in much the same way as we did the economic section. The first step was to extend the ratio of imports to GDP for each country/region and commodity type. As noted in the introduction, for the very long term, there is less margin for error if these extensions are carried out judgementally rather than depending on an econometric equation estimated on at most 20 years of recent history. As with the short term model, these imports are distributed over all the other countries as their exports to form a [30 x 30] trade matrix. The total of these exports are also compared to GDP and adjusted judgementally, if warranted. Each matrix is then adjusted so that imports and exports are consistent.

The resulting aggregate trade matrices were then subjected to the same process as with the short term forecast, distributing them to the detailed commodity/country bilateral trade numbers by making use of the trends in the shares the detailed sectors were of the aggregate sectors. They provide a first cut and are subject to the kinds of uncertainty which we described in the introduction. However, the major commodities are then, as before, analyzed from a bottom-up perspective, as discussed in the next section.

1.3.3 The Major Bulk Commodities

Bulk Grains and Fertilizer

Specific commodity trades were examined making use of specialized WEFA/RLA models. Input into the **grain and fertilizer trade** projections were provided by the WEFA International Agricultural Service. This service provides projections of grain and fertilizer supply and demand for every country and region of the world.

The factors considered in the WEFA International Agriculture Service include:

- The production shifts that have occurred in recent years and have affected world trade balances
- The commodity by commodity outlook for individual countries and regions of the world; and
- The future trade flows on a commodity and country basis

Grains

The commodities covered include: coarse grains, wheat, oilseeds, soybeans, and cotton. Seventeen individual countries (or country groups) are analyzed including all the major producing and consuming groups.

Because of the importance of U.S. bulk grains for the Canal and because substantial grain shipments to Asia have shifted from the Panama Canal route to the Pacific Northwest, a state by state longterm projection was carried out. We estimated the expected longterm trends in acres harvested and bushels produced per acre. As can be seen from Table 1.12, total acres harvested have fallen due to falling world demand. However, increased population growth and growth in incomes per capita can only lead to a longterm increase in world demand for grain and, in turn, demand for U.S. grain.

In the first part of Table 1.12, only U.S. aggregates are shown for the sake of brevity. In the second part, the state by state results are presented. The share of each state's production that will be available for export was determined as well. These results are reported in Volume 2 of this report under bulk grain projections.

Table 1.12 U.S. Bulk Grain Production Forecast to 2060

ACRES HARVESTED, MILLIONS

	Wheat	Corn	Soybeans	Sorghum
1975	67.1	63.3	44.3	13.4
1980	67.9	68.6	54.6	10.6
1985	61.3	70.6	50.7	12.1
1990	65.1	63.7	47.1	7.6
1995	60.8	64.5	48.5	8.8
2000	64.8	66.9	50.5	9.2
2010	67.2	67.4	51.4	9.4
2020	68.8	67.9	52.3	9.5
2060	75.0	69.7	55.8	10.1

PRODUCTIVITY, BUSHELS PER ACRE

	Wheat	Corn	Soybeans	Sorghum
1975	30.7	87.2	29.5	49.3
1980	33.5	92.3	27.5	47.5
1985	37.6	118.7	34.8	68.1
1990	39.7	119.2	34.9	63.8
1995	42.6	136.7	38.7	72.4
2000	46.0	148.0	41.0	76.0
2010	49.0	162.0	44.0	83.0
2020	50.8	171.0	44.0	86.0
2060	53.0	176.0	44.0	86.0

PRODUCTION, BILLION BUSHELS

	Wheat	Corn	Soybeans	Sorghum
1975	2.06	5.52	1.31	0.66
1980	2.27	6.33	1.50	0.51
1985	2.31	8.38	1.76	0.82
1990	2.58	7.59	1.64	0.48
1995	2.59	8.81	1.88	0.64
2000	2.98	9.90	2.07	0.70
2010	3.29	10.92	2.26	0.78
2020	3.49	11.61	2.30	0.82
2060	3.98	12.28	2.46	0.87

Forecast Grain Production by Grain and State in Million Bushels per Year.

	1990	2020	2060
WHEAT			
Arizona	9.27	25.11	52.34
California	48.16	114.96	185.96
Colorado	87.02	157.88	202.96
Georgia	20.65	32.40	52.02
Idaho	99.60	132.91	143.64
Illinois	88.80	119.38	125.03
Indiana	50.44	70.25	91.07
Kansas	472.00	589.43	607.85
Maryland	9.88	12.16	11.11
Michigan	41.25	50.29	57.15
Minnesota	138.67	179.58	210.54
Missouri	76.00	112.64	156.68
Montana	145.70	212.54	223.35
North Carolina	22.55	26.90	30.43
North Dakota	385.12	429.35	395.98
Nebraska	85.50	116.96	141.56
New York	7.11	9.12	11.79
Ohio	79.65	98.87	113.61
Oklahoma	201.60	241.34	265.11
Oregon	57.60	105.45	132.92
Pennsylvania	10.50	12.44	14.47
South Carolina	14.44	20.72	26.65
South Dakota	128.07	141.93	124.91
Tennessee	17.64	31.94	52.32
Texas	130.20	219.38	287.88
Utah	7.16	10.48	13.64
Washington	150.04	215.59	249.01

CORN

Colorado	128.65	190.23	201.89
Georgia	37.40	131.07	275.08
Iowa	1,562.40	2,267.05	2,242.62
Illinois	1,320.80	1,956.78	1,871.88
Indiana	703.05	1,008.02	983.90
Kansas	188.50	323.64	399.29
Kentucky	120.00	191.93	214.34
Michigan	238.05	334.68	369.51
Minnesota	762.60	1,078.53	1,158.21
Missouri	205.80	366.15	428.29
North Carolina	72.76	153.11	235.48
North Dakota	36.80	84.69	114.87
Nebraska	934.40	1,384.22	1,340.57
New York	60.76	108.94	157.42
Ohio	417.45	663.65	706.33
South Dakota	234.00	385.16	423.46
Tennessee	43.86	98.52	136.29
Texas	130.50	321.47	352.08
Virginia	36.50	56.49	82.70
Wisconsin	354.00	505.66	585.81

SOYBEANS

Alabama	7.48	25.10	59.29
Arkansas	90.45	106.64	133.02
Georgia	9.80	29.17	62.26
Iowa	327.85	417.24	398.24
Illinois	354.90	465.02	454.92
Indiana	171.38	232.97	223.17
Kansas	46.80	77.52	83.46
Michigan	43.32	54.27	55.16
Minnesota	179.40	244.47	248.85
Mississippi	39.90	71.30	99.45
North Carolina	32.40	41.26	52.58
North Dakota	12.87	31.57	36.53
Nebraska	81.42	114.29	111.74
Ohio	135.72	205.35	200.96
South Carolina	13.88	22.52	39.13
South Dakota	53.76	102.89	106.90
Tennessee	33.75	47.42	71.21
Texas	5.00	11.03	23.13

SORGHUM

Colorado	10.34	12.27	11.85
Kansas	184.80	312.74	282.73
Missouri	42.64	79.52	95.03
Nebraska	108.57	158.59	143.92
Texas	135.20	256.89	336.47

Fertilizer

WEFA world fertilizer projections examine the industry at the regional aggregate level, providing world totals and breakdowns for eight producing, consuming, and trading regions. Forecast components include capacity, production, consumption, and total regional imports and exports of nitrogen, phosphate, and potash.

The nutrients in chemical fertilizers are the elements nitrogen, potassium and phosphorous. The basic source of nitrogen is ammonia, which is produced from the catalytic reaction of natural gas with atmospheric nitrogen. For potassium the source is potassium chloride (potash); for phosphorous it is phosphate rock. Of these three sources, the United States leads in phosphate production followed by Morocco. Russia is first in ammonia production, having 44% of world reserves of natural gas, followed by China and the United States. Canada and Russia lead the world in potash production.

Competitiveness in ammonia production and thus in nitrogen fertilizer markets is closely related to the price of natural gas. At a natural gas cost of $1.80 per thousand cubic feet, gas constitutes 72% of the total cost of ammonia production. Two decades ago, U.S. natural gas prices were in the vicinity of $0.20 per thousand cubic feet, but now they have risen to over $2.00. As gas prices escalated, more efficient manufacturing methods were developed, lowering the feedstock requirements from 40 thousand cubic feet of natural gas per ton of ammonia to below 25 thousand cubic feet. Even so, this near doubling of production efficiency does not compensate for the ten-fold increase in natural gas wellhead prices.

For this reason, the United States has been losing its share of the world market for nitrogen fertilizers to low-cost producers such as Russia, Canada and Mexico who have reserves of relatively low-priced natural gas. As a result, the U.S. now imports more nitrogen fertilizer than it exports. The nearly decade long North American natural gas surplus stopped further escalation of natural gas prices until the early 1990's, but gas prices are now rising as markets tighten with the disappearance of excess natural gas deliverability. This is making the United States even less competitive on world nitrogen fertilizer markets.

Major phosphate fertilizer exports are concentrated, crushed phosphate rock, phosphoric acid manufactured from phosphate rock and sulfuric acid, and diammonium phosphate (DAP). The U.S. phosphate fertilizer industry is competitive in world markets due to its high process technology and the availability of raw materials--phosphate rock and sulfur. For several years the United States has been exporting about half its phosphate fertilizer production. DAP is the largest fertilizer chemical in world trade because it contains two of the three primary nutrients, 55% phosphorous and about 20% nitrogen. The United States leads the world in DAP exports, which account for more than 90% of total U.S. phosphate fertilizer exports, 80% as measured by phosphorous content. While the U.S. should continue to dominate world trade in phosphorous fertilizers, there is likely to be a gradual loss of its world market share to Morocco, where phosphate rock resources offer the potential for dominating world supply.

Marketable phosphate rock is produced by 19 companies, but ten companies in Florida and one, Texas Gulf Chemicals, in North Carolina produce nearly 90%. Because of the single company in North Carolina, that state and Florida's production and exports are reported together. The output of the Florida mines is expected to be exhausted early in the next century, with the result that Gulf Coast exports of phosphate are expected to disappear by 2020. The non-competitiveness of U.S. ammonia production is expected to reduce Gulf exports of other fertilizer materials by half by 2020 and to zero by 2060.

According to the U.S. Army Corp of Engineers, exports of phosphate rock from Morehead City, the primary U.S. East Coast port for phosphates, are expected to rise from the present 1.2 million tonnes to 6 million tonnes by 2010, holding at that level to the end of the forecast. Exports of other fertilizer materials from the U.S. East Coast are expected to hold at present levels as a result of the competitiveness of North Carolina phosphates on world markets. As a result we expect U.S. East Coast fertilizer exports to rise to about 9 million tonnes in 2020 and to hold there through the end of the forecast period.

Iron Ore

Iron ore and metallurgical coal projections were based on the WEFA World Steel Service. This service provides supply and demand projections for steel for each major country and region. Iron Ore and Concentrate statistics are presented in Table 1.13 for the major producing countries/regions of the world. The 1990 data are from the Bureau of Mines, U.S. Department of the Interior. The export data are proportional to but not equal to the total bilateral trade data because of differences in coverage. The U.S., Canada and Australia have the largest reserve base at the beginning of the period and increase their dominance at the end. At the other extreme, we see Brazil continuing to overexploit its reserve base in order to obtain hard currency.

A larger Canal might make a significant change in this outlook, as it would make Asian markets much more available to Venezuela, which might expand its mine production as a result. Such scenarios have not been examined but easily could be.

Table 1.13. Iron Ore/Concentrates Export Projections by Country/Region

	Million Tonnes					
	1990	2000	2010	2020	2060	Annual % 1990-2060
Exports						
U.S.	5.4	6.5	7.7	9.2	16.2	1.6%
Canada	29.8	38.4	49.5	63.8	81.7	1.5%
Venezuela	13.8	16.1	18.7	21.7	16.7	0.3%
Brazil	88.3	116.6	154.0	203.5	188.6	1.1%
Sweden	2.9	3.9	5.2	7.0	7.5	1.4%
India	25.9	30.5	35.9	42.2	70.0	1.4%
Australia	95.3	118.1	146.3	181.3	230.3	1.3%
West Africa	24.4	28.2	32.5	37.5	27.1	0.2%
South Africa	10.3	14.4	20.1	28.0	29.1	1.5%
Total of Above	296.1	372.5	469.9	594.2	667.3	1.2%
Mine production						
U.S.	53.9	93.3	136.3	182.0	397.7	
Canada	34.0	45.9	61.8	81.9	140.9	
Venezuela	19.0	25.4	28.1	31.1	24.3	
Brazil	162.0	160.8	183.4	225.1	210.3	
Sweden	23.0	30.2	42.6	57.6	63.0	
India	50.0	54.6	68.4	84.1	144.4	
Australia	112.0	140.5	174.4	213.0	269.7	
West Africa	17.1	19.2	22.0	25.5	18.2	
South Africa	33.0	47.4	64.1	94.1	117.2	
Reserve Base						
U.S.	25,200	24,464	23,316	21,724	10,130	
Canada	25,500	25,100	24,562	23,843	19,387	
Venezuela	3,300	3,078	2,811	2,515	1,406	
Brazil	17,300	15,686	13,966	11,923	3,216	
Sweden	4,600	4,334	3,970	3,468	1,058	
India	12,100	11,577	10,962	10,199	5,629	
Australia	28,100	26,837	25,263	23,326	13,670	
West Africa	2,300	2,119	1,913	1,675	801	
South Africa	9,300	8,898	8,340	7,549	3,322	

Bauxite and Alumina

Unlike most other minerals, Bauxite is plentiful world wide, although reserves in the United States are disappearing. Bauxite ore is 30% to 70% Alumina (aluminum oxide), the raw material in aluminum manufacture. Because much of world trade is in alumina, it is difficult to relate production to trade.

Because aluminum production is extraordinarily energy intensive, requiring electric power directly in the smelting process, we do not see production growing substantially. Aluminum production usually takes place near sources of remote hydropower. Paying urban rates for electricity renders aluminum manufacture non-competitive. For this reason, production is shifting away from industrial countries toward countries with abundant hydropower resources.

Table 1.14 World Bauxite Production/Reserve Outlook

Million Tonnes

	1990	2020	2060
PRODUCTION			
U.S.	0.38	0.38	0.19
AUSTRALIA	40.70	32.56	26.05
BRAZIL	8.80	7.92	7.52
GREECE	2.70	2.43	2.19
GUINEA	16.50	29.70	53.46
GUYANA	1.60	3.20	2.88
HUNGARY	2.60	1.82	1.46
INDIA	5.00	5.50	4.40
JAMAICA	10.92	5.46	13.65
SURINAME	3.27	2.94	2.65
USSR	4.20	2.52	1.76
VENEZUELA	0.77	1.54	1.23
YUGOSLAVIA	2.95	2.36	1.89
OTHER	9.16	22.90	27.48
TOTAL	109.55	121.23	146.81
RESERVE BASE			
U.S.	40	29	20
AUSTRALIA	4,600	3,501	2,622
BRAZIL	2,900	2,649	2,418
GREECE	650	573	504
GUINEA	5,900	5,207	3,960
GUYANA	900	828	737
HUNGARY	300	234	185
INDIA	1,200	1,043	894
JAMAICA	2,000	1,754	1,468
SURINAME	600	507	423
USSR	300	199	135
VENEZUELA	350	315	274
YUGOSLAVIA	400	320	257
OTHER	4,350	3,869	3,113
TOTAL	24,490	21,028	17,008

Energy

The forecasts of **world coal trade** drew heavily on WEFA's World Coal Trade Service. This is a coal supply/demand model optimized on a cost minimization basis under particular rules of market behavior, including the exercise of monopoly or monopsony power or the use of diversity constraints by consumers. Thermal coal demand is based, country by country, on industrial output, consumer expenditures and price; supply curves are corrected for exchange rates where appropriate; freight rates, port capacities, etc. are exogenous; cif and fob prices and quantities transported are produced.

The broad steps employed to develop the outlook for **oil and liquefied natural/petroleum gas** trades are shown in Figure 1.18 and are as follows:

- Against the established economic background, end-use energy demand projections were constructed for the major industrialized countries based on the WEFA world outlook by region, and the same overall energy demand/supply projections on which the coal trade forecasts are based. This resulted in forecasts of consumption, by country/region, for oil, natural gas and liquefied petroleum gas.

- With respect to oil supplies, for non OPEC producers, with the exception of North America, projections were based upon an examination of existing development plans together with known and potential reserves. For the U.S. and Canada, projections took into account potential government action to limit the extent of the envisaged fall off in production. OPEC production was, broadly speaking, treated as residual supply in the international system. The level of demand for OPEC oil during each time cycle was, along with a judgmental assessment of likely OPEC policy, the basis on which estimates of oil prices were made. This is an intrinsic part of establishing potential future world economic growth and trade and the resulting general oil price levels then provide the basis on which the energy investment climate for the following cycle was based.

- While ensuring the level of detail was appropriate to the task in hand, projections of liquefied gas trades were determined by infrastructure developments in main consuming areas; known or planned projects and known or potential reserves, recognizing the bulk of deep sea LPG trades, are sourced from major oil or gas producing areas.

World Energy Supply and Demand

The approach taken to forecasting total world energy demand was similar to that for the world economy as a whole. WEFA regularly compiles 20-year world energy supply, demand and transportation balances based on least cost of supply, including transportation costs. The work here was developed from detailed projection to 2020. This projection was extended by examining the energy/GDP ratios in the 30-year forecast and judgementally extending them.

The results of this analysis for world consumption are shown in Table 1.15. Our assumption is that Western Europe, the most energy efficient region in the world, will reduce its energy/GDP ratio by half over the seventy-year time horizon and that the rest of the world will follow. We further made adjustments to this ratio for latitude, assuming that more northern areas would have the larger ratios. The exception to this is the Middle East, where the continued abundance of oil is assumed to reduce the incentive for conservation.

The consumption shares from each source are based on supply-demand balances by region. The 1990 fossil-fuel reserves are from estimates made by the U.S. Department of the Interior. As stated above, a fundamental assumption of our scenario is that global warming turns out not to be a constraint to the consumption of fossil fuels. Further, we do not posit new sources such as nuclear fusion or substantial increases in wind or solar energy. These assumptions we have characterized as "conservative". Alternative assumptions as to energy sourcing would reduce world trade in fossil fuels.

In Tables 1.16 and 1.17, we give the supply/demand projections for oil and coal, respectively. In the case of oil, we show the Middle East having 69% of world reserves at the end of the forecast and world oil reserves depleted to 29% of their 1990 value.

Coal is vastly more abundant than either oil or gas, in large part because oil and gas pools seep to the surface and escape into the atmosphere unless trapped by impermeable rock formations. Coal is also more evenly distributed; at the end of the projection period, we show reserves depleted to 50% of their 1990 volume and the largest concentration in the former Soviet Union and Eastern Europe, 38% of world supplies.

The Panama Canal is not on a major route for oil trade, and we do not show large trades other than that of Venezuelan Oremulsion. However, coal trade between the East Coasts of the United States and South America, as origins, and Asia, as destinations, is a significant part of world trade and is expected to remain so in the future.

Table 1.15 World Energy Supply/Demand Balances

WORLD CONSUMPTION - GDP

Million Tons Oil Equivalent (mtoe) Unless Stated Otherwise

	1990	2000	2010	2020	2060
Oil					
U.S.	788	840	855	788	340
Canada	77	86	90	86	39
L America	258	337	394	434	220
Europe	695	714	668	613	250
Soviet Union	437	425	418	362	291
Africa	101	136	190	258	240
Middle East	146	205	253	292	218
Asia	653	888	1,010	1,083	652
Total	3,154	3,631	3,879	3,916	2,250
Gas					
U.S.	489	579	599	589	415
Canada	57	69	81	89	86
L America	79	122	169	204	183
Europe	295	391	454	449	391
Soviet Union	566	642	811	875	964
Africa	34	47	67	96	126
Middle East	91	151	291	489	707
Asia	133	195	296	373	426
Total	1,743	2,195	2,768	3,164	3,298
Coal					
U.S.	477	533	640	777	1,101
Canada	29	35	41	46	73
L America	23	28	36	46	132
Europe	476	506	598	744	1,125
Soviet Union	276	201	224	248	295
Africa	76	94	127	182	261
Middle East	3	4	7	10	47
Asia	834	1,267	1,701	2,021	2,492
Total	2,192	2,670	3,374	4,074	5,526
Nuclear					
U.S.	157	168	159	159	137
Canada	19	31	37	43	58
L America	1	2	6	9	88
Europe	171	195	219	199	239
Soviet Union	43	39	35	32	121
Africa	0	0	0	0	76
Middle East	0	0	0	0	172
Asia	70	111	168	242	682
Total	462	546	623	685	1,572
Hydro/Other					
U.S.	76	93	95	98	84
Canada	73	85	95	104	101
L America	109	169	228	281	253
Europe	120	138	155	166	166
Soviet Union	55	47	52	56	62
Africa	19	23	33	44	58
Middle East	3	3	3	3	4
Asia	103	156	210	256	292
Total	558	714	869	1,008	1,020

Table 1.15 World Energy Supply/Demand Balances (Continued)

WORLD CONSUMPTION - GDP (Continued)

Million Tons Oil Equivalent (mtoe) Unless Stated Otherwise

	1990	2000	2010	2020	2060
Total Energy Consumption					
U.S.	1,987	2,214	2,348	2,410	2,077
Canada	255	305	343	368	356
L America	470	659	833	974	876
Europe	1,756	1,945	2,095	2,172	2,171
Soviet Union	1,377	1,354	1,539	1,574	1,733
Africa	229	301	418	580	762
Middle East	242	363	553	793	1,147
Asia	1,793	2,617	3,384	3,975	4,544
Total	8,109	9,756	11,513	12,846	13,667
GDP (trillion 1980 US$)					
U.S.	3,540	4,551	5,636	7,166	13,855
Canada	356	443	580	730	1,403
L America	1,028	1,572	2,358	3,299	8,171
Europe	4,538	5,996	7,747	8,797	13,149
USSR&EastEur	1,178	1,435	1,962	4,306	14,764
Africa	451	611	881	1,733	7,690
Middle East(G4	292	392	559	1,296	6,336
Asia	3,915	5,770	8,392	12,784	32,790
Total	15,297	20,769	28,115	40,110	98,158
Total Energy / GDP Ratio					
U.S.	0.56	0.49	0.42	0.34	0.15
Canada	0.72	0.69	0.59	0.50	0.25
L America	0.46	0.42	0.35	0.30	0.11
Europe	0.39	0.32	0.27	0.25	0.17
USSR&EastEur	1.17	0.94	0.78	0.37	0.12
Africa	0.51	0.49	0.47	0.33	0.10
Middle East(G4	0.83	0.93	0.99	0.61	0.18
Asia	0.46	0.45	0.40	0.31	0.14
Total	0.53	0.47	0.41	0.32	0.14

Table 1.16 World Oil Supply/Demand Balances

Million Tonnes Unless Stated Otherwise

	1990	2000	2010	2020	2060
Consumption					
U.S.	788	840	855	788	340
Canada	77	86	91	86	39
L America	258	337	394	434	220
Europe	695	714	668	613	250
Soviet Union	437	425	418	362	291
Africa	101	136	190	258	240
Middle East	146	206	253	292	218
Asia	653	888	1,010	1,083	652
Total	3,154	3,631	3,879	3,916	2,250
Production					
U.S.	418	315	285	234	150
Canada	93	75	71	68	60
L America	374	437	466	513	240
Europe	217	229	209	182	50
Soviet Union	570	469	455	422	300
Africa	314	373	373	376	150
Middle East	843	1,360	1,608	1,704	1,050
Asia	321	373	412	416	250
Total	3,149	3,631	3,879	3,916	2,250
Reserves (billion tons)					
U.S.	13.4	9.7	6.7	4.1	2.2
Canada	5.5	4.6	3.9	3.2	2.5
L America	20.5	16.4	11.9	7.0	3.2
Europe	7.8	5.5	3.4	1.4	0.2
Soviet Union	24.7	19.5	14.9	10.5	6.9
Africa	14.5	11.0	7.3	3.5	0.9
Middle East	96.3	85.3	70.5	53.9	40.1
Asia	16.9	13.4	9.5	5.4	2.1
Total	199.5	165.6	128.0	89.0	58.2

Table 1.17 World Coal Supply/Demand Balances

Million Tonnes Oil Equivalent (mtoe) Unless Stated Otherwise

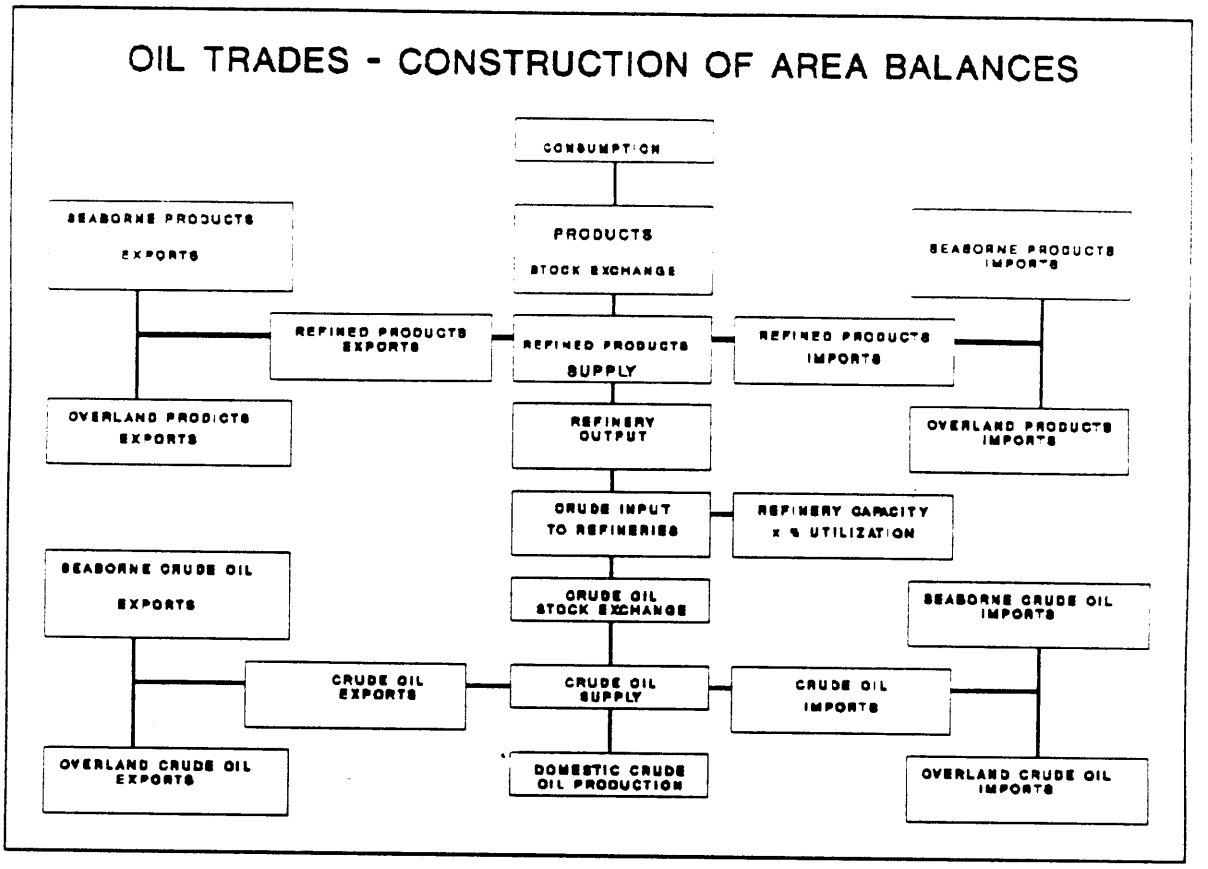
	1990	2000	2010	2020	2060
Consumption					
U.S.	477	533	640	777	1,101
Canada	29	35	41	46	73
L America	23	28	36	46	132
Europe	476	506	598	744	1,125
Soviet Union	276	201	224	248	295
Africa	76	94	127	182	261
Middle East	3	4	7	10	47
Asia	834	1,267	1,701	2,021	2,492
Total	2,192	2,670	3,374	4,074	5,526
Reserves (btoe)					
U.S.	129.9	123.6	115.8	107.4	71.4
Canada	3.5	3.1	2.6	2.0	0.8
Australia	45.1	43.8	42.0	39.5	23.5
South Africa	36.5	35.1	33.0	30.3	15.2
China	106.3	100.9	94.2	84.4	27.5
Indonesia	1.3	1.2	1.1	0.9	0.3
Soviet Union and Eastern Europe	146.9	142.2	137.5	132.8	108.9
L America	6.7	6.4	5.8	4.9	1.3
Other	95.6	91.1	85.3	77.8	39.0
Total	571.8	547.5	517.3	480.0	288.0
Production					
U.S.	569	694	876	800	1,000
Canada	37	45	57	50	10
Australia	107	150	200	300	500
South Africa	99	184	233	320	434
China	489	595	752	1,207	1,637
Indonesia	1	15	15	15	15
Soviet Union and Eastern Europe	465	470	470	470	725
L America	26	32	90	90	90
Other	399	486	681	822	1,115
Total	2,192	2,670	3,374	4,074	5,526
Net Imports					
U.S.	-93	-160	-236	-23	101
Canada	-8	-10	-16	-4	63
L America	-3	-4	-54	-44	42
Europe & the Soviet Union	41	-61	-66	18	34
Africa	-24	-90	-105	-138	-173
Middle East	3	4	7	10	47
Asia	84	320	471	163	-91
Total	0	-0	-0	-19	23

Completion of this outlook provided a projection of world oil and liquified gas demand and supply for approximately nineteen regions with the US East, Gulf and West coasts delineated separately, although, in reality, significant gas trades will be confined to fewer areas.

Based on the above world oil price scenario and forecasts of world oil demand and supply, together with estimates of actual world oil trade by source/ destination, forecasts of world oil trade were developed. These forecasts which were also be used as the basis for estimating future world oil tanker demand by size range. Trade forecasts also took into account the potential utilization and development of the Suez and Panama Canals, Middle East pipelines and projected volumes of trans-shipment and lightering operations which impact on vessel demand and size utilization. As additional input to the estimation of future potential tanker demand by size, forecasts were broken down into crude oil and petroleum products trades, utilizing estimates of future refining developments to determine potential petroleum products trading patterns.

Figure 1.18 illustrates the construction of regional crude oil and petroleum products demand and supply balances which provided the basis for estimating future seaborne oil movements. Trade matrices were developed for a minimum of 15 sources/15 destinations with the U.S. importing regions sub-divided into US East, Gulf and West Coasts.

Figure 1.18



Source: RLA

Orimulsion

Orimulsion is the name given to the liquid fuel obtained by mixing the almost solid heavy crude oil in the Orinoco (in Venezuela) with water using an emulsifying agent. It has already been test vurned fairly extensively in both the U.K. and the U.S. The cost of production and transport are not much grater than those of the Middle East crude: it can therefore be sold at a lower price than both coal and heavy fuel oil. There are extensive reserves in Venezuela and the state oil company effectively has a monopoly at the moment: however, in the long run reserves of a similar heavy crude in canada could be used.

Orimulsion does have several drawbacks, however. It has a heat content of 13,000 BTU, about the same as coal and much lower than residual fuel)20,950 btu/lb). It is also a high content of the heavy metals, Nickel and Vanadium, and it is higher in sulfur than residual fuel oil. This may rule out its use as a utility fuel except at those facilities that have advanced sulfur dioxide controls techniques which also capture the heavy metals. Given a sufficiently low price, however, this new fuel may sway coal users to switch to the fuel if it can be handled at these facilities.

Orimulsion is marketed as a boiler fuel for power generation and is transported in normal oil tankers with characteristics which enable efficient heating and temperature maintenance of the cargo. The volume of cargo moving to the North Pacific (Japan) is currently equivalent to 600,000 tonnes per annum, and this is expected to rise to 14 million tonnes in 2020 and 2060.

Although initially cargoes are being shipped in Panamax size vessels, Bitor - the company which produces Orimulsion - plans to develop its loading facilities such that as the volume of sales increase, VLCCs can eventually be loaded. Therefore, in determining the long term potential for attracting Orimulsion trade through the Panama Canal, the basis for comparison is the maximum size that can be accommodated by the Canal versus a VLCC on the route via the Cape of Good Hope. Under status quo conditions the Panama Canal will not be able to compete.

Origin	Destination	1990 Tonnes	2020 Tonnes	2060 Tonnes
DETAILED, NON-POTENTIAL TRADE				
U.S. East Coast	Canada East Coast	52,117	113,958	204,612
U.S. East Coast	Carib./Cent. America EC	109	91	179
U.S. East Coast	Colombia East Coast	7	7	16
U.S. East Coast	Venezuela	1,648	1,974	4,217
U.S. East Coast	Brazil	75,590	25,794	77,688
U.S. East Coast	Argentina	96	7	7
U.S. East Coast	E. South America NEC	2	8	18
U.S. East Coast	North Europe	18,251	104,508	127,877
U.S. East Coast	Mediterranean Europe	392	671	1,051
U.S. East Coast	North Africa/East Med	39	38	92
U.S. East Coast	Saudi Arabia	47	253	1,383
U.S. East Coast	Other Middle East	50	72	181
U.S. East Coast	South Asia	22	44	150
U.S. East Coast	Thailand	51	17	19
U.S. East Coast	Southeast Asia NEC	51	125	257
U.S. East Coast	Singapore	127	123	314
U.S. East Coast	Other Far East Asia	278	1,800	3,794
U.S. East Coast	Japan	867	2,573	2,418
U.S. East Coast	Australia	88	382	674
U.S. East Coast	Other Oceania	5	20	40
U.S. East Coast	West Africa	13,761	31,454	100,807
U.S. East Coast	South Africa	143	217	521
U.S. Gulf Coast	Canada East Coast	477,872	1,044,907	1,876,110
U.S. Gulf Coast	Mexico East Coast	136,367	126,943	127,927
U.S. Gulf Coast	Carib./Cent. America EC	1,525	1,185	2,466
U.S. Gulf Coast	Colombia East Coast	1,167	1,112	2,710
U.S. Gulf Coast	Venezuela	2,635	3,156	6,742
U.S. Gulf Coast	Brazil	47,539	16,221	48,861
U.S. Gulf Coast	Argentina	100	8	8
U.S. Gulf Coast	E. South America NEC	10	33	73
U.S. Gulf Coast	North Europe	120,324	228,457	306,204
U.S. Gulf Coast	Mediterranean Europe	1,376	2,961	3,223
U.S. Gulf Coast	North Africa/East Med	54	0	0
U.S. Gulf Coast	Saudi Arabia	167	902	4,923
U.S. Gulf Coast	Other Middle East	100	554	1,396
U.S. Gulf Coast	South Asia	441	1,338	4,158
U.S. Gulf Coast	West Africa	76,236	174,256	558,470
U.S. Gulf Coast	South Africa	32	48	120
U.S. West Coast	Canada West Coast	1,013	2,215	3,977
U.S. West Coast	Other Middle East	10	55	139
U.S. West Coast	South Asia	39	78	273
U.S. West Coast	Thailand	219	74	80
U.S. West Coast	Southeast Asia NEC	346	632	1,162
U.S. West Coast	Singapore	433	421	1,067
U.S. West Coast	Other Far East Asia	2,246	17,685	37,917
U.S. West Coast	Japan	2,458	7,294	6,851
U.S. West Coast	Australia	291	1,267	2,229
U.S. West Coast	Other Oceania	8	26	52
Canada East Coast	Brazil	1	0	0
Canada West Coast	W. South America NEC	16	26	63
Canada East Coast	North Europe	12,964	25,037	35,482
Canada East Coast	Mediterranean Europe	162	480	596
Canada East Coast	North Africa/East Med	21	5	17
Canada West Coast	South Asia	12	0	0
Canada West Coast	Japan	71	0	0
Canada West Coast	Australia	25	0	0
Canada East Coast	East Africa	3	0	0
Carib./Cent. America EC	U.S. East Coast	395,785	144,501	374,111
Carib./Cent. America EC	U.S. Gulf Coast	5,164,988	1,885,712	4,882,156
Carib./Cent. America EC	Canada East Coast	20,887	11,226	23,720
Carib./Cent. America EC	North Europe	2,108,153	1,750,664	2,760,742

Table 1.18 (cont'd)

	Carib./Cent. America EC	Mediterranean Europe	69,002	47,102	43,570
	Carib./Cent. America WC	Japan	24,028	20,219	23,950
	Carib./Cent. America WC	Australia	9,316	20,499	43,546
	Carib./Cent. America WC	Other Oceania	2,100	1,678	4,209
	Venezuela	U.S. East Coast	84,424	0	0
	Venezuela	U.S. Gulf Coast	100	0	0
	Brazil	U.S. East Coast	721,459	174,238	463,666
	Brazil	U.S. Gulf Coast	1,216,572	293,812	781,863
	Brazil	Canada East Coast	1,584,017	675,516	660,574
	Brazil	North Europe	91,803	127,832	157,692
	Brazil	Mediterranean Europe	102,114	39,641	52,415
	Brazil	Australia	869	2,948	3,859
	Argentina	North Europe	27	0	0
*	E. South America NEC	Australia	1,179	11,675	3,708
*	E. South America NEC	Other Oceania	2,122	86,404	88,487
	North Europe	U.S. East Coast	11,459	14,968	20,289
	North Europe	U.S. Gulf Coast	2,105	2,590	3,375
	North Europe	Canada East Coast	1,878	2,776	4,601
	North Europe	Mexico East Coast	1,395	1,028	1,537
	North Europe	Carib./Cent. America EC	18	2	3
	North Europe	Colombia East Coast	165	88	129
	North Europe	Venezuela	1,850	991	1,209
	North Europe	Brazil	876	906	1,437
	North Europe	Argentina	285	87	149
	North Europe	E. South America NEC	46	9	14
	North Europe	North Africa/East Med	6,609	12,895	42,639
	North Europe	Saudi Arabia	1,149	4,009	14,031
	North Europe	Other Middle East	2,103	5,300	11,806
	North Europe	South Asia	2,763	8,571	19,996
	North Europe	Thailand	88	199	378
	North Europe	Southeast Asia NEC	334	153	224
	North Europe	Singapore	72	58	138
	North Europe	Other Far East Asia	5,767	15,102	21,952
	North Europe	Japan	2,573	2,321	1,598
	North Europe	Australia	877	364	464
	North Europe	West Africa	118	139	376
	North Europe	East Africa	164	368	1,128
	North Europe	South Africa	7,271	4,512	6,104
	Mediterranean Europe	U.S. East Coast	15,360	9,754	18,929
	Mediterranean Europe	U.S. Gulf Coast	29,311	25,032	48,100
	Mediterranean Europe	Mexico East Coast	68	181	318
	Mediterranean Europe	Carib./Cent. America EC	1	0	0
	Mediterranean Europe	Venezuela	20	3	4
	Mediterranean Europe	Brazil	9	0	0
	Mediterranean Europe	Argentina	200	0	0
	Mediterranean Europe	North Africa/East Med	2,569	10,144	27,956
	Mediterranean Europe	Other Middle East	11,125	0	0
	Mediterranean Europe	South Asia	1	0	0
	Mediterranean Europe	Thailand	1	0	0
	Mediterranean Europe	Southeast Asia NEC	5	7	11
	Mediterranean Europe	Singapore	17	30	45
	Mediterranean Europe	Other Far East Asia	24,019	0	0
	Mediterranean Europe	Japan	32	21	12
	Mediterranean Europe	Australia	10	0	0
	Mediterranean Europe	South Africa	24	0	0
	North Africa/East Med	North Europe	605	0	0
	North Africa/East Med	Mediterranean Europe	42	0	0
	Saudi Arabia	North Europe	20	0	0
	Other Middle East	U.S. East Coast	35,000	0	0
	South Asia	Japan	42	7	9
	South Asia	Australia	30	47	110
	Southeast Asia NEC	U.S. West Coast	470,256	2,366,174	3,119,495
	Southeast Asia NEC	North Europe	12	0	0
	Southeast Asia NEC	Japan	794,658	116,666	125,731
	Singapore	Australia	3	0	0
	Other Far East Asia	U.S. West Coast	17,027	32,690	90,393
	Other Far East Asia	Canada West Coast	9,065	14,367	57,990

Other Far East Asia	North Europe	338,916	2,399,813	4,170,169
Other Far East Asia	Mediterranean Europe	152,096	252,615	291,235
Other Far East Asia	Japan	62,111	179,441	195,564
Other Far East Asia	Australia	12,626	7,849	23,039
Other Far East Asia	Other Oceania	2,249	3,209	10,422
Japan	U.S. West Coast	6,000	12,438	11,320
Japan	Canada West Coast	92,328	122,184	128,984
Japan	Mexico West Coast	425	425	425
Japan	Carib./Cent. America WC	1	0	0
Japan	Chile	101	0	0
Japan	North Europe	2,675	2,934	1,591
Japan	Mediterranean Europe	8,773	429	227
Japan	North Africa/East Med	6	6	15
Japan	Saudi Arabia	370	8,656	22,991
Japan	Other Middle East	656	2,792	5,450
Japan	South Asia	791	1,455	2,240
Japan	Thailand	5,545	3,398	780
Japan	Southeast Asia NEC	11,924	31,460	46,392
Japan	Singapore	756	322	351
Japan	Other Far East Asia	37,706	147,005	210,262
Japan	Australia	3,722	4,747	4,801
Japan	Other Oceania	4	5	6
Japan	East Africa	1	1	2
Japan	South Africa	196	216	364
Australia	U.S. East Coast	827,096	2,551,533	275,786
Australia	U.S. Gulf Coast	82,401	261,918	19,082
Australia	U.S. West Coast	2,599,995	6,658,399	10,595,820
Australia	North Europe	1,719,993	1,589,039	1,409,405
Australia	Mediterranean Europe	1,040,325	1,503,780	1,541,172
Australia	Japan	1,424,989	1,146,349	1,025,460
Australia	Other Oceania	481,964	867,265	1,724,647
West Africa	U.S. Gulf Coast	3,523,586	11,991,579	24,373,719
West Africa	Canada East Coast	412,523	133,164	249,258
West Africa	North Europe	4,802,120	7,697,810	18,752,608
West Africa	Mediterranean Europe	2,413,322	5,624,713	7,459,564
West Africa	Japan	1,697	7,725	13,860
West Africa	Australia	1,331	0	0
South Africa	North Europe	80	236	571

Table 1.18 (cont'd)

DETAILED, POTENTIAL TRADE				
U.S. East Coast	W. South America NEC	452	81	51
U.S. Gulf Coast	W. South America NEC	420	76	48
U.S. Gulf Coast	Other Far East Asia	1,579	3,516	3,781
U.S. Gulf Coast	Japan	7,733	11,848	2,672
U.S. Gulf Coast	Other Oceania	2,531	5,264	2,421
Carib./Cent. America EC	U.S. West Coast	121,539	199,324	265,101
Brazil	U.S. West Coast	17,968	4,340	11,549
Brazil	Japan	20	1,785	5,201
Venezuela	Japan	1,482	1,295	63
E. South America NEC	U.S. West Coast	16,594	63,748	80,105
E. South America NEC	Canada West Coast	2,661	9,954	6,968
E. South America NEC	Chile	3,438	1,859	1,835
E. South America NEC	W. South America NEC	11,384	43,121	56,447
E. South America NEC	Other Far East Asia	13,357	49,453	10,672
E. South America NEC	Japan	61,537	1,550,260	1,458,635
Southeast Asia NEC	U.S. Gulf Coast	141,609	904,803	1,159,992
Other Far East Asia	U.S. East Coast	42,237	94,212	193,432
Other Far East Asia	U.S. Gulf Coast	291,324	649,822	1,334,182
Other Far East Asia	Canada East Coast	16,533	11,077	16,284
Other Far East Asia	Mexico East Coast	2,067	1,219	890
Other Far East Asia	Colombia East Coast	15,514	21,858	45,395
Other Far East Asia	Venezuela	6,284	117,209	106,188
Australia	U.S. East Coast	6,384	19,662	2,163
Australia	U.S. Gulf Coast	1,578,564	4,861,978	534,818
Australia	Canada East Coast	64,565	198,860	21,875
Australia	Venezuela	478,556	662,003	86,060
Total Trade (all routes)		37,086,197	62,591,278	95,544,967
Total Potential Trade		2,906,332	9,488,630	5,406,827
69 ROUTES, POTENTIAL TRADE				
ASIA	CANADA EAST COAST	16,533	11,077	16,284
ASIA	CENTRAL AMERICA E.C., W	2,067	1,219	890
ASIA	S. AMERICA E.C.	21,797	139,068	151,584
ASIA	U.S. EAST COAST	475,169	1,648,838	2,687,606
CENTRAL AMERICA E.C., W	U.S. W.C., HAWAII	121,539	199,324	265,101
OCEANIA	CANADA EAST COAST	64,565	198,860	21,875
OCEANIA	S. AMERICA E.C.	478,556	662,003	86,060
OCEANIA	U.S. EAST COAST	1,584,948	4,881,640	536,980
S. AMERICA E.C.	ASIA	76,396	1,602,794	1,474,570
S. AMERICA E.C.	CANADA WEST COAST	2,661	9,954	6,968
S. AMERICA E.C.	S. AMERICA W.C.	14,822	44,980	58,282
S. AMERICA E.C.	U.S. W.C., HAWAII	34,563	68,089	91,654
U.S. EAST COAST	ASIA	9,312	15,364	6,453
U.S. EAST COAST	OCEANIA	2,531	5,264	2,421
U.S. EAST COAST	S. AMERICA W.C.	872	157	99
TOTAL		2,906,332	9,488,630	5,406,827
69 ROUTES, NON-POTENTIAL TRADE				
U.S. East Coast	Asia	612	1,549	4,772
U.S. East Coast	Oceania	88	382	674
South America East Coas	Oceania	4,169	101,027	96,053
Europe	Asia	35,672	26,462	44,354
Europe	Oceania	887	364	464
Asia	Europe	502,472	2,655,791	4,463,222
Oceania	U.S. East Coast	909,497	2,813,451	294,869
Oceania	Europe	2,760,318	3,092,819	2,950,577
Africa	Asia	1,697	7,725	13,860
Africa	Oceania	1,331	0	0
TOTAL		4,216,743	8,699,570	7,868,845
TOTAL BILATERAL TRADE (69 ROUTES)		7,123,075	18,188,200	13,275,671

Bulk Chemicals

Origin	Destination	1990 Tonnes	2020 Tonnes	2060 Tonnes
DETAILED, NON-POTENTIAL TRADE				
U.S. East Coast	Canada East Coast	18,942	16,681	27,949
U.S. East Coast	Mexico East Coast	94	14	14
U.S. East Coast	Carib./Cent. America EC	21,576	47,528	82,866
U.S. East Coast	Venezuela	1,874	913	1,374
U.S. East Coast	Brazil	31,170	18,501	30,922
U.S. East Coast	Argentina	1,001	298	442
U.S. East Coast	E. South America NEC	12	34	59
U.S. East Coast	North Europe	247,040	624,594	747,859
U.S. East Coast	Mediterranean Europe	52,095	110,828	112,658
U.S. East Coast	North Africa/East Med	733	2,046	5,149
U.S. East Coast	Saudi Arabia	77	81	144
U.S. East Coast	Other Middle East	47	40	84
U.S. East Coast	South Asia	9,413	25,576	51,975
U.S. East Coast	Singapore	195	175	223
U.S. East Coast	Thailand	3,436	5,659	8,789
U.S. East Coast	West Africa	320	820	2,619
U.S. East Coast	East Africa	110	362	1,105
U.S. East Coast	South Africa	660	910	2,243
U.S. Gulf Coast	Canada East Coast	100,469	88,474	148,238
U.S. Gulf Coast	Mexico East Coast	299,704	46,719	44,523
U.S. Gulf Coast	Carib./Cent. America EC	822,658	1,827,289	3,186,753
U.S. Gulf Coast	Venezuela	564,751	275,182	414,243
U.S. Gulf Coast	Brazil	812,941	482,507	806,506
U.S. Gulf Coast	Argentina	50,712	15,075	22,366
U.S. Gulf Coast	E. South America NEC	1,099	3,143	5,422
U.S. Gulf Coast	North Europe	1,477,647	3,369,015	3,784,176
U.S. Gulf Coast	Mediterranean Europe	355,686	529,075	571,669
U.S. Gulf Coast	North Africa/East Med	29,663	82,189	215,367
U.S. Gulf Coast	Saudi Arabia	21,725	22,852	40,690
U.S. Gulf Coast	Other Middle East	184	157	327
U.S. Gulf Coast	South Asia	69,296	182,964	362,992
U.S. Gulf Coast	Singapore	203,839	183,502	233,491
U.S. Gulf Coast	West Africa	49,233	121,060	420,465
U.S. Gulf Coast	East Africa	1	3	10
U.S. Gulf Coast	South Africa	104,103	143,482	353,743
U.S. West Coast	Canada West Coast	19,416	17,099	28,648
U.S. West Coast	Carib./Cent. America WC	10,006	22,040	38,430
U.S. West Coast	Chile	41,121	82,832	104,739
U.S. West Coast	W. South America NEC	12,910	10,019	17,387
U.S. West Coast	Other Middle East	41,379	269,987	915,477
U.S. West Coast	Middle East	1,896	4,171	14,031
U.S. West Coast	South Asia	150	410	835
U.S. West Coast	Thailand	117,162	192,941	299,669
U.S. West Coast	Southeast Asia NEC	385,287	240,661	355,176
U.S. West Coast	Singapore	13,324	11,995	15,262
U.S. West Coast	Other Far East Asia	416,555	1,584,180	2,773,669
U.S. West Coast	Japan	354,064	1,046,418	769,966
U.S. West Coast	Australia	87,135	42,551	58,421
U.S. West Coast	Other Oceania	35,220	67,818	113,632
U.S. West Coast	East Africa	12	40	121
Canada East Coast	U.S. East Coast	460,016	1,731,529	2,487,670
Canada East Coast	U.S. Gulf Coast	253,266	953,311	1,369,613
Canada West Coast	U.S. West Coast	381,531	1,436,107	2,063,241
Canada East Coast	Mexico East Coast	104	88	183
Canada West Coast	Mexico West Coast	4,918	4,143	8,675
Canada East Coast	Carib./Cent. America EC	49	38	72
Canada West Coast	Carib./Cent. America WC	2,337	1,783	3,404
Canada East Coast	Colombia East Coast	307	229	404
Canada West Coast	Colombia West Coast	14,500	10,827	19,103
Canada East Coast	Venezuela	517	50	87
Canada West Coast	Chile	468	924	1,798
Canada East Coast	Brazil	3,761	8,048	18,989

Table 1.19 (cont'd.)

Canada East Coast	Argentina	694	65	129
Canada West Coast	W. South America NEC	273	80	143
Canada East Coast	E. South America NEC	209	66	121
Canada East Coast	North Europe	80,339	83,087	109,878
Canada East Coast	Mediterranean Europe	8,571	15,459	20,769
Canada East Coast	North Africa/East Med	645	552	1,430
Canada West Coast	Other Far East Asia	435,381	1,231,183	2,477,029
Canada West Coast	Japan	879,481	369,838	282,728
Canada West Coast	Australia	7,820	1,777	2,219
Canada West Coast	Other Oceania	1,503	3,222	6,904
Canada East Coast	West Africa	109	98	340
Canada East Coast	South Africa	1,053	1,916	6,449
Canada East Coast	Saudi Arabia	189	519	2,183
Canada East Coast	Other Middle East	279	764	2,058
Canada West Coast	South Asia	2,318	5,434	13,896
Canada West Coast	Thailand	33,065	26,022	47,866
Canada West Coast	Southeast Asia NEC	20,004	8,275	20,089
Canada West Coast	Singapore	706	589	1,087
Canada East Coast	East Africa	214	732	2,577
Mexico East Coast	U.S. East Coast	588,563	9,223	16,456
Mexico West Coast	U.S. West Coast	41,538	10,840	22,611
Mexico East Coast	Canada East Coast	4,026	2,751	6,127
Mexico West Coast	Canada West Coast	13	9	20
Mexico East Coast	North Europe	111,194	467,265	870,072
Mexico East Coast	Mediterranean Europe	49,822	39,277	81,964
Mexico West Coast	Australia	602	1,054	2,596
Mexico West Coast	Other Oceania	918	3,023	8,279
Carib./Cent. America EC	U.S. East Coast	446,387	1,378,201	2,745,075
Carib./Cent. America EC	U.S. Gulf Coast	639,617	1,974,793	3,933,350
Carib./Cent. America WC	U.S. West Coast	25,679	79,282	157,912
Carib./Cent. America EC	Canada East Coast	68	35	76
Carib./Cent. America EC	North Europe	250,680	791,149	1,563,585
Carib./Cent. America EC	Mediterranean Europe	33,234	40,717	79,345
Carib./Cent. America WC	Australia	652	1,002	2,457
Carib./Cent. America WC	Other Oceania	293	0	0
Colombia West Coast	Australia	743	0	0
Colombia West Coast	Other Oceania	126	0	0
Venezuela	U.S. East Coast	1,856	656	1,338
Venezuela	U.S. Gulf Coast	57,830	20,422	41,659
Venezuela	Canada East Coast	974	1,113	2,522
Venezuela	North Europe	41,748	145,179	264,176
Venezuela	Mediterranean Europe	12,173	30,400	63,158
Chile	U.S. West Coast	89	75	225
Chile	Canada West Coast	3	8	18
Chile	Japan	129,948	118,083	143,955
Chile	Australia	1,262	2,796	5,402
Chile	Other Oceania	523	171	361
Brazil	U.S. East Coast	57,930	179,235	427,667
Brazil	U.S. Gulf Coast	96,817	299,553	714,752
Brazil	Canada East Coast	6,139	14,164	34,203
Brazil	North Europe	203,225	917,785	1,536,636
Brazil	Mediterranean Europe	35,609	112,294	209,468
Argentina	U.S. East Coast	11,061	35,205	80,861
Argentina	U.S. Gulf Coast	77,830	247,706	568,949
Argentina	Canada East Coast	93	52	108
Argentina	North Europe	51,604	50,303	81,874
Argentina	Mediterranean Europe	7,485	6,045	12,585
Argentina	Japan	19,550	38,994	51,188
Argentina	Australia	6,130	19,233	48,273
Argentina	Other Oceania	430	597	1,673
W. South America NEC	U.S. West Coast	54	460	1,113
W. South America NEC	Japan	1,097	1,623	2,031
W. South America NEC	Australia	115	141	358
W. South America NEC	Other Oceania	2,741	0	0
E. South America NEC	U.S. East Coast	3	10	25
E. South America NEC	North Europe	50	102	199
E. South America NEC	Mediterranean Europe	161	162	475

North Europe	U.S. East Coast	377,521	2,413,274	3,999,880
North Europe	U.S. Gulf Coast	1,122,989	2,812,144	5,032,539
North Europe	Canada East Coast	183,068	341,491	419,955
North Europe	Mexico East Coast	128,398	209,232	297,245
North Europe	Carib./Cent. America EC	206,857	242,501	389,201
North Europe	Venezuela	63,866	147,609	195,079
North Europe	Brazil	321,025	396,954	607,655
North Europe	Argentina	53,885	46,618	71,606
North Europe	E. South America NEC	12,436	27,924	42,744
North Europe	North Africa/East Med	508,760	1,584,323	3,736,367
North Europe	Saudi Arabia	160,191	307,223	765,868
North Europe	Other Middle East	381,800	1,119,590	3,756,633
North Europe	South Asia	316,562	1,643,567	3,235,471
North Europe	Thailand	167,551	593,057	949,686
North Europe	Southeast Asia NEC	317,201	349,923	554,401
North Europe	Singapore	200,353	493,408	1,146,401
North Europe	Other Far East Asia	1,096,336	4,305,632	6,881,036
North Europe	Japan	768,098	1,727,598	1,259,862
North Europe	Australia	184,325	275,887	384,185
North Europe	West Africa	457,581	1,251,615	3,201,052
North Europe	East Africa	141,408	684,978	1,907,089
North Europe	South Africa	336,708	857,303	2,462,485
Mediterranean Europe	U.S. East Coast	74,928	128,449	201,052
Mediterranean Europe	U.S. Gulf Coast	174,988	259,023	348,488
Mediterranean Europe	Canada East Coast	23,695	21,796	27,579
Mediterranean Europe	Mexico East Coast	87,573	42,642	66,828
Mediterranean Europe	Carib./Cent. America EC	132,565	292,547	458,356
Mediterranean Europe	Venezuela	24,873	42,129	48,904
Mediterranean Europe	Brazil	224,519	349,344	511,718
Mediterranean Europe	Argentina	64,914	45,064	72,178
Mediterranean Europe	E. South America NEC	16,910	27,436	47,237
Mediterranean Europe	North Africa/East Med	631,155	1,173,907	3,213,822
Mediterranean Europe	Saudi Arabia	47,355	66,725	155,240
Mediterranean Europe	Other Middle East	294,198	90,184	231,434
Mediterranean Europe	South Asia	157,342	691,289	1,816,113
Mediterranean Europe	Thailand	70,405	111,443	228,024
Mediterranean Europe	Southeast Asia NEC	131,436	72,032	112,135
Mediterranean Europe	Singapore	42,687	38,203	65,101
Mediterranean Europe	Other Far East Asia	226,836	891,995	1,691,249
Mediterranean Europe	Japan	140,083	282,754	239,075
Mediterranean Europe	Australia	45,413	67,255	106,279
Mediterranean Europe	Other Oceania	7,011	6,961	12,815
Mediterranean Europe	West Africa	46,889	251,758	983,842
Mediterranean Europe	East Africa	29,153	112,790	341,927
Mediterranean Europe	South Africa	52,828	110,737	314,235
* Europe	Asia	172,991	387,835	633,371
North Africa/East Med	U.S. East Coast	9,847	22,102	73,470
North Africa/East Med	U.S. Gulf Coast	42,073	172,397	631,838
North Africa/East Med	Canada East Coast	1,970	319	282
North Africa/East Med	North Europe	869,653	3,480,980	10,385,172
North Africa/East Med	Mediterranean Europe	1,650,664	2,070,372	5,755,147
North Africa/East Med	Japan	26,242	22,357	11,728
North Africa/East Med	Australia	10,564	3,619	2,584
North Africa/East Med	Other Oceania	2,315	1,670	6,488
Saudi Arabia	U.S. East Coast	64,507	186,872	480,094
Saudi Arabia	U.S. Gulf Coast	273,972	793,672	2,039,040
Saudi Arabia	Canada	606	0	0
Saudi Arabia	North Europe	434,708	1,657,691	2,877,670
Saudi Arabia	Mediterranean Europe	326,886	1,061,829	2,479,924
Saudi Arabia	Japan	923,271	2,551,519	3,884,312
Saudi Arabia	Other Oceania	34	0	0
Other Middle East	U.S. East Coast	61,141	930,302	2,573,264
Other Middle East	U.S. Gulf Coast	83,783	576,792	1,588,354
Other Middle East	North Europe	47,008	215,721	520,059
Other Middle East	Mediterranean Europe	133,779	794,536	1,982,640
Other Middle East	Japan	58,307	84,386	100,975
Other Middle East	Other Oceania	91	125	438

Table 1.19 (cont'd.)

South Asia	U.S. East Coast	199	286	750
South Asia	Canada	136	97	243
South Asia	North Europe	65,115	137,539	277,550
South Asia	Mediterranean Europe	9,554	20,392	48,824
South Asia	Japan	29,456	34,096	46,203
South Asia	Australia	3,850	8,097	23,044
South Asia	Other Oceania	1,022	691	1,652
Thailand	U.S. East Coast	95	327	725
Thailand	U.S. West Coast	11	38	84
Thailand	Canada	161	551	1,257
Thailand	North Europe	1,078	3,824	6,366
Thailand	Mediterranean Europe	564	75	126
Thailand	Japan	38,607	15,314	17,296
Thailand	Australia	1,050	1,929	4,471
Thailand	Other Oceania	3,400	8,276	13,424
Southeast Asia NEC	U.S. West Coast	55	250	563
Southeast Asia NEC	Canada	77	248	589
Southeast Asia NEC	North Europe	42,970	66,144	110,456
Southeast Asia NEC	Mediterranean Europe	3,341	5,672	12,597
Southeast Asia NEC	Japan	284,303	477,571	609,972
Southeast Asia NEC	Australia	13,435	20,301	48,789
Southeast Asia NEC	Other Oceania	3,472	4,563	12,896
Singapore	U.S. East Coast	66	155	339
Singapore	North Europe	3,351	7,591	12,934
Singapore	Mediterranean Europe	544	312	670
Singapore	Japan	85,970	189,204	220,430
Singapore	Australia	3,032	6,087	14,929
Singapore	Other Oceania	1,331	587	806
Other Far East Asia	U.S. West Coast	42,248	64,045	120,614
Other Far East Asia	Canada West Coast	22,142	39,119	60,893
Other Far East Asia	North Europe	221,117	786,738	1,732,599
Other Far East Asia	Mediterranean Europe	101,683	532,327	1,178,814
Other Far East Asia	Japan	885,475	1,408,406	1,563,888
Other Far East Asia	Australia	58,814	98,920	248,212
Other Far East Asia	Other Oceania	20,610	32,221	92,525
Japan	U.S. West Coast	31,169	96,833	98,014
Japan	Canada West Coast	32,814	77,276	80,266
Japan	Chile	4,705	13,330	17,642
Japan	Argentina	1,803	837	881
Japan	W. South America NEC	790	999	1,246
Japan	E. South America NEC	162	489	640
Japan	North Europe	399,611	864,500	769,215
Japan	Mediterranean Europe	113,489	329,955	278,050
Japan	North Africa/East Med	9,323	5,497	8,767
Japan	Saudi Arabia	2,315	6,483	16,522
Japan	Other Middle East	32,160	32,939	57,023
Japan	South Asia	99,556	449,103	744,532
Japan	Thailand	399,378	557,903	686,054
Japan	Southeast Asia NEC	727,067	770,846	961,779
Japan	Singapore	154,615	171,392	207,936
Japan	Other Far East Asia	3,118,711	12,184,536	15,888,900
Japan	Australia	405,704	741,022	813,446
Japan	Other Oceania	33,601	44,668	56,562
Japan	West Africa	3,941	9,018	20,951
Japan	East Africa	5,343	36,735	85,874
Japan	South Africa	25,017	84,136	190,182
* Asia	Europe	78,873	250,028	420,000
Australia	U.S. West Coast	173	648	1,244
Australia	Canada West Coast	371	927	1,774
Australia	Carib./Cent. America WC	61	0	0
Australia	Argentina	60	0	0
Australia	E. South America NEC	6	0	0
Australia	North Europe	46,167	251,793	575,085
Australia	Mediterranean Europe	6,638	29,122	40,611
Australia	North Africa/East Med	23,678	98,565	289,492
Australia	Other Middle East	640	6,787	21,336
Australia	South Asia	4,716	25,051	76,195

Australia	Thailand	23,864	16,995	35,095
Australia	Southeast Asia NEC	32,153	31,713	71,454
Australia	Singapore	56,795	64,531	143,285
Australia	Other Far East Asia	98,553	1,254,084	3,754,402
Australia	Japan	115,763	293,532	299,878
Australia	Other Oceania	68,043	148,933	337,520
Australia	West Africa	25	0	0
Australia	East Africa	1,752	7,665	35,040
Australia	South Africa	569	2,240	9,315
Other Oceania	Canada West Coast	37	0	0
Other Oceania	Carib./Cent. America WC	8	0	0
Other Oceania	Mediterranean Europe	15,214	36,371	83,753
Other Oceania	South Asia	1	0	0
Other Oceania	Southeast Asia NEC	47,709	17,906	62,309
Other Oceania	Singapore	5,728	86,443	291,685
Other Oceania	Other Far East Asia	44,244	233,697	538,886
Other Oceania	Japan	212,402	480,132	498,088
Other Oceania	Australia	37,495	330,217	931,375
Other Oceania	Other Oceania	1,849	7,543	16,820
Other Oceania	South Africa	28	137	745
West Africa	U.S. East Coast	13,389	11,662	44,740
West Africa	U.S. Gulf Coast	500	494	1,896
West Africa	Canada East Coast	301	792	2,965
West Africa	North Europe	13,384	23,685	60,049
West Africa	Mediterranean Europe	33,237	190,996	676,705
East Africa	Canada East Coast	100	42	153
East Africa	North Europe	1,802	1,971	6,241
East Africa	Mediterranean Europe	106	0	2
East Africa	Japan	36	0	0
East Africa	Other Oceania	192	0	0
South Africa	U.S. East Coast	9,277	39,772	118,807
South Africa	U.S. Gulf Coast	22,387	95,975	286,698
South Africa	Canada East Coast	2,442	4,369	14,891
South Africa	North Europe	150,538	504,795	1,394,707
South Africa	Mediterranean Europe	146,587	85,856	301,198
South Africa	Japan	62,055	341,320	607,649
South Africa	Australia	4,302	6,700	8,467
South Africa	Other Oceania	466	889	3,430
DETAILED, POTENTIAL TRADE				
U.S. East Coast	Canada West Coast	993	874	1,465
U.S. East Coast	Colombia West Coast	12,008	20,550	30,004
U.S. East Coast	Chile	929	1,871	2,365
U.S. East Coast	W. South America NEC	1,250	969	1,684
U.S. East Coast	Southeast Asia NEC	506	2,105	3,188
U.S. East Coast	Other Far East Asia	48,901	203,428	308,076
U.S. East Coast	Japan	22,488	93,550	141,674
U.S. East Coast	Australia	5,398	2,636	3,619
U.S. East Coast	Other Oceania	694	1,338	2,240
U.S. Gulf Coast	Canada West Coast	5,266	4,637	7,769
U.S. Gulf Coast	Colombia West Coast	319,285	546,430	797,808
U.S. Gulf Coast	Chile	56,832	114,481	144,756
U.S. Gulf Coast	W. South America NEC	82,641	64,136	111,294
U.S. Gulf Coast	Thailand	52,951	220,276	333,591
U.S. Gulf Coast	Southeast Asia NEC	62,205	258,773	391,892
U.S. Gulf Coast	Other Far East Asia	1,989,670	8,277,027	12,534,921
U.S. Gulf Coast	Japan	1,196,613	4,977,910	7,538,662
U.S. Gulf Coast	Australia	670,505	327,436	449,544
U.S. Gulf Coast	Other Oceania	34,062	65,630	109,976
U.S. East Coast	Carib./Cent. America WC	29,540	49,923	86,257
U.S. East Coast	U.S. West Coast	600,161	1,926,517	2,160,580
U.S. West Coast	U.S. East Coast	44,082	58,188	85,960
U.S. West Coast	Canada East Coast	41	36	60
U.S. West Coast	Colombia East Coast	1,101	1,884	2,751
U.S. West Coast	Venezuela	33,468	16,308	24,548
U.S. West Coast	Brazil	208	124	206
U.S. West Coast	Argentina	14,315	4,255	6,313

Table 1.19 (cont'd.)

U.S. West Coast	North Europe	380,783	831,349	1,022,320
U.S. West Coast	Mediterranean Europe	62,566	115,720	151,133
U.S. West Coast	North Africa/East Med	18	36	77
U.S. West Coast	South Africa	136,302	187,859	463,155
Canada West Coast	U.S. East Coast	119,933	451,437	648,576
Canada West Coast	U.S. Gulf Coast	66,031	248,543	357,080
Canada West Coast	North Europe	148,611	153,696	203,253
Canada West Coast	Mediterranean Europe	15,855	28,597	38,420
Mexico East Coast	Japan	72,252	116,922	139,070
Carib./Cent. America EC	Japan	38	38	44
Carib./Cent. America EC	U.S. West Coast	6,060	10,256	15,034
Carib./Cent. America WC	U.S. East Coast	144,514	343,943	695,112
Carib./Cent. America EC	Carib./Cent. America WC	2,617	7,195	13,292
Carib./Cent. America WC	Carib./Cent. America EC	8,082	22,226	41,057
Carib./Cent. America EC	South America West Coas	1,027	2,824	5,216
Carib./Cent. America WC	South America East Coas	6,950	19,114	35,308
Colombia West Coast	U.S. East Coast	5,114	3,887	11,711
Colombia East Coast	U.S. West Coast	73	71	158
Colombia West Coast	North Europe	1,124	253	523
Colombia West Coast	Mediterranean Europe	827	0	0
Venezuela	Canada West Coast	3	4	8
Venezuela	Japan	1,501	2,847	3,390
Venezuela	Australia	418	0	0
Chile	U.S. East Coast	72,920	55,419	166,987
Chile	U.S. Gulf Coast	44,299	33,667	101,445
Chile	Canada East Coast	925	2,423	5,653
Chile	North Europe	221,398	611,813	1,082,104
Chile	Mediterranean Europe	28,903	52,530	95,796
Brazil	U.S. West Coast	613	1,897	4,526
Brazil	Canada West Coast	20	45	110
Brazil	Japan	131,627	389,217	491,135
Brazil	Australia	4,465	4,980	5,331
Brazil	Other Oceania	1,319	819	2,149
W. South America NEC	U.S. East Coast	18	14	41
W. South America NEC	U.S. Gulf Coast	964	733	2,208
W. South America NEC	North Europe	22,847	21,450	29,239
W. South America NEC	Mediterranean Europe	6,569	15,066	34,817
South America West Coas	Carib./Cent. America EC	98	269	497
South America East Coas	South America West Coas	25,965	71,403	132,000
South America West Coas	South America East Coas	594	1,633	3,000
North Europe	U.S. West Coast	15,101	67,561	118,495
North Europe	Canada West Coast	2,374	4,428	5,445
North Europe	Colombia West Coast	32,350	40,344	65,587
North Europe	Chile	51,498	140,460	226,616
North Europe	W. South America NEC	26,120	14,779	19,304
North Europe	Other Oceania	46,538	63,977	98,959
Mediterranean Europe	U.S. West Coast	1,693	1,931	3,167
Mediterranean Europe	Canada West Coast	307	283	358
Mediterranean Europe	Colombia West Coast	12,300	11,749	18,350
Mediterranean Europe	Chile	32,256	73,585	113,673
Mediterranean Europe	W. South America NEC	5,104	6,779	11,440
Europe	Carib./Cent. America WC	23,554	43,103	71,000
Southeast Asia NEC	U.S. East Coast	90,334	414,120	932,728
Southeast Asia NEC	U.S. Gulf Coast	2,195	2,107	4,574
Other Far East Asia	U.S. East Coast	2,074	4,813	10,713
Other Far East Asia	U.S. Gulf Coast	13,070	32,749	79,059
Japan	U.S. East Coast	7,705	23,938	24,229
Japan	U.S. Gulf Coast	97,656	303,387	307,091
Japan	Mexico East Coast	19,993	65,039	86,679
Japan	Carib./Cent. America EC	5,546	502	246
Japan	Colombia East Coast	3,138	1,776	1,724
Japan	Venezuela	7,186	2,074	2,403
Japan	Brazil	5,595	1,503	1,691
Australia	U.S. East Coast	558	5,372	13,000
Australia	Canada East Coast	139	348	667
Australia	Colombia East Coast	4	0	0
Australia	Venezuela	286	1,634	4,004

Australia	Brazil	523	1,743	4,533
Other Oceania	Canada East Coast	14	0	0
Other Oceania	North Europe	14,019	72,606	107,809
Africa	South America west Coas	11,512	31,658	58,481
Total Trade (all routes)		44,950,963	114,702,965	201,774,348
Total Potential Trade		7,561,097	22,485,835	33,674,202
69 ROUTES, POTENTIAL TRADE				
AFRICA	S. AMERICA W.C.	11,512	31,658	58,481
ASIA	CENTRAL AMERICA E.C., W	25,539	65,541	86,925
ASIA	S. AMERICA E.C.	15,919	5,353	5,818
ASIA	U.S. EAST COAST	213,034	781,114	1,358,394
CANADA WEST COAST	EUROPE	164,466	182,293	241,673
CANADA WEST COAST	U.S. EAST COAST	185,964	699,981	1,005,656
CENTRAL AMERICA E.C., W	ASIA	72,290	116,960	139,114
CENTRAL AMERICA E.C., W	C. AMERICA W.C.	2,617	7,195	13,292
CENTRAL AMERICA E.C., W	S. AMERICA W.C.	1,027	2,824	5,216
CENTRAL AMERICA E.C., W	U.S. W.C., HAWAII	6,060	10,256	15,034
C. AMERICA W.C.	CENTRAL AMERICA E.C., W	8,082	22,226	41,057
C. AMERICA W.C.	S. AMERICA E.C.	6,950	19,114	35,308
C. AMERICA W.C.	U.S. EAST COAST	144,514	343,943	695,112
EUROPE	CANADA WEST COAST	2,681	4,710	5,803
EUROPE	C. AMERICA W.C.	23,554	43,103	71,000
EUROPE	OCEANIA	46,538	63,977	98,959
EUROPE	S. AMERICA W.C.	159,628	287,696	454,970
EUROPE	U.S. W.C., HAWAII	16,794	69,492	121,662
OCEANIA	CANADA EAST COAST	153	348	667
OCEANIA	EUROPE	14,019	72,606	107,809
OCEANIA	S. AMERICA E.C.	813	3,377	8,537
OCEANIA	U.S. EAST COAST	558	5,372	13,000
S. AMERICA E.C.	ASIA	133,128	392,064	494,525
S. AMERICA E.C.	S. AMERICA W.C.	25,965	71,403	132,000
S. AMERICA E.C.	CANADA WEST COAST	23	49	118
S. AMERICA E.C.	OCEANIA	6,202	5,799	7,480
S. AMERICA E.C.	U.S. W.C., HAWAII	686	1,968	4,684
S. AMERICA W.C.	CANADA EAST COAST	925	2,423	5,653
S. AMERICA W.C.	CENTRAL AMERICA E.C., W	98	269	497
S. AMERICA W.C.	EUROPE	281,668	701,112	1,242,479
S. AMERICA W.C.	S. AMERICA E.C.	594	1,633	3,000
S. AMERICA W.C.	U.S. EAST COAST	123,315	93,719	282,391
U.S. EAST COAST	ASIA	3,373,334	14,033,069	21,252,004
U.S. EAST COAST	CANADA WEST COAST	6,258	5,511	9,234
U.S. EAST COAST	C. AMERICA W.C.	29,540	49,923	86,257
U.S. EAST COAST	OCEANIA	710,659	397,040	565,379
U.S. EAST COAST	S. AMERICA W.C.	472,945	748,437	1,087,911
U.S. EAST COAST	U.S. W.C., HAWAII	600,161	1,926,517	2,160,580
U.S. WEST COAST	AFRICA	136,320	187,895	463,232
U.S. WEST COAST	CANADA EAST COAST	41	36	60
U.S. W.C., HAWAII	EUROPE	443,349	947,069	1,173,453
U.S. W.C., HAWAII	S. AMERICA E.C.	49,092	22,571	33,818
U.S. W.C., HAWAII	U.S. EAST COAST	44,082	58,188	85,960
TOTAL		7,561,097	22,485,835	33,674,202

Table 1.19 (cont'd.)

69 ROUTES, NON-POTENTIAL TRADE				
U.S. East Coast	Asia	286,179	397,876	657,470
U.S. West Coast	Africa	12	40	121
South America East Coas	Asia	19,550	38,994	51,188
South America East Coas	Oceania	6,560	19,830	49,946
Europe	Asia	3,807,881	11,588,736	18,811,925
Europe	Oceania	236,749	350,103	503,279
Africa	Asia	88,333	363,677	619,377
Africa	Oceania	17,839	12,878	20,969
Asia	U.S. East Coast	360	768	1,814
Asia	Europe	1,041,290	3,005,097	4,848,201
Asia	South America East Coas	1,965	1,326	1,521
Oceania	South America East Coas	66	0	0
Oceania	Europe	68,019	317,286	699,449
TOTAL		5,574,803	16,096,611	26,265,260
TOTAL BILATERAL TRADE (69 ROUTES)		13,135,900	38,582,446	59,939,462

Origin	Destination	1990 Tonnes	2020 Tonnes	2060 Tonnes
DETAILED, NON-POTENTIAL TRADE				
U.S. East Coast	Canada East Coast	13,406,401	75,017,012	61,770,387
U.S. East Coast	Carib./Cent. America EC	77,608	68,987	49,955
U.S. East Coast	Colombia East Coast	435	1,111	1,618
U.S. East Coast	Venezuela	26,817	133,211	168,249
U.S. East Coast	Brazil	4,655,038	6,171,502	7,617,698
U.S. East Coast	Argentina	336,299	99,257	114,642
U.S. East Coast	E. South America NEC	94	0	0
U.S. East Coast	North Europe	25,645,209	56,337,780	48,503,395
U.S. East Coast	Mediterranean Europe	17,455,724	54,327,348	53,803,852
U.S. East Coast	North Africa/East Med	2,214,720	6,536,247	8,947,783
U.S. East Coast	Saudi Arabia	22	286	316
U.S. East Coast	Other Middle East	166	267	326
U.S. East Coast	South Asia	100	84	111
U.S. East Coast	Singapore	352	4,943	7,904
U.S. East Coast	Australia	32,384	108,245	115,432
U.S. East Coast	Other Oceania	872	1,936	1,896
U.S. East Coast	South Africa	50,038	92,202	54,035
U.S. Gulf Coast	Canada East Coast	209,855	1,174,269	966,914
U.S. Gulf Coast	Mexico East Coast	48,164	320,761	342,760
U.S. Gulf Coast	Carib./Cent. America EC	65,042	57,817	41,869
U.S. Gulf Coast	Colombia East Coast	66	168	245
U.S. Gulf Coast	Venezuela	190,968	948,620	1,198,130
U.S. Gulf Coast	Brazil	709,738	940,948	1,161,445
U.S. Gulf Coast	Argentina	244,775	72,245	83,442
U.S. Gulf Coast	North Europe	8,738,732	21,946,259	18,680,181
U.S. Gulf Coast	Mediterranean Europe	7,631,832	24,816,487	24,660,681
U.S. Gulf Coast	North Africa/East Med	334,707	1,637,104	2,306,701
U.S. Gulf Coast	Saudi Arabia	108	1,420	1,568
U.S. Gulf Coast	Other Middle East	217,506	354,611	418,012
U.S. Gulf Coast	Singapore	101	1,419	2,269
U.S. Gulf Coast	West Africa	81,337	121,051	156,486
U.S. Gulf Coast	East Africa	19	0	0
U.S. Gulf Coast	South Africa	102,209	188,333	110,372
U.S. West Coast	Canada West Coast	87,197	1,027,584	844,110
U.S. West Coast	Mexico West Coast	392	98,853	126,152
U.S. West Coast	W. South America NEC	106	130	207
U.S. West Coast	Other Middle East	126	202	247
U.S. West Coast	South Asia	536	448	595
U.S. West Coast	Thailand	501	515	831
U.S. West Coast	Southeast Asia NEC	20,815	56,031	60,743
U.S. West Coast	Singapore	10,347	145,230	232,244
U.S. West Coast	Other Far East Asia	1,621,463	9,463,505	14,254,172
U.S. West Coast	Japan	3,544,679	6,608,008	6,766,664
U.S. West Coast	Australia	409,051	1,367,260	1,458,045
U.S. West Coast	Other Oceania	89,509	199,029	195,256
Canada East Coast	U.S. East Coast	390,889	419,744	294,600
Canada West Coast	U.S. West Coast	27,448	29,474	20,687
Canada West Coast	Mexico West Coast	69	48	51
Canada West Coast	Carib./Cent. America WC	1,072	807	850
Canada East Coast	Venezuela	37,000	25,660	27,015
Canada West Coast	Chile	225,715	46,301	44,558
Canada East Coast	Brazil	203,602	169,165	178,491
Canada East Coast	E. South America NEC	21	0	0
Canada East Coast	North Europe	13,502	9,466	6,569
Canada East Coast	Mediterranean Europe	1,698	1,474	1,186
Canada East Coast	North Africa/East Med	789	598	683
Canada East Coast	Saudi Arabia	53	18	9
Canada East Coast	Other Middle East	129,000	0	0
Canada West Coast	South Asia	208,000	160,794	183,607
Canada West Coast	Singapore	92	193	250
Canada West Coast	Other Far East Asia	6,578,125	12,522,765	15,626,723

Table 1.20 (cont'd.)

Canada West Coast	Japan	19,397,479	15,359,709	13,242,656
Canada West Coast	Australia	2,055	978	502
Canada East Coast	South Africa	2,000	745	370
Mexico East Coast	Mediterranean Europe	29,000	0	0
Carib./Cent. America EC	North Europe	1,000	147	162
Carib./Cent. America EC	Mediterranean Europe	67,000	0	0
Colombia East Coast	U.S. East Coast	1,285,529	29,098,615	26,737,807
Colombia East Coast	North Europe	6,814,325	54,684,263	56,369,771
Colombia East Coast	Mediterranean Europe	1,155,325	11,206,960	13,452,615
Venezuela	U.S. East Coast	239,372	13,988,692	13,563,537
Venezuela	Canada East Coast	33,000	0	0
Venezuela	North Europe	1,266,934	74,723,900	84,378,322
Venezuela	Mediterranean Europe	231,013	11,802,963	11,741,964
Brazil	North Europe	1,824	144	192
Brazil	Mediterranean Europe	5	0	0
Argentina	U.S. Gulf Coast	49,914	12,864	15,589
Argentina	North Europe	87,418	85,069	107,509
Argentina	Mediterranean Europe	37,089	17,708	24,395
Argentina	Japan	42,445	0	0
North Europe	U.S. East Coast	696	1,154	1,152
North Europe	U.S. Gulf Coast	32,543	31,946	30,898
North Europe	U.S. West Coast	351	481	569
North Europe	Canada East Coast	12,131	43,142	45,511
North Europe	Carib./Cent. America EC	2,262	2,669	3,746
North Europe	Colombia East Coast	29	0	0
North Europe	Venezuela	24,998	10,225	20,556
North Europe	Brazil	25,815	20,950	32,218
North Europe	North Africa/East Med	422,586	177,928	295,740
North Europe	Saudi Arabia	15,043	67,271	75,818
North Europe	Other Middle East	31,208	32,321	45,283
North Europe	South Asia	20,298	48,064	104,709
North Europe	Thailand	220	1,169	1,760
North Europe	Southeast Asia NEC	1,533	290	401
North Europe	Singapore	2,158	11,340	21,972
North Europe	Other Far East Asia	11,025	19,570	38,331
North Europe	Japan	8,739,114	11,780,442	17,524,181
* North Europe	Australia	23,572	31,767	40,852
North Europe	Other Oceania	59	0	0
North Europe	West Africa	5,645	4,183	7,237
North Europe	East Africa	2,874	6,369	10,712
North Europe	South Africa	2,716	1,431	1,720
Mediterranean Europe	U.S. East Coast	35,901	60,174	48,785
Mediterranean Europe	Mexico East Coast	22	0	0
Mediterranean Europe	Carib./Cent. America EC	35	0	0
Mediterranean Europe	Venezuela	40	0	0
Mediterranean Europe	Brazil	5,210	7,666	9,348
Mediterranean Europe	Argentina	27	0	0
Mediterranean Europe	North Africa/East Med	47,411	39,419	51,314
Mediterranean Europe	Saudi Arabia	125	102	117
Mediterranean Europe	Other Middle East	5,294	534	653
Mediterranean Europe	South Asia	909	0	0
Mediterranean Europe	Japan	90	106	106
Mediterranean Europe	Australia	13	0	0
Mediterranean Europe	West Africa	18	31	47
Mediterranean Europe	East Africa	145	58	76
North Africa/East Med	North Europe	17,024	66,693	83,615
North Africa/East Med	Mediterranean Europe	239,000	18,819	23,158
Saudi Arabia	North Europe	3,000	7,170	6,285
Other Middle East	North Europe	38,095	45	12
Other Middle East	Mediterranean Europe	4,868	0	0
Other Middle East	Japan	329,458	0	0
South Asia	North Europe	8,226	0	0
South Asia	Mediterranean Europe	20,000	0	0
South Asia	Japan	21,153	6,905	5,020
South Asia	Australia	30	0	0
Thailand	Japan	300	0	0
Southeast Asia NEC	North Europe	295,285	7,122,403	6,902,752

Southeast Asia NEC	Mediterranean Europe	41,000	2,034,196	2,028,247
Southeast Asia NEC	Japan	1,681,028	32,968,446	33,379,884
Southeast Asia NEC	Australia	18	0	0
Singapore	Australia	133	0	0
Singapore	Other Oceania	159	0	0
Other Far East Asia	U.S. West Coast	5	0	0
Other Far East Asia	North Europe	2,487,042	1,660,324	2,076,120
Other Far East Asia	Mediterranean Europe	365,000	412,192	521,486
Other Far East Asia	Japan	5,633,527	3,584,094	4,708,533
Other Far East Asia	Australia	21	0	0
Japan	U.S. West Coast	11,180	8,187	4,667
Japan	Mexico West Coast	5,083	0	0
Japan	Chile	24,968	26,228	24,368
Japan	North Europe	424,672	1,069,908	730,039
Japan	Mediterranean Europe	346,887	968,714	748,195
* Japan	Mediterranean Europe	51,601	63,985	61,921
Japan	Saudi Arabia	80	80	80
Japan	Other Middle East	3,004	6,101	5,202
Japan	South Asia	111,608	105,237	105,128
Japan	Thailand	63,432	100,392	108,683
Japan	Southeast Asia NEC	162,410	117,742	117,201
Japan	Singapore	17,045	24,409	24,964
Japan	Other Far East Asia	246,118	426,365	432,837
Japan	Australia	16,597	8,451	6,316
Japan	Other Oceania	33	0	0
Australia	U.S. West Coast	21,586	36,678	44,281
Australia	Colombia West Coast	105	220	391
Australia	Chile	337,000	554,810	963,543
Australia	Brazil	1,388,000	2,285,099	3,968,548
Australia	Argentina	336,000	553,166	960,689
Australia	North Europe	16,173,279	20,549,173	23,992,377
* Australia	North Europe	12,188	21,328	28,275
Australia	Mediterranean Europe	4,330,147	12,429,655	18,058,612
Australia	North Africa/East Med	1,074,000	1,786,226	3,298,930
Australia	South Asia	803,000	1,237,005	2,328,059
Australia	Thailand	817	4,278	9,980
Australia	Southeast Asia NEC	1,698,136	7,142,159	15,000,081
Australia	Singapore	10,000	35,820	88,854
Australia	Other Far East Asia	19,651,800	10,900,402	23,235,247
Australia	Japan	55,864,387	98,795,885	14,065,106
Australia	Other Oceania	166,390	211,630	390,927
Other Oceania	Mediterranean Europe	13	0	0
Other Oceania	South Asia	51,000	0	0
Other Oceania	Singapore	21	0	0
Other Oceania	Other Far East Asia	30,014	42	56
Other Oceania	Japan	290,437	477,990	426,156
Other Oceania	Australia	3,000	4,174	3,797
Other Oceania	Other Oceania	287	1,159	1,520
West Africa	North Europe	3,000	7,169	7,426
West Africa	Mediterranean Europe	26,000	0	0
East Africa	North Europe	28,000	74,745	83,719
East Africa	Mediterranean Europe	35,000	0	0
South Africa	North Europe	11,380,317	32,545,845	41,518,996
South Africa	Mediterranean Europe	13,697,334	40,076,616	53,963,399
South Africa	Japan	5,078,696	19,389,853	29,589,911
DETAILED, POTENTIAL TRADE				
U.S. East Coast	Chile	271,131	224,848	463,138
U.S. East Coast	Southeast Asia NEC	685	2,388	4,014
U.S. East Coast	Other Far East Asia	3,703,315	19,307,885	28,357,888
U.S. East Coast	Japan	6,364,892	11,863,662	12,147,249
U.S. Gulf Coast	Chile	91,199	75,631	155,784
U.S. Gulf Coast	Southeast Asia NEC	39,326	154,509	278,785
U.S. Gulf Coast	Other Far East Asia	2,752,321	16,206,499	24,604,281
U.S. Gulf Coast	Japan	5,059,761	9,432,434	9,658,904
U.S. Gulf Coast	Australia	121,789	375,570	441,930
U.S. West Coast	Canada East Coast	136,822	225,940	188,065

Table 1.20 (cont'd.)

U.S. West Coast	Mexico East Coast	21,580	47,476	30,212
U.S. West Coast	Venezuela	8,464	40,791	51,360
U.S. West Coast	Brazil	8,975	11,898	14,688
U.S. West Coast	North Europe	1,955,698	28,939	23,352
U.S. West Coast	Mediterranean Europe	202,584	2,998	2,419
Canada East Coast	Chile	127,285	26,730	25,457
Canada West Coast	Brazil	1,024,398	851,129	898,051
Canada West Coast	North Europe	3,201,276	2,244,284	1,557,569
Canada West Coast	Mediterranean Europe	402,504	349,569	281,293
Colombia East Coast	Chile	182,042	552,443	715,815
Colombia East Coast	W. South America NEC	45,675	138,611	179,602
Colombia East Coast	Japan	120,055	409,626	494,891
Venezuela	Japan	36	0	0
Other Far East Asia	Mexico East Coast	10,316	29,558	44,485
Southeast Asia NEC	Carib./Cent. America WC	3,072	8,800	13,245
Japan	U.S. East Coast	255,452	309,097	612,012
Japan	U.S. Gulf Coast	468,330	566,679	1,122,024
Japan	Mexico East Coast	4,993	14,304	21,528
Australia	U.S. East Coast	40,334	68,495	82,627
Australia	U.S. Gulf Coast	126,694	215,153	259,545
Other Oceania	U.S. East Coast	3,029	5,143	6,205
Other Oceania	North Europe	3,029	5,300	7,027
Total Trade (all routes)		308,210,184	870,913,395	876,539,458
Total Potential Trade		26,757,062	63,796,390	82,743,443
69 ROUTES, POTENTIAL TRADE				
ASIA	CENTRAL AMERICA E.C., W	18,381	52,662	79,259
ASIA	U.S. EAST COAST	723,782	875,776	1,734,036
CANADA EAST COAST	S. AMERICA W.C.	127,285	26,730	25,457
CANADA WEST COAST	EUROPE	3,603,780	2,593,853	1,838,861
CANADA WEST COAST	S. AMERICA E.C.	1,024,398	851,129	898,051
OCEANIA	EUROPE	3,029	5,300	7,027
OCEANIA	U.S. EAST COAST	170,056	288,791	348,376
S. AMERICA E.C.	ASIA	120,091	409,626	494,891
S. AMERICA E.C.	S. AMERICA W.C.	227,718	691,054	895,417
U.S. EAST COAST	ASIA	17,920,300	56,967,377	75,051,121
U.S. EAST COAST	OCEANIA	121,789	375,570	441,930
U.S. EAST COAST	S. AMERICA W.C.	362,330	300,479	618,922
U.S. W.C., HAWAII	CANADA EAST COAST	136,822	225,940	188,065
U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W	21,580	47,476	30,212
U.S. W.C., HAWAII	EUROPE	2,158,282	31,937	25,771
U.S. W.C., HAWAII	S. AMERICA E.C.	17,440	52,690	66,048
TOTAL		26,757,062	63,796,390	82,743,443
69 ROUTES, NON-POTENTIAL TRADE				
U.S. East Coast	Asia	553	6,446	10,284
U.S. East Coast	Oceania	33,256	110,181	117,328
South America East Coast	Asia	42,445	0	0
Europe	Asia	8,775,347	11,860,981	17,691,460
Europe	Oceania	23,644	31,767	40,852
Asia	Europe	4,039,713	13,301,722	13,068,760
Oceania	South America East Coas	1,724,000	2,838,265	4,929,237
Oceania	Europe	20,515,627	33,000,156	42,079,264
Africa	Asia	5,078,696	19,389,853	29,589,911
TOTAL		40,233,281	80,539,371	107,527,096
TOTAL BILATERAL TRADE (69 ROUTES)		66,990,343	144,335,761	190,270,539

Table 1.2

Crude Petroleum

Origin	Destination	1990 Tonnes	2020 Tonnes	2060 Tonnes
DETAILED, NON-POTENTIAL TRADE				
U.S. East Coast	Canada East Coast	339,428	712,643	900,831
U.S. East Coast	Carib./Cent. America EC	7	1	1
U.S. East Coast	North Europe	118,998	0	0
U.S. Gulf Coast	North Europe	1,018	124	116
U.S. Gulf Coast	Singapore	40,988	29,729	198
U.S. West Coast	Other Far East Asia	84,418	186,694	450,203
U.S. West Coast	Australia	80	79	127
Canada East Coast	U.S. East Coast	89,338	156,766	223,442
Canada East Coast	U.S. Gulf Coast	352,187	705,484	1,113,522
Canada West Coast	U.S. West Coast	203,124	356,436	508,032
Canada West Coast	Other Far East Asia	231,978	1,117,869	2,919,377
Canada West Coast	Japan	73,743	0	0
Mexico East Coast	U.S. East Coast	4,773,833	4,212,444	5,307,324
Mexico East Coast	U.S. Gulf Coast	26,975,216	23,803,004	29,989,780
Mexico West Coast	U.S. West Coast	742,782	655,432	825,790
Mexico East Coast	Canada East Coast	355,826	149,243	154,163
Mexico East Coast	North Europe	4,897,000	4,737,404	6,069,200
Mexico East Coast	Mediterranean Europe	12,097,000	11,042,629	15,035,309
Mexico West Coast	Japan	8,577,291	9,955,496	15,229,564
Mexico West Coast	Other Far East Asia	504,928	586,060	896,534
Carib./Cent. America EC	U.S. East Coast	385,641	47,299	51,138
Carib./Cent. America EC	U.S. Gulf Coast	3,288,530	403,347	436,071
Carib./Cent. America EC	North Europe	692,000	102,343	111,970
Carib./Cent. America EC	Mediterranean Europe	92,000	90,359	121,364
Colombia East Coast	U.S. East Coast	1,665,768	2,379,135	3,233,534
Colombia East Coast	U.S. Gulf Coast	6,034,818	8,619,237	11,714,593
Colombia West Coast	U.S. West Coast	31,625	45,168	61,390
Colombia East Coast	North Europe	146,000	0	0
Venezuela	U.S. East Coast	7,986,986	8,150,452	10,225,253
Venezuela	U.S. Gulf Coast	26,842,584	27,391,957	34,364,932
Venezuela	Canada East Coast	1,177,480	2,512,553	2,667,062
Venezuela	North Europe	8,161,000	8,076,667	9,781,048
Venezuela	Mediterranean Europe	419,000	292,808	368,486
Argentina	U.S. East Coast	142,944	57,454	69,621
Argentina	U.S. Gulf Coast	407,338	163,721	198,393
W. South America NEC	U.S. West Coast	207,404	3,533	4,389
North Europe	U.S. East Coast	5,015,361	5,279,012	6,972,784
North Europe	U.S. Gulf Coast	9,151,752	8,233,271	11,107,217
North Europe	Canada East Coast	8,816,490	36,395,997	44,331,357
North Europe	Carib./Cent. America EC	383,000	0	0
North Europe	E. South America NEC	81,000	0	0
North Europe	North Africa/East Med	252,289	550,804	1,109,111
North Europe	Saudi Arabia	65	0	0
North Europe	Other Middle East	41	0	0
North Europe	Other Far East Asia	6	0	0
North Europe	Japan	47,705	151,361	229,276
North Europe	West Africa	1,909	1,344	3,463
North Europe	East Africa	6	14	29
Mediterranean Europe	U.S. East Coast	510,489	225,618	182,921
Mediterranean Europe	U.S. Gulf Coast	681,344	118,576	96,136
Mediterranean Europe	Canada East Coast	15	15	15
Mediterranean Europe	Mexico East Coast	8	0	0
Mediterranean Europe	North Africa/East Med	11	0	0
Mediterranean Europe	Other Far East Asia	8	0	0
Mediterranean Europe	Japan	42	0	0
Mediterranean Europe	West Africa	21	0	0
North Africa/East Med	U.S. East Coast	1,333,221	2,419,885	2,282,761
North Africa/East Med	U.S. Gulf Coast	230,363	324,690	259,248
North Africa/East Med	Canada East Coast	259,849	0	0
North Africa/East Med	North Europe	36,029,276	64,013,891	64,298,400
North Africa/East Med	Mediterranean Europe	59,970,100	82,561,634	90,364,434

Table 1.21 (cont'd.)

North Africa/East Med	Japan	146,848	790,769	1,127,214
North Africa/East Med	Australia	122,051	205,096	170,173
Saudi Arabia	U.S. East Coast	10,859,468	8,416,830	7,013,303
Saudi Arabia	U.S. Gulf Coast	24,981,712	19,362,534	16,133,782
Saudi Arabia	Canada East Coast	3,661,518	14,213,055	11,941,285
Saudi Arabia	North Europe	35,966,000	35,537,462	31,040,593
Saudi Arabia	Mediterranean Europe	16,348,000	16,109,442	16,139,964
Saudi Arabia	Japan	37,923,643	15,073,417	12,684,456
Saudi Arabia	Australia	1,378,416	2,811,248	3,077,004
Saudi Arabia	Other Oceania	1,947,000	2,965,891	2,982,961
Other Middle East	U.S. East Coast	8,578,287	9,463,396	7,587,527
Other Middle East	U.S. Gulf Coast	26,159,916	51,905,723	46,384,779
Other Middle East	U.S. West Coast	393,357	438,702	352,725
Other Middle East	Canada East Coast	866,478	3,764,769	3,186,772
Other Middle East	North Europe	60,554,000	68,085,244	59,659,765
Other Middle East	Mediterranean Europe	42,551,000	60,401,556	57,740,903
Other Middle East	Japan	10,441,972	18,343,145	17,560,458
Other Middle East	Australia	2,132,031	3,384,213	2,789,512
Other Middle East	Other Oceania	932,000	1,008,787	757,450
South Asia	U.S. East Coast	89,224	123,827	83,440
South Asia	U.S. Gulf Coast	24,347	49,975	33,675
South Asia	North Europe	109,000	0	0
South Asia	Japan	2,824,262	221,288	143,357
South Asia	Australia	244,006	396,495	329,011
Thailand	U.S. West Coast	20,771	0	0
Southeast Asia NEC	U.S. West Coast	4,053,812	5,486,766	5,144,401
Southeast Asia NEC	North Europe	193,000	0	0
Southeast Asia NEC	Mediterranean Europe	291,000	464,330	471,548
Southeast Asia NEC	Japan	30,761,951	28,192,630	35,504,305
Southeast Asia NEC	Australia	1,561,899	4,217,513	4,842,502
Southeast Asia NEC	Other Oceania	358,000	497,953	531,961
Singapore	U.S. West Coast	320,072	1,560,708	1,563,575
Singapore	North Europe	78	195	195
Singapore	Australia	11,026	20,418	24,211
Other Far East Asia	U.S. West Coast	814,463	599,576	721,453
Other Far East Asia	Mediterranean Europe	591,000	0	0
Other Far East Asia	Japan	13,298,668	8,325,852	11,266,729
Other Far East Asia	Australia	175,738	282,897	434,445
Australia	U.S. East Coast	35,632	36,660	42,247
Australia	U.S. West Coast	1,468,879	1,511,277	1,741,576
Australia	North Europe	105,000	0	0
Australia	South Asia	100,000	157,831	297,066
Australia	Thailand	82,000	0	0
Australia	Southeast Asia NEC	875,000	3,338,728	7,182,475
Australia	Singapore	1,949,000	6,957,214	17,257,838
Australia	Other Far East Asia	345,000	1,499,233	3,219,257
Australia	Japan	1,461,195	2,643,135	3,756,221
Australia	Other Oceania	47,000	65,963	87,257
Other Oceania	Australia	771,000	1,120,323	1,019,216
West Africa	U.S. East Coast	30,707,215	69,868,727	76,000,002
West Africa	U.S. Gulf Coast	20,720,727	59,705,520	65,642,983
West Africa	Canada East Coast	2,999,949	21,256,655	21,986,631
West Africa	North Europe	29,208,113	61,864,499	71,478,667
West Africa	Mediterranean Europe	18,718,000	52,389,414	62,571,881
West Africa	Japan	729,173	3,945,386	5,633,297
East Africa	U.S. Gulf Coast	15,792	35,757	38,974
South Africa	Japan	12	0	0
DETAILED, POTENTIAL TRADE				
U.S. East Coast	W. South America NEC	17	11	21
U.S. Gulf Coast	U.S. West Coast	91,293	0	0
U.S. West Coast	U.S. Gulf Coast	176,285	0	0
Canada West Coast	U.S. Gulf Coast	182,331	232,472	223,355
Mexico East Coast	Carib./Cent. America WC	392,611	522,082	99,265
Carib./Cent. America EC	Carib./Cent. America WC	16,624	16,624	16,624
Carib./Cent. America EC	Chile	104,865	137,822	29,961
Carib./Cent. America EC	U.S. West Coast	80,474	70,817	89,326

Table 1.21 (cont'd.)

Colombia East Coast	W. South America NEC	46,246	48,977	39,077
Venezuela	U.S. West Coast	285,695	375,792	80,857
Venezuela	Carib./Cent. America WC	1,004,181	1,616,732	1,747,276
Venezuela	Chile	877,620	1,165,918	221,524
Venezuela	W. South America NEC	76	425	892
Venezuela	Asia	0	14,000,000	14,000,000
W. South America NEC	U.S. East Coast	971,913	105,677	0
W. South America NEC	U.S. Gulf Coast	647,827	103,652	0
W. South America NEC	Carib./Cent. America EC	4,743,131	611,428	0
Total Trade (all routes)		702,550,563	1,005,146,135	1,088,199,109
Total Potential Trade		9,621,189	19,008,429	16,548,179

Table 1.21 (cont'd.)

69 ROUTES, POTENTIAL TRADE				
CANADA WEST COAST	U.S. EAST COAST	182,331	232,472	223,355
CENTRAL AMERICA E.C.,	WC. AMERICA W.C.	409,235	538,706	115,890
CENTRAL AMERICA E.C.,	WS. AMERICA W.C.	104,865	137,822	29,961
CENTRAL AMERICA E.C.,	WU.S. W.C., HAWAII	80,474	70,817	89,326
S. AMERICA E.C.	ASIA	0	14,000,000	14,000,000
S. AMERICA E.C.	C. AMERICA W.C.	1,004,181	1,616,732	1,747,276
S. AMERICA E.C.	S. AMERICA W.C.	923,942	1,215,320	261,493
S. AMERICA E.C.	U.S. W.C., HAWAII	285,695	375,792	80,857
S. AMERICA W.C.	CENTRAL AMERICA E.C., W	4,743,131	611,428	0
S. AMERICA W.C.	U.S. EAST COAST	1,619,740	209,329	0
U.S. EAST COAST	S. AMERICA W.C.	17	11	21
U.S. EAST COAST	U.S. W.C., HAWAII	91,293	0	0
U.S. W.C., HAWAII	U.S. EAST COAST	176,285	0	0
TOTAL		9,621,189	19,008,429	16,548,179
69 ROUTES, NON-POTENTIAL TRADE				
U.S. East Coast	Asia	40,988	29,729	198
Europe	Asia	47,761	151,361	229,276
Africa	Asia	876,033	4,736,155	6,760,511
Africa	Oceania	122,051	205,096	170,173
Middle East	U.S. West Coast	393,357	438,702	352,725
Asia	U.S. East Coast	113,571	173,802	117,115
Asia	Europe	1,184,078	464,525	471,743
Oceania	U.S. East Coast	35,632	36,660	42,247
Oceania	Europe	105,000	0	0
TOTAL		2,918,471	6,236,030	8,143,988
TOTAL BILATERAL TRADE (69 ROUTES)		12,539,660	25,244,459	24,692,166

Table 1.12

Oils and Fats

Origin	Destination	1990 Tonnes	2020 Tonnes	2060 Tonnes
DETAILED, NON-POTENTIAL TRADE				
U.S. East Coast	Carib./Cent. America EC	26,217	32,684	66,590
U.S. East Coast	Venezuela	42	63	136
U.S. East Coast	Brazil	11	2	5
U.S. East Coast	Argentina	74	6	7
U.S. East Coast	E. South America NEC	13	38	82
U.S. East Coast	North Europe	32,827	28,810	29,737
U.S. East Coast	Mediterranean Europe	47,616	119,090	121,936
U.S. East Coast	North Africa/East Med	25,810	46,706	46,706
U.S. East Coast	South Asia	67,525	217,911	526,667
U.S. East Coast	West Africa	2,423	4,826	15,466
U.S. East Coast	East Africa	7,355	22,028	50,297
U.S. East Coast	South Africa	1,599	780	1,782
U.S. Gulf Coast	Carib./Cent. America EC	157,358	196,169	399,679
U.S. Gulf Coast	Venezuela	77,173	116,590	249,731
U.S. Gulf Coast	Brazil	27,310	4,512	13,595
U.S. Gulf Coast	North Europe	218,919	200,757	208,286
U.S. Gulf Coast	Mediterranean Europe	169,849	321,885	342,458
U.S. Gulf Coast	North Africa/East Med	189,827	348,984	505,476
U.S. Gulf Coast	Saudi Arabia	58,822	154,612	236,607
U.S. Gulf Coast	Other Middle East	28,270	64,440	95,173
U.S. Gulf Coast	South Asia	307,231	984,321	2,378,335
U.S. Gulf Coast	West Africa	50,925	67,749	135,292
U.S. Gulf Coast	East Africa	24,376	73,006	166,693
U.S. Gulf Coast	South Africa	21,893	10,685	24,405
U.S. West Coast	Carib./Cent. America WC	15,214	18,967	38,643
U.S. West Coast	Southeast Asia NEC	6,800	14,574	24,838
U.S. West Coast	Singapore	6	20	55
U.S. West Coast	Other Far East Asia	117,036	816,426	1,783,191
U.S. West Coast	Japan	76,391	214,943	204,430
U.S. West Coast	Australia	9	39	69
U.S. West Coast	Other Oceania	26	20	43
Canada West Coast	Mexico West Coast	106	208	500
Canada West Coast	Carib./Cent. America WC	7,030	1,310	2,495
Canada West Coast	Colombia West Coast	5	0	0
Canada East Coast	Venezuela	9	0	0
Canada West Coast	Chile	56	82	206
Canada East Coast	Brazil	71	0	0
Canada West Coast	W. South America NEC	11,310	17,898	43,993
Canada East Coast	North Europe	41,995	106,277	130,642
Canada East Coast	Mediterranean Europe	9,004	32,651	46,235
Canada East Coast	Other Middle East	909	0	0
Canada West Coast	South Asia	2,456	7,527	22,975
Canada West Coast	Southeast Asia NEC	562	340	803
Canada West Coast	Singapore	1,047	327	924
Canada West Coast	Other Far East Asia	8,778	48,613	134,120
Canada West Coast	Japan	61,377	69,009	69,773
Canada West Coast	Australia	15	0	0
Canada West Coast	Other Oceania	72	40	113
Canada East Coast	North Africa/East Med	38,250	89,220	132,843
Canada East Coast	East Africa	4,896	24,861	91,268
Canada East Coast	West Africa	12,155	73,138	268,728
Mexico East Coast	Canada East Coast	11	0	0
Mexico West Coast	Canada West Coast	0	0	0
Mexico East Coast	North Europe	1,386	159	3,324
Mexico East Coast	Mediterranean Europe	519	127	172
Mexico West Coast	Australia	5	0	0
Carib./Cent. America EC	U.S. East Coast	18	37	100
Carib./Cent. America EC	U.S. Gulf Coast	11	5,506	15,369
Carib./Cent. America EC	North Europe	3,504	5,498	7,531
Carib./Cent. America EC	Mediterranean Europe	11	0	0
Colombia East Coast	U.S. East Coast	2,000	0	0

Table 1.22 (cont'd.)

Venezuela	U.S. East Coast	19	195	479
Venezuela	U.S. Gulf Coast	1,030	10,521	25,928
Venezuela	Mediterranean Europe	790	0	0
Chile	Canada West Coast	10	0	0
Chile	Japan	97	120	147
Chile	Australia	25	0	0
Chile	Other Oceania	42	0	0
Brazil	U.S. East Coast	26,088	69,881	182,082
Brazil	U.S. Gulf Coast	3,190	8,545	22,264
Brazil	Canada East Coast	236	518	1,298
Brazil	North Europe	52,956	75,769	104,307
Brazil	Mediterranean Europe	17,006	38,988	68,497
Argentina	U.S. East Coast	1,969	10,866	24,110
Argentina	U.S. Gulf Coast	39,066	215,546	478,245
Argentina	Canada East Coast	1,512	1,676	3,785
Argentina	North Europe	140,967	64,482	84,629
Argentina	Mediterranean Europe	156,812	62,661	148,576
Argentina	Japan	3,580	434	536
Argentina	Australia	30,705	34,914	71,816
Argentina	Other Oceania	10,387	9,998	25,063
E. South America NEC	U.S. East Coast	1,006	282	275
E. South America NEC	North Europe	925	847	1,177
E. South America NEC	Mediterranean Europe	126	259	376
E. South America NEC	Japan	1,594	2,374	2,437
E. South America NEC	Australia	142	0	0
North Europe	U.S. East Coast	68,118	149,960	237,862
North Europe	U.S. Gulf Coast	71,748	241,359	345,914
North Europe	Canada East Coast	2,900	8,425	14,563
North Europe	Mexico East Coast	142,839	155,701	280,393
North Europe	Carib./Cent. America EC	64,392	135,865	277,898
North Europe	Colombia East Coast	501	506	1,045
North Europe	Venezuela	8,302	8,194	9,938
North Europe	Brazil	1,415	605	1,145
North Europe	Argentina	1,051	387	816
North Europe	E. South America NEC	543	753	1,645
North Europe	North Africa/East Med	319,714	567,971	1,068,772
North Europe	Saudi Arabia	19,431	55,229	174,394
North Europe	Other Middle East	56,856	124,559	341,253
North Europe	South Asia	31,411	36,871	79,137
North Europe	Thailand	3,993	7,079	10,578
North Europe	Southeast Asia NEC	16,066	26,380	39,924
North Europe	Singapore	3,191	3,826	8,649
North Europe	Other Far East Asia	397,548	642,549	1,296,085
North Europe	Japan	8,156	18,240	20,322
North Europe	Australia	3,270	5,073	6,577
North Europe	West Africa	83,922	213,876	611,274
North Europe	East Africa	84,487	294,141	890,518
North Europe	South Africa	20,661	13,580	19,859
Mediterranean Europe	U.S. East Coast	6,891	8,691	10,747
Mediterranean Europe	U.S. Gulf Coast	5,088	14,763	19,164
Mediterranean Europe	Canada East Coast	7,740	14,697	22,240
Mediterranean Europe	Mexico East Coast	6,447	5,842	11,672
Mediterranean Europe	Carib./Cent. America WC	29,886	43,681	88,712
Mediterranean Europe	Colombia East Coast	97	82	167
Mediterranean Europe	Venezuela	4,559	2,239	4,873
Mediterranean Europe	Brazil	9,557	11,864	34,934
Mediterranean Europe	Argentina	3	0	0
Mediterranean Europe	E. South America NEC	71	73	174
Mediterranean Europe	North Africa/East Med	338,367	657,179	1,715,920
Mediterranean Europe	Saudi Arabia	5,379	12,364	15,852
Mediterranean Europe	Other Middle East	33,372	72,760	278,804
Mediterranean Europe	South Asia	23,283	73,841	154,127
Mediterranean Europe	Thailand	3,528	5,479	9,607
Mediterranean Europe	Southeast Asia NEC	221	783	2,189
Mediterranean Europe	Singapore	334	278	478
Mediterranean Europe	Other Far East Asia	586	1,263	2,158
Mediterranean Europe	Japan	5,730	6,887	4,560

Mediterranean Europe	Australia	8,430	10,040	12,836
Mediterranean Europe	Other Oceania	246	1,029	2,081
Mediterranean Europe	West Africa	34,570	83,526	311,487
Mediterranean Europe	East Africa	12,464	84,309	252,453
Mediterranean Europe	South Africa	534	1,006	3,659
* Europe	Asia	1,065	2,396	3,993
North Africa/East Med	U.S. East Coast	2,700	4,991	18,151
North Africa/East Med	Canada East Coast	28	0	0
North Africa/East Med	North Europe	24,095	35,882	86,727
North Africa/East Med	Mediterranean Europe	71,086	54,870	128,053
North Africa/East Med	Australia	214	386	907
North Africa/East Med	Other Oceania	12	0	0
Saudi Arabia	North Europe	1	0	0
Saudi Arabia	Mediterranean Europe	28	0	0
Saudi Arabia	Australia	27	0	0
Other Middle East	North Europe	123	61	122
Other Middle East	Mediterranean Europe	1,495	0	0
South Asia	U.S. East Coast	15,763	23,634	84,449
South Asia	U.S. Gulf Coast	3,088	4,630	16,546
South Asia	Canada	7	0	0
South Asia	North Europe	63,238	28,649	47,289
South Asia	Mediterranean Europe	6,401	13,500	22,327
South Asia	Japan	7,041	1,286	1,695
South Asia	Australia	240	348	821
South Asia	Other Oceania	187	262	776
Thailand	U.S. East Coast	38	60	143
Thailand	North Europe	1,684	2,224	3,848
Thailand	Mediterranean Europe	238	37	197
Thailand	Japan	6,615	16,319	22,495
Thailand	Australia	738	965	2,155
Thailand	Other Oceania	82	176	188
Southeast Asia NEC	U.S. West Coast	321,001	346,245	771,499
Southeast Asia NEC	Canada	48,400	21,597	50,775
Southeast Asia NEC	North Europe	1,776,526	4,271,413	6,574,182
Southeast Asia NEC	Mediterranean Europe	531,810	503,149	846,388
Southeast Asia NEC	Japan	383,029	448,733	526,635
Southeast Asia NEC	Australia	81,694	34,246	74,825
Southeast Asia NEC	Other Oceania	19,103	19,005	47,564
Singapore	U.S. East Coast	729	1,099	2,407
Singapore	U.S. Gulf Coast	7,485	11,306	24,734
Singapore	U.S. West Coast	1	2	3
Singapore	Canada	258	54	119
Singapore	North Europe	5,509	12,667	22,013
Singapore	Mediterranean Europe	850	832	3,230
Singapore	Japan	15,587	37,108	40,553
Singapore	Australia	7,940	20,920	23,195
Singapore	Other Oceania	1,265	3,987	11,091
Other Far East Asia	U.S. West Coast	18	28	75
Other Far East Asia	Canada West Coast	55	96	158
Other Far East Asia	North Europe	37,895	73,995	110,040
Other Far East Asia	Mediterranean Europe	14,377	53,477	99,719
Other Far East Asia	Japan	12,266	9,271	13,090
Other Far East Asia	Australia	1,136	1,279	2,943
Other Far East Asia	Other Oceania	308	457	1,405
Japan	U.S. West Coast	1,369	2,191	2,145
Japan	Canada West Coast	492	1,606	1,761
Japan	Chile	19	0	0
Japan	W. South America NEC	10	14	19
Japan	North Europe	173,955	500,627	351,169
Japan	Mediterranean Europe	123	587	388
Japan	Other Middle East	5	6	11
Japan	South Asia	52	93	143
Japan	Thailand	3,650	2,224	489
Japan	Southeast Asia NEC	11,819	4,192	5,062
Japan	Singapore	3,648	1,543	1,685
Japan	Other Far East Asia	29,950	86,691	105,541
Japan	Australia	531	702	720

Table 1.22 (cont'd.)

Japan	Other Oceania	143	250	292
Japan	East Africa	5	0	0
Japan	South Africa	11,079	12,130	20,457
* Asia	Europe	41,408	110,975	86,958
Australia	U.S. East Coast	32	58	92
Australia	Canada West Coast	19	0	0
Australia	Mexico West Coast	290	412	897
Australia	Argentina	50	59	134
Australia	North Europe	2,359	3,626	3,894
Australia	Mediterranean Europe	7,516	21	23
Australia	Saudi Arabia	5	0	0
Australia	Other Middle East	55	275	1,046
Australia	South Asia	4,852	7,160	8,564
Australia	Thailand	1,895	10,314	20,713
Australia	Southeast Asia NEC	929	689	1,301
Australia	Singapore	7,136	1,541	1,709
Australia	Other Far East Asia	43,003	153,524	348,897
Australia	Japan	29,932	110,107	108,463
Australia	Other Oceania	11,805	7,302	10,657
Australia	East Africa	16,693	93,787	321,988
Australia	South Africa	200	179	531
Other Oceania	Canada West Coast	10	0	0
Other Oceania	Mexico West Coast	219	395	1,123
Other Oceania	Carib./Cent. America WC	80	35	88
Other Oceania	Chile	296	0	0
Other Oceania	Mediterranean Europe	1,893	1,516	1,946
Other Oceania	Other Middle East	523	0	0
Other Oceania	South Asia	2,650	6,276	20,158
Other Oceania	Thailand	1,705	693	1,466
Other Oceania	Southeast Asia NEC	348	286	628
Other Oceania	Singapore	2,262	2,674	6,350
Other Oceania	Other Far East Asia	51,536	137,778	397,454
Other Oceania	Japan	710	2,900	3,732
Other Oceania	Australia	11,270	15,066	27,002
Other Oceania	Other Oceania	7,567	3,522	8,228
Other Oceania	West Africa	514	0	0
Other Oceania	East Africa	17,741	17,692	67,357
West Africa	U.S. East Coast	2	5	21
West Africa	Canada East Coast	15	21	90
West Africa	North Europe	261,918	745,428	1,824,114
West Africa	Mediterranean Europe	48,630	34,450	55,067
West Africa	Japan	1,379	13,672	46,593
East Africa	Canada	4	1	11
East Africa	North Europe	605	2,472	7,947
East Africa	Mediterranean Europe	27,196	65,701	164,145
East Africa	Japan	491	941	2,188
East Africa	Australia	19	58	232
South Africa	North Europe	1,282	2,963	8,021
South Africa	Mediterranean Europe	29	0	0
DETAILED, POTENTIAL TRADE				
U.S. East Coast	Mexico West Coast	7,825	12,364	22,173
U.S. East Coast	Colombia West Coast	104	29	50
U.S. East Coast	Chile	12	3	6
U.S. East Coast	W. South America NEC	9	3	4
U.S. East Coast	Other Far East Asia	105	524	816
U.S. East Coast	Japan	23,008	114,825	178,834
U.S. East Coast	Australia	52	226	398
U.S. East Coast	Other Oceania	34	89	177
U.S. Gulf Coast	Mexico West Coast	48,710	76,962	138,028
U.S. Gulf Coast	Colombia West Coast	56,532	15,829	27,135
U.S. Gulf Coast	Chile	1,113	312	534
U.S. Gulf Coast	W. South America NEC	35,271	9,876	16,930
U.S. Gulf Coast	Southeast Asia NEC	1,519	7,581	11,807
U.S. Gulf Coast	Other Far East Asia	12,321	61,490	95,767
U.S. Gulf Coast	Japan	4,903	24,469	38,110
U.S. Gulf Coast	Australia	15	65	115

Table 1.22 (cont'd.)

U.S. Gulf Coast	Other Oceania	1,368	3,588	7,163
U.S. West Coast	U.S. East Coast	12,490	25,105	48,960
U.S. West Coast	North Europe	9,091	19,000	19,453
U.S. West Coast	Mediterranean Europe	1,304	2,725	2,790
U.S. West Coast	West Africa	993	1,978	6,338
Canada East Coast	U.S. West Coast	170	672	1,177
Canada East Coast	Mexico West Coast	12	11	25
Canada East Coast	Carib./Cent. America WC	759	699	1,640
Canada East Coast	Colombia West Coast	0	0	0
Canada West Coast	Venezuela	84	0	0
Canada East Coast	Chile	6	9	22
Canada West Coast	Brazil	660	0	0
Canada East Coast	W. South America NEC	1,222	1,934	4,753
Canada West Coast	North Europe	15,320	38,772	47,660
Canada West Coast	Mediterranean Europe	3,285	11,912	16,867
Canada East Coast	Other Far East Asia	146	811	2,236
Canada East Coast	Japan	1,023	1,151	1,163
Canada East Coast	Australia	0	0	0
Canada East Coast	Other Oceania	1	1	2
Mexico East Coast	Japan	340	796	1,284
Carib./Cent. America EC	Japan	24	56	91
Carib./Cent. America EC	Carib./Cent. America WC	4,911	10,656	19,888
Carib./Cent. America WC	U.S. East Coast	2,986	598	1,380
Carib./Cent. America WC	Carib./Cent. America EC	13,926	28,241	54,421
Carib./Cent. America WC	Europe	5,907	10,002	13,407
Colombia West Coast	North Europe	1,035	2,329	3,954
Venezuela	Japan	2,418	0	0
Chile	North Europe	100,019	225,043	382,104
Chile	Mediterranean Europe	916	2,061	3,499
Brazil	Japan	5,204	9,926	12,624
Brazil	Australia	2,385	3,793	9,049
Brazil	Other Oceania	62	86	220
W. South America NEC	U.S. Gulf Coast	2,793	2,503	5,044
W. South America NEC	North Europe	18,614	41,882	71,111
South America East Coas	U.S. West Coast	34,242	80,203	129,288
South America East Coas	Carib./Cent. America WC	16,303	35,377	66,027
South America West Coas	Carib./Cent. America EC	35,151	75,417	141,500
South America West Coas	South America East Coas	32,049	69,546	129,798
North Europe	U.S. West Coast	11,997	24,839	40,114
North Europe	Chile	2,865	4,412	9,070
North Europe	W. South America NEC	4,017	6,186	12,718
Mediterranean Europe	U.S. West Coast	528	1,362	1,463
Mediterranean Europe	Chile	52	80	165
Mediterranean Europe	W. South America NEC	181	279	573
Europe	Carib./Cent. America WC	6,961	12,391	25,340
Europe	Oceania	11,698	17,078	27,723
Southeast Asia NEC	U.S. East Coast	187,314	294,083	703,280
Southeast Asia NEC	U.S. Gulf Coast	246,219	386,564	924,442
Other Far East Asia	U.S. East Coast	53	83	199
Other Far East Asia	Canada East Coast	327	570	934
Japan	U.S. East Coast	150	236	563
Japan	Canada East Coast	2,911	9,503	10,420
Japan	Mexico East Coast	14	14	21
Japan	Carib./Cent. America EC	48	0	0
Japan	Colombia East Coast	7	2	3
Japan	Brazil	9	104	153
Australia	Brazil	169	313	682
Oceania	Europe	4,595	4,643	6,110
Total Trade (all routes)		9,722,959	19,020,493	35,819,038
Total Potential Trade		998,867	1,794,267	3,499,798

Table 1.22 (cont'd.)

69 ROUTES, POTENTIAL TRADE				
ASIA	CANADA EAST COAST	3,238	10,072	11,354
ASIA	CENTRAL AMERICA E.C., W	62	14	21
ASIA	S. AMERICA E.C.	16	106	156
ASIA	U.S. EAST COAST	433,736	680,966	1,628,484
C. AMERICA W.C.	CENTRAL AMERICA E.C., W	13,926	28,241	54,421
C. AMERICA W.C.	EUROPE	5,907	10,002	13,407
C. AMERICA W.C.	U.S. EAST COAST	2,986	598	1,380
CANADA EAST COAST	ASIA	1,170	1,961	3,400
CANADA EAST COAST	C. AMERICA W.C.	771	709	1,665
CANADA EAST COAST	OCEANIA	1	1	2
CANADA EAST COAST	S. AMERICA W.C.	1,228	1,942	4,775
CANADA EAST COAST	U.S. W.C., HAWAII	170	672	1,177
CANADA WEST COAST	EUROPE	18,605	50,683	64,527
CANADA WEST COAST	S. AMERICA E.C.	744	0	0
CENTRAL AMERICA E.C., W	ASIA	364	853	1,374
CENTRAL AMERICA E.C., W	C. AMERICA W.C.	4,911	10,656	19,888
EUROPE	C. AMERICA W.C.	6,961	12,391	25,340
EUROPE	OCEANIA	11,698	17,078	27,723
EUROPE	S. AMERICA W.C.	7,115	10,957	22,526
EUROPE	U.S. W.C., HAWAII	12,525	26,201	41,577
OCEANIA	EUROPE	4,595	4,643	6,110
OCEANIA	S. AMERICA E.C.	169	313	682
S. AMERICA E.C.	ASIA	7,622	9,926	12,624
S. AMERICA E.C.	OCEANIA	2,447	3,879	9,269
S. AMERICA E.C.	C. AMERICA W.C.	16,303	35,377	66,027
S. AMERICA E.C.	U.S. W.C., HAWAII	34,242	80,203	129,288
S. AMERICA W.C.	EUROPE	120,584	271,314	460,668
S. AMERICA W.C.	U.S. EAST COAST	2,793	2,503	5,044
S. AMERICA W.C.	CENTRAL AMERICA E.C., W	35,151	75,417	141,500
S. AMERICA W.C.	S. AMERICA E.C.	32,049	69,546	129,798
U.S. EAST COAST	ASIA	41,856	208,888	325,334
U.S. EAST COAST	C. AMERICA W.C.	56,535	89,325	160,201
U.S. EAST COAST	OCEANIA	1,469	3,968	7,853
U.S. EAST COAST	S. AMERICA W.C.	93,041	26,051	44,660
U.S. W.C., HAWAII	AFRICA	993	1,978	6,338
U.S. W.C., HAWAII	EUROPE	10,395	21,726	22,244
U.S. W.C., HAWAII	U.S. EAST COAST	12,490	25,105	48,960
TOTAL		998,867	1,794,267	3,499,798
69 ROUTES, NON-POTENTIAL TRADE				
U.S. East Coast	Asia	374,756	1,202,232	2,905,002
South America East Coas	Asia	5,174	2,808	2,973
South America East Coas	Oceania	41,234	44,912	96,879
Europe	Asia	495,112	825,872	1,631,807
Europe	Oceania	11,947	16,142	21,494
Africa	Asia	1,870	14,613	48,781
Africa	Oceania	245	444	1,139
Asia	U.S. East Coast	27,103	40,729	128,279
Asia	Europe	2,654,014	5,572,132	8,167,748
Oceania	U.S. East Coast	32	58	92
Oceania	Europe	11,768	5,163	5,863
TOTAL		3,623,255	7,725,105	13,010,057
TOTAL BILATERAL TRADE (69 ROUTES)		4,622,122	9,519,372	16,509,855

Table 1.23

Fertilizers

Origin	Destination	1990 Tonnes	2020 Tonnes	2060 Tonnes
DETAILED, NON-POTENTIAL TRADE				
U.S. East Coast	Canada East Coast	79,235	69,687	69,687
U.S. East Coast	Venezuela	83,775	86,505	86,505
U.S. East Coast	Brazil	256,394	118,213	118,213
U.S. East Coast	Argentina	1,355	717	717
U.S. East Coast	E. South America NEC	298	55	55
U.S. East Coast	North Europe	1,974,511	4,232,409	4,232,409
U.S. East Coast	Mediterranean Europe	224,824	257,466	257,466
U.S. East Coast	North Africa/East Med	5,384	38,423	38,423
U.S. East Coast	Saudi Arabia	376	849	849
U.S. East Coast	Other Middle East	210,024	2,376,155	2,376,155
U.S. East Coast	South Asia	404,364	1,700,078	1,700,078
U.S. East Coast	Thailand	13,621	3,242	3,242
U.S. East Coast	Singapore	2,218	862	862
U.S. East Coast	West Africa	1,150	4,680	4,680
U.S. East Coast	East Africa	36,513	149,743	149,743
U.S. Gulf Coast	Canada East Coast	52,677	4,310	0
U.S. Gulf Coast	Venezuela	153,588	14,753	0
U.S. Gulf Coast	Brazil	453,632	19,456	0
U.S. Gulf Coast	Argentina	117,780	5,800	0
U.S. Gulf Coast	E. South America NEC	72,414	1,240	0
U.S. Gulf Coast	North Europe	3,253,266	560,882	0
U.S. Gulf Coast	Mediterranean Europe	942,823	132,218	0
U.S. Gulf Coast	North Africa/East Med	3,328	1,399	0
U.S. Gulf Coast	Saudi Arabia	84,341	17,648	0
U.S. Gulf Coast	Other Middle East	131,005	137,820	0
U.S. Gulf Coast	South Asia	2,373,287	812,074	0
U.S. Gulf Coast	Singapore	129	4	0
U.S. Gulf Coast	West Africa	24,419	9,317	0
U.S. Gulf Coast	East Africa	124,504	47,498	0
U.S. Gulf Coast	South Africa	100,450	65,100	0
U.S. West Coast	Canada West Coast	26,818	18,284	18,732
U.S. West Coast	Carib./Cent. America WC	891	1,289	2,706
U.S. West Coast	Chile	26,427	47,846	64,331
U.S. West Coast	Argentina	18	7	15
U.S. West Coast	W. South America NEC	18,680	20,752	28,912
U.S. West Coast	Saudi Arabia	3,484	6,078	24,364
U.S. West Coast	Other Middle East	35	77	199
U.S. West Coast	South Asia	35,457	118,871	328,456
U.S. West Coast	Thailand	1,663	697	1,429
U.S. West Coast	Southeast Asia NEC	18,759	10,714	20,446
U.S. West Coast	Singapore	920	277	579
U.S. West Coast	Other Far East Asia	831,502	1,588,495	3,857,728
U.S. West Coast	Japan	154,465	65,653	41,513
U.S. West Coast	Australia	41,252	34,446	58,731
U.S. West Coast	Other Oceania	1,843	2,660	5,374
Canada East Coast	U.S. East Coast	1,200,747	1,140,189	1,151,046
Canada East Coast	U.S. Gulf Coast	230,336	218,719	220,802
Canada West Coast	U.S. West Coast	69,997	66,467	67,098
Canada East Coast	North Europe	376,556	1,287,300	2,219,733
Canada East Coast	Mediterranean Europe	58,442	86,447	119,748
Canada East Coast	Saudi Arabia	35	148	776
Canada West Coast	South Asia	223	975	3,143
Canada West Coast	Thailand	4,136	0	0
Canada West Coast	Southeast Asia NEC	1,885	3,531	5,440
Canada West Coast	Singapore	48	23	47
Canada West Coast	Other Far East Asia	2,042	3,797	10,543
Canada West Coast	Japan	741	1,298	1,313
Canada West Coast	Australia	160,461	350,977	731,621
Canada West Coast	Other Oceania	127,032	277,194	726,827
Canada East Coast	North Africa/East Med	220	236	631
Canada East Coast	West Africa	3,701	31,392	152,427

Table 1.23 (cont'd.)

Canada East Coast	South Africa	53	39	108
Mexico East Coast	U.S. Gulf Coast	126,009	59,352	160,407
Mexico East Coast	North Europe	214	615	852
Carib./Cent. America ECU.S. East Coast		39,513	29,076	29,580
Carib./Cent. America ECU.S. Gulf Coast		79,375	58,407	59,422
Carib./Cent. America ECNorth Europe		62,059	102,538	197,550
Carib./Cent. America ECMediterranean Europe		2,162	0	0
Carib./Cent. America WCAustralia		23,318	0	0
Colombia East Coast	U.S. East Coast	21	0	0
Venezuela	U.S. East Coast	30,782	15,805	34,557
Venezuela	U.S. Gulf Coast	62,657	32,173	70,340
Chile	U.S. West Coast	2,548	2,146	5,408
Chile	Japan	18,238	17,412	21,114
Chile	Australia	2,362	3,054	3,127
Brazil	U.S. East Coast	3,495	5,591	13,257
Brazil	U.S. Gulf Coast	13,656	21,845	51,797
Brazil	North Europe	52,058	155,391	307,651
Brazil	Mediterranean Europe	862	1,896	2,543
Argentina	Mediterranean Europe	2,092	0	0
Argentina	Japan	43	0	0
E. South America NEC	U.S. East Coast	57	0	0
North Europe	U.S. East Coast	367,304	789,234	1,215,375
North Europe	U.S. Gulf Coast	238,277	690,997	1,037,007
North Europe	Canada East Coast	162,311	321,133	514,864
North Europe	Colombia East Coast	3,684	2,747	4,088
North Europe	Venezuela	71	89	150
North Europe	Brazil	277,984	454,087	678,316
North Europe	Argentina	1,749	1,687	2,513
North Europe	E. South America NEC	9,273	19,789	27,604
North Europe	North Africa/East Med	193,797	825,057	1,893,950
North Europe	Saudi Arabia	94,697	144,065	264,280
North Europe	Other Middle East	38,224	29,274	63,152
North Europe	South Asia	591,363	2,712,798	5,048,974
North Europe	Thailand	226,795	945,678	1,500,422
North Europe	Southeast Asia NEC	115,598	324,606	509,169
North Europe	Singapore	53,422	71,158	95,907
North Europe	Other Far East Asia	662,013	2,437,714	4,503,811
North Europe	Japan	129,898	150,371	109,437
North Europe	Australia	39,281	43,593	61,994
North Europe	West Africa	131,425	286,553	833,718
North Europe	East Africa	280,161	1,737,130	5,718,185
North Europe	South Africa	75,961	169,006	413,574
Mediterranean Europe	U.S. East Coast	169,578	43,271	149,831
Mediterranean Europe	U.S. Gulf Coast	77,298	139,226	168,708
Mediterranean Europe	Canada East Coast	27	43	49
Mediterranean Europe	Colombia East Coast	71	0	0
Mediterranean Europe	Venezuela	26,575	14,811	19,386
Mediterranean Europe	Brazil	277,067	113,530	198,609
Mediterranean Europe	Argentina	609	253	356
Mediterranean Europe	E. South America NEC	63	22	31
Mediterranean Europe	North Africa/East Med	240,933	409,612	1,341,514
Mediterranean Europe	Saudi Arabia	1,697	3,970	11,767
Mediterranean Europe	Other Middle East	59,185	1,778	3,130
Mediterranean Europe	South Asia	15,851	89,071	205,338
Mediterranean Europe	Thailand	17,920	5,667	7,184
Mediterranean Europe	Southeast Asia NEC	28,153	25,151	81,809
Mediterranean Europe	Singapore	17	4	6
Mediterranean Europe	Other Far East Asia	294,699	460,467	1,075,824
Mediterranean Europe	Japan	2,541	1,331	980
Mediterranean Europe	Australia	534	798	960
Mediterranean Europe	Other Oceania	562	5	8
Mediterranean Europe	West Africa	103,263	120,090	446,687
Mediterranean Europe	East Africa	42,687	11,973	28,341
Mediterranean Europe	South Africa	254	208	525
* Europe	Asia	16,500	49,347	81,000
North Africa/East Med	U.S. East Coast	222,155	68,678	76,391
North Africa/East Med	U.S. Gulf Coast	584,306	3,977,751	16,399,524

Table 1.22 (continued)

North Africa/East Med	Canada East Coast	15	26	69
North Africa/East Med	North Europe	8,737,002	18,783,586	46,275,518
North Africa/East Med	Mediterranean Europe	5,572,991	12,529,097	35,289,701
North Africa/East Med	Japan	445,710	1,452,587	2,742,115
North Africa/East Med	Australia	129,290	207,184	644,619
North Africa/East Med	Other Oceania	224,925	427,290	1,518,108
Saudi Arabia	U.S. East Coast	19,968	47,263	223,249
Saudi Arabia	Canada	21,893	0	0
Saudi Arabia	North Europe	1,668	4,289	7,863
Saudi Arabia	Mediterranean Europe	1,995	0	0
Saudi Arabia	Japan	4	0	0
Other Middle East	North Europe	13,375	23,510	48,348
Other Middle East	Mediterranean Europe	73,283	74,466	147,510
Other Middle East	Japan	133	176	210
South Asia	North Europe	164	0	0
South Asia	Mediterranean Europe	35	8	14
South Asia	Japan	785	372	474
Thailand	North Europe	1	0	0
Thailand	Japan	69	0	0
Southeast Asia NEC	U.S. West Coast	1	0	0
Southeast Asia NEC	North Europe	33,279	387	473
Southeast Asia NEC	Mediterranean Europe	13,390	0	0
Southeast Asia NEC	Japan	7,714	19,991	25,076
Southeast Asia NEC	Australia	41,415	52,563	125,896
Southeast Asia NEC	Other Oceania	300	0	0
Singapore	Mediterranean Europe	62	0	0
Singapore	Japan	181	391	484
Singapore	Australia	251	753	886
Singapore	Other Oceania	36	18	26
Other Far East Asia	U.S. East Coast	519	1,071	2,639
Other Far East Asia	U.S. West Coast	16,174	39,208	88,027
Other Far East Asia	Canada West Coast	167	0	0
Other Far East Asia	North Europe	2,029	714	1,574
Other Far East Asia	Mediterranean Europe	8	0	0
Other Far East Asia	Japan	66,129	160,765	224,507
Other Far East Asia	Australia	3,755	2,355	5,438
Other Far East Asia	Other Oceania	683	1,555	4,292
Japan	U.S. East Coast	4,088	3,259	3,117
Japan	U.S. West Coast	4,418	3,521	3,370
Japan	Canada West Coast	2	6	6
Japan	North Europe	1,258	4,069	2,809
Japan	Mediterranean Europe	115	202	168
Japan	North Africa/East Med	14	2	3
Japan	Saudi Arabia	16	70	180
Japan	Other Middle East	368	132	167
Japan	South Asia	152	361	499
Japan	Thailand	245	402	504
Japan	Southeast Asia NEC	810	379	439
Japan	Singapore	44	86	109
Japan	Other Far East Asia	3,366	9,843	13,067
Japan	Australia	163	199	216
Japan	Other Oceania	98	14	16
Japan	West Africa	26	59	61
Japan	East Africa	75	546	1,278
Japan	South Africa	2	1	3
Australia	U.S. West Coast	1	5	11
Australia	North Europe	132	2	2
Australia	Other Middle East	30	114	392
Australia	South Asia	1	0	0
Australia	Thailand	18	8	16
Australia	Southeast Asia NEC	22,312	71,943	183,039
Australia	Singapore	151	34	36
Australia	Other Far East Asia	35,636	130,633	366,156
Australia	Japan	33	0	0
Australia	Other Oceania	13,346	15,943	33,485
Australia	East Africa	2	0	0
Australia	South Africa	46	164	670

Table 1.23 (cont'd.)

	Other Oceania	U.S. East Coast	34	268	663
	Other Oceania	Chile	12,100	0	0
	Other Oceania	North Europe	23	56	129
	Other Oceania	Southeast Asia NEC	144	151	377
	Other Oceania	Singapore	45	121	365
	Other Oceania	Other Far East Asia	412	2,497	6,620
	Other Oceania	Japan	23	248	352
	Other Oceania	Australia	828,720	457,048	1,291,775
	Other Oceania	Other Oceania	186,466	46,103	107,796
	Other Oceania	East Africa	4,060	0	0
	West Africa	U.S. East Coast	11,024	13,853	51,426
	West Africa	Canada East Coast	55,772	35,277	154,546
	West Africa	North Europe	632,313	541,063	1,670,623
	West Africa	Mediterranean Europe	923,538	3,305,159	10,467,955
	West Africa	Japan	56,005	270,459	987,212
	West Africa	Australia	58,129	30,342	94,569
	East Africa	North Europe	18,588	0	0
	East Africa	Mediterranean Europe	3,916	1	0
	East Africa	Australia	682	0	0
	South Africa	U.S. East Coast	414	0	0
	South Africa	U.S. Gulf Coast	2,486	0	0
	South Africa	North Europe	783,350	1,731,048	4,926,443
	South Africa	Mediterranean Europe	53,629	144,321	597,338
	South Africa	Japan	249,104	252,461	899,811
	South Africa	Australia	30,083	0	0
	South Africa	Other Oceania	42	0	0
*	Africa	Oceania	127,162	254,324	1,293,000
	DETAILED, POTENTIAL TRADE				
	U.S. East Coast	Canada West Coast	67,960	16,292	16,292
	U.S. East Coast	Mexico West Coast	38,691	9,266	9,266
	U.S. East Coast	Carib./Cent. America WC	287,195	68,778	68,778
	U.S. East Coast	Colombia West Coast	3,250	777	777
	U.S. East Coast	Chile	28,400	6,786	6,786
	U.S. East Coast	W. South America NEC	9,527	2,277	2,277
	U.S. East Coast	Southeast Asia NEC	85,352	20,313	20,313
	U.S. East Coast	Other Far East Asia	404,204	96,196	96,196
	U.S. East Coast	Japan	848	202	202
	U.S. East Coast	Australia	2,079	495	495
	U.S. East Coast	Other Oceania	336,755	80,141	80,141
	U.S. Gulf Coast	Canada West Coast	45,182	1,008	0
	U.S. Gulf Coast	Mexico West Coast	365,683	8,146	0
	U.S. Gulf Coast	Carib./Cent. America WC	494,995	8,146	0
	U.S. Gulf Coast	Colombia West Coast	307,601	6,837	0
	U.S. Gulf Coast	Chile	297,612	6,615	0
	U.S. Gulf Coast	W. South America NEC	98,989	2,200	0
	U.S. Gulf Coast	Thailand	58,361	1,292	0
	U.S. Gulf Coast	Southeast Asia NEC	184,353	4,081	0
	U.S. Gulf Coast	Other Far East Asia	3,869,352	85,662	0
	U.S. Gulf Coast	Japan	1,752,711	38,802	0
	U.S. Gulf Coast	Australia	982,934	21,760	0
	U.S. Gulf Coast	Other Oceania	44,156	978	0
	U.S. West Coast	North Africa/East Med	440	1,111	3,493
	Canada West Coast	Mexico East Coast	110	117	304
	Canada West Coast	Carib./Cent. America EC	25,180	65,770	161,671
	Canada West Coast	Colombia East Coast	106	245	605
	Canada West Coast	Venezuela	21	3	7
	Canada West Coast	Brazil	406	843	1,037
	Canada East Coast	South America West Coas	68,536	140,951	405,000
	Canada West Coast	Mediterranean Europe	3,173	4,694	6,502
	Canada East Coast	Other Far East Asia	2,180	4,053	11,254
	Canada East Coast	Japan	791	1,386	1,402
	Canada East Coast	Australia	10,825	18,802	43,871
	Canada East Coast	Other Oceania	8,570	14,885	34,731
	Carib./Cent. America EC	Carib./Cent. America WC	307,410	745,034	1,816,585
	Carib./Cent. America WC	Carib./Cent. America EC	256,167	615,766	1,434,444
	Carib./Cent. America EC	South America West Coas	145,976	358,471	846,000

Table 1.23 (cont'd.)

Carib./Cent. America WC	South America East Coas	4,675	10,716	21,071
Carib./Cent. America EC	Asia	173,707	112,787	137,292
Chile	U.S. East Coast	78,241	54,345	107,919
Chile	U.S. Gulf Coast	124,280	86,323	171,421
Chile	Canada East Coast	4,332	5,594	12,964
Chile	North Europe	85,868	231,183	394,846
Chile	Mediterranean Europe	30,130	81,119	138,546
W. South America NEC	North Europe	777	2,092	3,573
W. South America NEC	Mediterranean Europe	162	436	745
South America East Coas	Carib./Cent. America WC	12,150	22,202	39,000
South America West Coas	Carib./Cent. America EC	3,159	6,819	11,891
South America East Coas	South America West Coas	98,563	205,475	406,000
South America West Coas	South America East Coas	256,000	627,306	0
South America East Coas	Asia	148,959	284,345	288,000
North Europe	U.S. West Coast	301,765	618,104	973,021
North Europe	Canada West Coast	16,737	17,409	21,000
North Europe	Mexico West Coast	1,098	475	458
North Europe	Carib./Cent. America WC	212,669	428,590	738,393
North Europe	Chile	53,368	95,501	190,065
North Europe	W. South America NEC	3,927	7,027	13,986
North Europe	Other Oceania	42,227	83,882	132,642
Mediterranean Europe	U.S. West Coast	49,846	102,099	160,725
Mediterranean Europe	Mexico West Coast	1	0	0
Mediterranean Europe	Carib./Cent. America EC	10,644	14,612	25,980
Mediterranean Europe	W. South America NEC	364	651	1,296
North Africa/East Med	Canada West Coast	217	374	2,109
Middle East	South America West Coas	35,138	52,140	104,000
Asia	Carib./Cent. America EC	7,251	2,613	2,329
Asia	South America East Coas	1,165	12,605	18,722
West Africa	Canada West Coast	810,255	1,394,439	7,872,476
Africa	Carib./Cent. America WC	224,813	548,544	1,362,367
Africa	South America West Coas	51,677	128,102	313,240
Total Trade (all routes)		53,972,785	83,306,117	193,928,392
Total Potential Trade		13,440,246	7,697,090	18,734,503

69 ROUTES, POTENTIAL TRADE

AFRICA	CANADA WEST COAST	810,472	1,394,812	7,874,585
AFRICA	C. AMERICA W.C.	224,813	548,544	1,362,367
AFRICA	S. AMERICA W.C.	51,677	128,102	313,240
ASIA	CENTRAL AMERICA E.C., W	7,251	2,613	2,329
ASIA	S. AMERICA E.C.	1,165	12,605	18,722
C. AMERICA W.C.	CENTRAL AMERICA E.C., W	256,167	615,766	1,434,444
C. AMERICA W.C.	S. AMERICA E.C.	4,675	10,716	21,071
CANADA EAST COAST	ASIA	2,971	5,439	12,656
CANADA EAST COAST	OCEANIA	19,395	33,687	78,602
CANADA EAST COAST	S. AMERICA W.C.	68,536	140,951	405,000
CANADA WEST COAST	CENTRAL AMERICA E.C., W	25,290	65,887	161,975
CANADA WEST COAST	EUROPE	3,173	4,694	6,502
CANADA WEST COAST	S. AMERICA E.C.	533	1,091	1,649
CENTRAL AMERICA E.C., W	ASIA	173,707	112,787	137,292
CENTRAL AMERICA E.C., W	C. AMERICA W.C.	307,410	745,034	1,816,585
CENTRAL AMERICA E.C., W	S. AMERICA W.C.	145,976	358,471	846,000
EUROPE	CANADA WEST COAST	16,737	17,409	21,000
EUROPE	C. AMERICA W.C.	224,412	443,677	764,831
EUROPE	U.S. W.C., HAWAII	351,611	720,203	1,133,746
EUROPE	S. AMERICA W.C.	57,659	103,179	205,347
EUROPE	OCEANIA	42,227	83,882	132,642
MIDDLE EAST	S. AMERICA W.C.	35,138	52,140	104,000
S. AMERICA E.C.	ASIA	148,959	284,345	288,000
S. AMERICA E.C.	C. AMERICA W.C.	12,150	22,202	39,000
S. AMERICA E.C.	S. AMERICA W.C.	98,563	205,475	406,000
S. AMERICA W.C.	CENTRAL AMERICA E.C., W	3,159	6,819	11,891
S. AMERICA W.C.	CANADA EAST COAST	4,332	5,594	12,964
S. AMERICA W.C.	EUROPE	116,937	314,830	537,710
S. AMERICA W.C.	U.S. EAST COAST	202,521	140,667	279,339
S. AMERICA W.C.	S. AMERICA E.C.	256,000	627,306	0

Table 1.23 (cont'd.)

U.S. EAST COAST	C. AMERICA W.C.	1,186,564	94,336	78,044
U.S. EAST COAST	ASIA	6,355,181	246,548	116,711
U.S. EAST COAST	CANADA WEST COAST	113,141	17,300	16,292
U.S. EAST COAST	S. AMERICA W.C.	745,379	25,493	9,840
U.S. EAST COAST	OCEANIA	1,365,924	103,373	80,636
U.S. W.C., HAWAII	AFRICA	440	1,111	3,493
U.S. W.C., HAWAII	MIDDLE EAST	0	0	0
TOTAL		13,440,246	7,697,090	18,734,504
69 ROUTES, NON-POTENTIAL TRADE				
U.S. East Coast	Asia	2,793,619	2,516,260	1,704,181
U.S. W.C., Hawaii	South America East Coas	18	7	15
South America East Coas	Asia	43	0	0
Europe	Asia	2,154,770	7,273,363	13,219,861
Europe	Oceania	40,377	44,396	62,962
Africa	Asia	750,819	1,975,507	4,629,138
Africa	Oceania	570,313	919,140	3,550,296
Asia	Europe	50,341	5,380	5,038
Oceania	Europe	155	58	131
TOTAL		6,360,455	12,734,111	23,171,622
TOTAL BILATERAL TRADE (69 ROUTES)		19,800,701	20,431,200	41,906,127

Table 1.24

General Cargo, Total Containerizable

Origin	Destination	1990 Tonnes	2020 Tonnes	2060 Tonnes
DETAILED, NON-POTENTIAL TRADE				
U.S. East Coast	Canada East Coast	233,405	341,006	474,278
U.S. East Coast	Mexico East Coast	15,790	16,377	36,904
U.S. East Coast	Carib./Cent. America EC	1,478,130	4,263,730	8,944,669
U.S. East Coast	Colombia East Coast	166,868	307,839	700,972
U.S. East Coast	Venezuela	413,757	201,656	384,681
U.S. East Coast	Brazil	275,421	219,241	441,824
U.S. East Coast	Argentina	103,936	50,439	103,547
U.S. East Coast	E. South America NEC	30,939	116,995	261,488
U.S. East Coast	North Europe	4,107,660	13,861,681	19,279,488
U.S. East Coast	Mediterranean Europe	1,398,047	4,247,559	6,452,203
U.S. East Coast	North Africa/East Med	525,294	1,778,756	5,099,517
U.S. East Coast	Saudi Arabia	346,769	787,270	2,376,216
U.S. East Coast	Other Middle East	173,190	619,902	1,914,901
U.S. East Coast	South Asia	310,140	1,117,785	2,794,332
U.S. East Coast	Thailand	177,433	223,121	369,328
U.S. East Coast	Singapore	156,486	435,726	984,991
U.S. East Coast	West Africa	117,101	271,026	899,163
U.S. East Coast	East Africa	32,859	113,528	335,892
U.S. East Coast	South Africa	158,716	498,131	1,835,605
U.S. Gulf Coast	Canada East Coast	34,533	26,527	49,463
U.S. Gulf Coast	Mexico East Coast	149,731	33,315	83,893
U.S. Gulf Coast	Carib./Cent. America EC	900,876	2,268,071	4,460,017
U.S. Gulf Coast	Colombia East Coast	189,960	390,537	893,325
U.S. Gulf Coast	Venezuela	201,428	111,387	205,760
U.S. Gulf Coast	Brazil	131,942	82,360	161,395
U.S. Gulf Coast	Argentina	61,940	36,499	74,292
U.S. Gulf Coast	E. South America NEC	5,759	20,505	44,178
U.S. Gulf Coast	North Europe	2,404,311	7,845,289	10,434,491
U.S. Gulf Coast	Mediterranean Europe	461,338	1,318,326	2,407,668
U.S. Gulf Coast	North Africa/East Med	526,325	2,075,327	6,500,544
U.S. Gulf Coast	Saudi Arabia	266,656	394,738	1,288,920
U.S. Gulf Coast	Other Middle East	200,101	645,881	1,653,797
U.S. Gulf Coast	South Asia	320,236	890,591	1,974,231
U.S. Gulf Coast	Singapore	83,172	272,259	628,566
U.S. Gulf Coast	West Africa	314,589	912,592	2,662,312
U.S. Gulf Coast	East Africa	166,502	1,085,091	2,266,670
U.S. Gulf Coast	South Africa	92,085	360,014	1,343,750
U.S. West Coast	Canada West Coast	101,740	143,818	203,784
U.S. West Coast	Colombia West Coast	14,566	11,921	26,514
U.S. West Coast	Chile	11,316	39,435	86,369
U.S. West Coast	W. South America NEC	16,948	22,810	44,321
U.S. West Coast	Saudi Arabia	19,998	19,679	93,846
U.S. West Coast	Other Middle East	19,484	79,146	214,333
U.S. West Coast	South Asia	387,410	1,990,538	4,924,193
U.S. West Coast	Thailand	322,607	377,391	716,240
U.S. West Coast	Southeast Asia NEC	1,025,097	854,502	1,564,866
U.S. West Coast	Singapore	428,658	1,062,001	2,432,382
U.S. West Coast	Other Far East Asia	5,983,702	14,289,851	27,966,643
U.S. West Coast	Japan	5,332,923	9,558,575	9,782,677
U.S. West Coast	Australia	472,919	1,257,776	2,303,909
U.S. West Coast	Other Oceania	130,546	283,292	597,428
U.S. West Coast	East Africa	5,672	11,322	37,003
Canada East Coast	U.S. East Coast	753,051	1,982,858	3,271,109
Canada East Coast	U.S. Gulf Coast	51,049	108,795	194,475
Canada West Coast	U.S. West Coast	57,105	140,241	252,217
Canada East Coast	Mexico East Coast	134,422	263,891	649,612
Canada West Coast	Carib./Cent. America WC	255,885	277,016	647,569
Canada West Coast	Chile	3,545	7,208	17,217
Canada West Coast	W. South America NEC	8,227	8,389	20,340
Canada East Coast	Colombia East Coast	85,655	235,064	566,199
Canada West Coast	Colombia West Coast	26,386	72,410	174,414

Table 1.24 (cont'd.)

Canada East Coast	Venezuela	103,455	76,186	166,370
Canada East Coast	Brazil	70,241	77,562	225,453
Canada East Coast	Argentina	7,499	2,079	4,374
Canada East Coast	E. South America NEC	21,947	26,913	62,639
Canada East Coast	North Europe	2,298,314	4,812,568	6,385,443
Canada East Coast	Mediterranean Europe	792,820	2,052,787	2,748,161
Canada East Coast	Saudi Arabia	36,448	107,562	242,806
Canada East Coast	Other Middle East	67,847	113,642	375,617
Canada West Coast	South Asia	168,799	332,046	781,194
Canada West Coast	Other Far East Asia	508,110	1,666,204	3,926,948
Canada West Coast	Thailand	115,655	108,822	223,393
Canada West Coast	Southeast Asia NEC	199,122	263,869	620,231
Canada West Coast	Singapore	59,673	52,391	122,424
Canada West Coast	Japan	1,442,267	3,192,335	3,381,249
Canada West Coast	Australia	168,030	279,272	528,792
Canada West Coast	Other Oceania	34,364	52,899	114,001
Canada East Coast	East Africa	43,884	164,834	538,049
Canada East Coast	North Africa/East Med	146,871	546,195	2,228,858
Canada East Coast	West Africa	41,448	355,796	1,362,839
Canada East Coast	South Africa	14,872	28,010	109,415
Mexico East Coast	U.S. East Coast	19,829	22,544	51,537
Mexico East Coast	U.S. Gulf Coast	92,528	106,809	239,324
Mexico West Coast	U.S. West Coast	54,208	74,668	149,220
Mexico East Coast	Canada East Coast	183,038	327,984	769,742
Mexico West Coast	Canada West Coast	53,567	95,987	225,271
Mexico East Coast	North Europe	440,419	1,025,641	1,665,027
Mexico East Coast	Mediterranean Europe	188,687	239,185	398,562
Mexico West Coast	Australia	8,194	9,379	21,641
Mexico West Coast	Other Oceania	9,574	23,345	70,064
Carib./Cent. America	ECU.S. East Coast	606,872	949,124	1,913,549
Carib./Cent. America	ECU.S. Gulf Coast	169,788	244,312	535,210
Carib./Cent. America	WCU.S. West Coast	15,098	7,946	20,438
Carib./Cent. America	ECCanada East Coast	53,746	29,223	63,516
Carib./Cent. America	ECNorth Europe	735,200	745,919	1,139,416
Carib./Cent. America	ECMediterranean Europe	164,692	161,464	201,850
Carib./Cent. America	WCAustralia	7,093	16,594	28,365
Carib./Cent. America	WCOther Oceania	1,693	1,678	4,224
Colombia East Coast	Canada East Coast	22,562	24,806	56,532
Colombia West Coast	Canada West Coast	6,603	7,260	16,544
Colombia East Coast	North Europe	449,952	738,227	949,896
Colombia East Coast	Mediterranean Europe	91,062	212,190	316,695
Colombia West Coast	Japan	67,233	141,697	178,361
Colombia West Coast	Australia	1,605	2,034	4,329
Colombia West Coast	Other Oceania	220	426	1,131
Venezuela	U.S. East Coast	791,036	698,561	1,192,615
Venezuela	U.S. Gulf Coast	70,912	66,243	128,854
Venezuela	Canada East Coast	5,049	5,401	12,216
Venezuela	North Europe	111,957	322,771	527,614
Venezuela	Mediterranean Europe	75,566	121,606	249,994
Chile	U.S. West Coast	15,544	36,686	97,569
Chile	Canada West Coast	2,788	1,384	2,992
Chile	Japan	499,085	990,073	1,247,478
Chile	Australia	13,126	29,188	67,980
Chile	Other Oceania	1,770	2,464	6,687
Brazil	U.S. East Coast	1,186,990	2,776,380	5,824,918
Brazil	U.S. Gulf Coast	279,612	686,820	1,475,517
Brazil	Canada East Coast	101,709	216,519	416,987
Brazil	North Europe	1,789,598	3,944,834	6,514,355
Brazil	Mediterranean Europe	901,890	1,878,793	3,458,370
Argentina	U.S. East Coast	249,936	728,414	1,650,322
Argentina	U.S. Gulf Coast	78,547	277,033	661,105
Argentina	U.S. West Coast	19,513	67,015	150,680
Argentina	Canada East Coast	19,957	7,438	15,574
Argentina	Canada West Coast	5,841	2,177	4,558
Argentina	North Europe	367,735	434,573	668,417
Argentina	Mediterranean Europe	232,751	247,547	507,889
Argentina	Japan	130,038	49,336	57,051

Table 1.24 (continued)

Argentina	Australia	6,920	22,117	55,225
Argentina	Other Oceania	2,377	2,866	7,840
W. South America NEC	U.S. West Coast	128,282	176,509	356,613
W. South America NEC	Canada West Coast	18,148	24,824	56,793
W. South America NEC	Japan	542,859	459,702	569,570
W. South America NEC	Australia	11,457	10,711	21,774
W. South America NEC	Other Oceania	372	465	638
E. South America NEC	U.S. East Coast	20,337	28,799	49,505
E. South America NEC	U.S. Gulf Coast	2,608	4,573	8,345
E. South America NEC	Canada East Coast	1,818	496	1,090
E. South America NEC	North Europe	84,209	110,557	170,061
E. South America NEC	Mediterranean Europe	91,783	66,333	105,281
E. South America NEC	Japan	3,747	6,753	8,464
E. South America NEC	Australia	155	190	442
E. South America NEC	Other Oceania	10	12	34
North Europe	U.S. East Coast	5,482,256	16,281,869	21,183,552
North Europe	U.S. Gulf Coast	970,796	2,807,203	3,792,824
North Europe	Canada East Coast	896,239	1,528,834	2,162,093
North Europe	Mexico East Coast	379,540	548,384	948,347
North Europe	Carib./Cent. America EC	1,144,674	1,730,396	3,117,541
North Europe	Venezuela	247,167	273,397	432,326
North Europe	Brazil	506,877	801,518	1,464,666
North Europe	Argentina	88,054	76,510	123,950
North Europe	E. South America NEC	34,752	68,302	117,671
North Europe	North Africa/East Med	3,509,835	8,279,894	20,594,777
North Europe	Saudi Arabia	797,293	3,492,565	10,267,946
North Europe	Other Middle East	1,704,156	3,946,099	10,908,537
North Europe	South Asia	841,773	3,573,655	7,507,192
North Europe	Thailand	412,458	996,569	1,606,593
North Europe	Southeast Asia NEC	1,170,195	1,391,279	2,368,816
North Europe	Singapore	639,961	1,133,683	2,035,893
North Europe	Other Far East Asia	2,270,071	9,189,490	16,092,198
North Europe	Japan	2,089,759	4,146,422	3,368,700
North Europe	Australia	559,693	1,121,956	1,543,669
North Europe	West Africa	1,952,959	7,217,192	19,049,778
North Europe	East Africa	862,317	4,123,312	11,344,140
North Europe	South Africa	696,040	1,482,163	3,740,996
Mediterranean Europe	U.S. East Coast	2,769,375	6,649,247	8,438,382
Mediterranean Europe	U.S. Gulf Coast	367,684	979,437	1,265,795
Mediterranean Europe	Canada East Coast	546,449	895,490	1,761,476
Mediterranean Europe	Mexico East Coast	162,307	79,159	137,861
Mediterranean Europe	Carib./Cent. America EC	220,273	552,319	926,937
Mediterranean Europe	Venezuela	60,865	76,540	125,067
Mediterranean Europe	Brazil	104,901	127,594	223,124
Mediterranean Europe	Argentina	48,624	72,715	111,454
Mediterranean Europe	E. South America NEC	17,310	28,623	44,910
Mediterranean Europe	North Africa/East Med	3,026,953	6,321,055	16,809,034
Mediterranean Europe	Saudi Arabia	874,629	2,510,204	8,015,439
Mediterranean Europe	Other Middle East	1,129,449	1,246,690	3,199,404
Mediterranean Europe	South Asia	391,727	915,104	2,048,280
Mediterranean Europe	Thailand	102,505	170,548	286,829
Mediterranean Europe	Southeast Asia NEC	286,964	277,133	490,187
Mediterranean Europe	Singapore	270,642	420,307	788,734
Mediterranean Europe	Other Far East Asia	1,089,353	2,852,076	4,932,449
Mediterranean Europe	Japan	966,853	1,617,159	1,293,074
Mediterranean Europe	Australia	260,437	378,974	555,983
Mediterranean Europe	Other Oceania	37,720	73,873	118,552
Mediterranean Europe	West Africa	615,842	2,317,946	7,059,016
Mediterranean Europe	East Africa	283,128	1,409,765	3,760,741
Mediterranean Europe	South Africa	216,935	395,143	1,074,214
* Europe	Asia	77,215	257,124	392,250
North Africa/East Med	U.S. East Coast	280,383	423,886	1,113,818
North Africa/East Med	U.S. Gulf Coast	208,798	170,820	413,508
North Africa/East Med	Canada East Coast	14,083	35,565	109,027
North Africa/East Med	North Europe	1,402,907	3,803,206	9,039,879
North Africa/East Med	Mediterranean Europe	636,403	2,219,246	5,847,055
North Africa/East Med	Japan	37,008	96,849	220,023

Table 1.24 (cont'd.)

	North Africa/East Med	Australia	15,116	36,305	101,176
	North Africa/East Med	Other Oceania	1,008	4,271	14,853
	Saudi Arabia	U.S. East Coast	14,376	35,261	75,902
	Saudi Arabia	U.S. Gulf Coast	102,723	211,751	298,507
	Saudi Arabia	Canada East Coast	50	18	50
	Saudi Arabia	North Europe	256,473	795,280	1,501,091
	Saudi Arabia	Mediterranean Europe	90,492	236,230	613,279
	Saudi Arabia	Japan	49,533	134,285	204,571
	Saudi Arabia	Australia	7,995	15,297	46,742
	Saudi Arabia	Other Oceania	8,994	12,968	46,035
	Other Middle East	U.S. East Coast	33,125	113,231	170,514
	Other Middle East	U.S. Gulf Coast	2,644	6,563	8,164
	Other Middle East	Canada East Coast	5,397	16,927	40,983
	Other Middle East	North Europe	114,670	199,193	416,676
	Other Middle East	Mediterranean Europe	80,158	92,845	231,847
	Other Middle East	Japan	92,896	88,898	181,403
	Other Middle East	Australia	3,363	7,315	20,650
	Other Middle East	Other Oceania	908	1,984	6,687
*	Middle East	Asia	1,185	3,123	4,200
*	Middle East	Oceania	852	2,247	3,022
	South Asia	U.S. East Coast	370,981	687,462	1,683,442
	South Asia	U.S. Gulf Coast	70,148	82,580	135,024
	South Asia	U.S. West Coast	315,575	985,938	2,149,531
	South Asia	Canada West Coast	55,330	147,116	380,322
	South Asia	North Europe	1,056,090	2,989,556	6,194,739
	South Asia	Mediterranean Europe	439,086	1,207,895	2,635,197
	South Asia	Japan	667,727	1,365,076	2,009,642
	South Asia	Australia	70,548	113,330	316,135
	South Asia	Other Oceania	15,223	28,538	90,869
	Thailand	U.S. East Coast	380,839	753,374	816,055
	Thailand	U.S. Gulf Coast	74,326	147,031	159,264
	Thailand	U.S. West Coast	728,178	2,975,048	5,718,934
	Thailand	Canada West Coast	95,036	168,939	398,454
	Thailand	North Europe	3,453,411	6,050,018	10,262,429
	Thailand	Mediterranean Europe	1,512,511	6,769,473	12,931,397
	Thailand	Japan	1,307,426	1,593,388	2,091,063
	Thailand	Australia	111,843	392,032	918,216
	Thailand	Other Oceania	20,879	49,852	133,957
	Southeast Asia NEC	U.S. West Coast	937,072	2,692,793	5,479,531
	Southeast Asia NEC	Canada West Coast	154,558	190,570	452,040
	Southeast Asia NEC	North Europe	1,981,499	3,246,084	5,342,021
	Southeast Asia NEC	Mediterranean Europe	792,033	1,151,334	2,054,093
	Southeast Asia NEC	Japan	3,686,390	2,083,009	2,591,225
	Southeast Asia NEC	Australia	166,579	222,219	526,747
	Southeast Asia NEC	Other Oceania	22,997	35,012	97,131
	Singapore	U.S. East Coast	66,419	127,295	245,172
	Singapore	U.S. Gulf Coast	4,479	4,513	9,056
	Singapore	U.S. West Coast	309,947	766,357	1,592,783
	Singapore	Canada West Coast	30,355	42,780	93,110
	Singapore	North Europe	262,660	562,828	1,023,778
	Singapore	Mediterranean Europe	58,058	54,053	109,828
	Singapore	Japan	272,940	1,038,977	1,371,435
	Singapore	Australia	83,478	140,085	343,128
	Singapore	Other Oceania	17,601	21,796	53,814
	Other Far East Asia	U.S. West Coast	6,917,194	17,879,793	34,961,530
	Other Far East Asia	Canada West Coast	474,412	880,244	2,073,296
	Other Far East Asia	North Europe	3,945,856	11,865,557	21,876,786
	Other Far East Asia	Mediterranean Europe	1,327,925	4,859,896	9,736,172
	Other Far East Asia	Japan	4,019,751	10,910,734	14,658,810
	Other Far East Asia	Australia	554,578	896,036	2,216,657
	Other Far East Asia	Other Oceania	102,452	199,181	574,075
	Japan	U.S. West Coast	4,846,950	18,490,095	18,681,579
	Japan	Canada West Coast	230,160	444,983	461,091
	Japan	Chile	16,487	28,361	35,763
	Japan	Argentina	7,097	4,563	4,868
	Japan	W. South America NEC	11,636	16,142	19,855
	Japan	E. South America NEC	4,056	10,783	13,787

Table 1-1. (Cont'd.)

	Japan	North Europe	1,535,207	4,010,891	3,379,299
	Japan	Mediterranean Europe	483,864	1,413,820	1,399,851
	Japan	North Africa/East Med	155,954	196,500	360,393
	Japan	Saudi Arabia	227,037	1,115,603	2,858,754
	Japan	Other Middle East	362,238	416,305	712,683
	Japan	South Asia	362,046	1,377,654	2,263,365
	Japan	Thailand	866,042	1,800,310	2,276,744
	Japan	Southeast Asia NEC	1,245,359	1,903,403	2,478,361
	Japan	Singapore	740,290	1,313,422	1,640,843
	Japan	Other Far East Asia	4,318,179	16,880,354	23,104,276
	Japan	Australia	362,462	700,140	768,887
	Japan	Other Oceania	142,679	125,445	149,987
	Japan	West Africa	34,601	66,733	135,244
	Japan	East Africa	40,804	333,244	788,144
	Japan	South Africa	138,717	359,235	783,479
*	Asia	Europe	99,394	322,037	530,765
*	Asia	Middle East	3,696	11,734	27,951
*	Asia	Africa	112	289	567
*	Asia	Asia	509	1,277	1,880
	Australia	U.S. West Coast	169,521	620,348	1,063,089
	Australia	Canada West Coast	38,455	75,924	141,987
	Australia	Mexico West Coast	108,710	167,712	364,637
	Australia	Carib./Cent. America WC	2,993	135	153
	Australia	Colombia West Coast	382	686	1,243
	Australia	Chile	740	1,830	4,549
	Australia	Argentina	699	590	1,258
	Australia	W. South America NEC	5,567	10,560	23,326
	Australia	E. South America NEC	278	154	329
	Australia	North Europe	1,742,169	2,977,091	3,776,806
	Australia	Mediterranean Europe	456,818	657,516	767,351
	Australia	North Africa/East Med	25,884	28,067	78,797
	Australia	Saudi Arabia	20,084	15,740	51,720
	Australia	Other Middle East	39,690	74,165	207,995
	Australia	South Asia	407,012	550,899	1,400,373
	Australia	Thailand	153,083	239,829	488,233
	Australia	Southeast Asia NEC	649,659	870,495	1,800,848
	Australia	Singapore	123,842	111,207	224,809
	Australia	Other Far East Asia	1,148,925	3,613,814	8,558,744
	Australia	Japan	2,559,554	5,545,216	6,216,148
	Australia	Other Oceania	503,683	812,706	1,802,478
	Australia	West Africa	1,796	13,871	44,503
	Australia	East Africa	20,226	102,668	198,887
	Australia	South Africa	9,038	22,696	81,033
	Other Oceania	U.S. West Coast	46,434	181,804	432,022
	Other Oceania	Canada West Coast	6,898	14,955	36,210
	Other Oceania	Mexico West Coast	38,342	30,312	76,992
	Other Oceania	Carib./Cent. America WC	24,436	10,850	27,592
	Other Oceania	Colombia West Coast	52	93	169
	Other Oceania	Chile	6,871	12,200	34,577
	Other Oceania	Brazil	11,736	21,089	38,184
	Other Oceania	Argentina	147	347	1,031
	Other Oceania	W. South America NEC	16,191	3,153	7,522
	Other Oceania	E. South America NEC	78	88	257
	Other Oceania	Mediterranean Europe	41,261	114,037	200,358
	Other Oceania	North Africa/East Med	35,721	26,592	57,570
	Other Oceania	Saudi Arabia	13,778	30,378	37,448
	Other Oceania	Other Middle East	23,385	31,982	135,024
	Other Oceania	South Asia	65,524	271,228	970,514
	Other Oceania	Thailand	54,943	175,575	475,809
	Other Oceania	Southeast Asia NEC	258,133	537,974	1,341,826
	Other Oceania	Singapore	43,405	183,240	513,213
	Other Oceania	Other Far East Asia	318,479	1,747,780	5,075,279
	Other Oceania	Japan	2,053,778	1,990,583	2,524,445
	Other Oceania	Australia	320,038	653,621	1,625,065
	Other Oceania	Other Oceania	78,794	109,114	234,974
	Other Oceania	West Africa	40	210	1,113
	Other Oceania	East Africa	8,384	11,264	47,132

Table 1.24 (cont'd.)

	Other Oceania	South Africa	3,009	7,626	36,179
*	Oceania	Middle East	2,108	5,386	6,908
	West Africa	U.S. East Coast	426,435	734,691	1,933,681
	West Africa	U.S. Gulf Coast	182,477	1,435,647	4,576,130
	West Africa	Canada East Coast	26,585	46,369	198,940
	West Africa	North Europe	2,753,310	7,920,203	20,028,920
	West Africa	Mediterranean Europe	732,936	1,662,477	4,702,909
	West Africa	Japan	175,690	602,885	1,672,283
	West Africa	Australia	1,164	1,822	7,009
	West Africa	Other Oceania	38	93	448
	East Africa	U.S. East Coast	87,426	148,142	485,857
	East Africa	U.S. Gulf Coast	25,793	28,901	98,897
	East Africa	U.S. West Coast	15,491	20,516	64,330
	East Africa	Canada East Coast	13,682	11,034	42,561
	East Africa	North Europe	988,028	3,534,056	9,471,164
	East Africa	Mediterranean Europe	275,352	827,671	2,973,184
	East Africa	Japan	134,797	211,625	389,009
	East Africa	Australia	5,655	15,224	57,585
	East Africa	Other Oceania	3,294	10,537	51,292
	South Africa	U.S. East Coast	208,616	511,349	1,784,002
	South Africa	U.S. Gulf Coast	214,668	349,755	1,361,779
	South Africa	Canada East Coast	40,087	50,223	189,076
	South Africa	North Europe	1,828,369	4,416,788	11,089,699
	South Africa	Mediterranean Europe	468,609	1,357,433	3,536,931
	South Africa	Japan	1,653,861	3,151,154	7,056,786
	South Africa	Australia	34,042	67,176	232,641
	South Africa	Other Oceania	1,838	3,344	13,044
	DETAILED, POTENTIAL TRADE				
	U.S. East Coast	Chile	122,348	319,328	663,249
	U.S. East Coast	W. South America NEC	135,671	354,101	735,473
	U.S. East Coast	Southeast Asia NEC	425,345	1,148,432	563,415
	U.S. East Coast	Other Far East Asia	2,703,339	7,299,015	13,251,491
	U.S. East Coast	Japan	737,816	1,992,103	1,971,847
	U.S. East Coast	Australia	260,437	845,297	1,586,103
	U.S. East Coast	Other Oceania	39,542	101,308	211,566
	U.S. Gulf Coast	Chile	104,736	273,361	567,774
	U.S. Gulf Coast	W. South America NEC	262,575	685,321	1,423,421
	U.S. Gulf Coast	Thailand	25,407	68,599	563,415
	U.S. Gulf Coast	Southeast Asia NEC	178,264	481,313	563,415
	U.S. Gulf Coast	Other Far East Asia	499,129	1,347,648	563,415
	U.S. Gulf Coast	Japan	302,279	816,153	563,415
	U.S. Gulf Coast	Australia	164,065	436,147	810,410
	U.S. Gulf Coast	Other Oceania	52,046	181,118	391,808
	U.S. East Coast	Carib./Cent. America WC	26,600	75,013	152,154
	U.S. East Coast	U.S. West Coast	25,754	25,754	25,754
	U.S. West Coast	U.S. East Coast	85,370	171,595	334,652
	U.S. West Coast	Canada East Coast	32,199	45,516	64,494
	U.S. West Coast	Carib./Cent. America EC	42,446	119,274	253,829
	U.S. West Coast	Venezuela	9,403	5,393	10,781
	U.S. West Coast	Brazil	55,025	5,064	11,830
	U.S. West Coast	Argentina	67,317	19,857	30,132
	U.S. West Coast	E. South America NEC	3,611	11,043	20,304
	U.S. West Coast	North Europe	939,450	1,913,693	2,312,440
	U.S. West Coast	Mediterranean Europe	372,910	759,631	917,912
	U.S. West Coast	Middle East	27,886	100,331	345,553
	U.S. West Coast	North Africa/East Med	135,705	447,075	1,335,306
	U.S. West Coast	West Africa	10,138	16,110	42,993
	U.S. West Coast	South Africa	9,070	16,054	52,489
	Canada West Coast	U.S. East Coast	1,660	4,372	7,212
	Canada West Coast	U.S. Gulf Coast	113	240	429
	Canada East Coast	U.S. West Coast	7,589	18,636	33,516
	Canada East Coast	Carib./Cent. America WC	414	629	1,512
	Canada West Coast	Venezuela	31,869	46,528	112,816
	Canada East Coast	Chile	11,509	23,398	55,891
	Canada West Coast	Brazil	21,637	31,590	76,596
	Canada West Coast	Argentina	2,310	3,373	8,177

Canada East Coast	W. South America NEC	26,708	27,235	66,029
Canada West Coast	E. South America NEC	6,760	9,870	23,932
Canada West Coast	North Europe	562,420	1,177,684	1,562,582
Canada West Coast	Mediterranean Europe	194,011	502,337	672,503
Canada West Coast	North Africa/East Med	13,311	58,988	235,043
Canada East Coast	Other Far East Asia	190,131	489,152	573,842
Canada East Coast	Japan	539,686	1,388,455	1,628,847
Canada East Coast	Australia	62,875	104,502	197,870
Canada East Coast	Other Oceania	12,859	19,794	42,659
Canada West Coast	West Africa	3,756	16,647	66,330
Canada West Coast	South Africa	1,348	5,973	23,800
Carib./Cent. America	WCU.S. East Coast	2,862	3,263	4,980
Carib./Cent. America	ECU.S. West Coast	24,211	23,969	53,265
Carib./Cent. America	ECCanada West Coast	516	1,360	1,829
Carib./Cent. America	ECCarib./Cent. America WC	18,714	51,837	94,879
Carib./Cent. America	ECSouth America West Coas	67,579	187,193	342,624
Carib./Cent. America	ECAsia	159,001	103,350	120,840
Carib./Cent. America	ECOceania	4,733	9,561	27,357
Carib./Cent. America	WCCarib./Cent. America EC	26,140	72,409	132,532
Carib./Cent. America	WCSouth America East Coas	2,962	8,204	15,016
Carib./Cent. America	WCAfrica	1,442	3,393	6,513
Carib./Cent. America	WCEurope	42,845	58,270	86,976
Colombia West Coast	U.S. East Coast	280,432	443,083	987,121
Colombia West Coast	U.S. Gulf Coast	46,448	73,388	163,497
Colombia East Coast	U.S. West Coast	36,364	63,744	128,911
Venezuela	U.S. West Coast	3,651	4,218	8,720
Venezuela	Canada West Coast	1,478	1,580	3,575
Venezuela	Japan	47,220	64,691	78,857
Venezuela	Australia	643	1,873	4,736
Venezuela	Other Oceania	89	123	350
Chile	U.S. East Coast	197,877	312,646	696,527
Chile	U.S. Gulf Coast	69,288	109,475	243,894
Chile	Canada East Coast	9,525	18,167	21,505
Chile	North Europe	551,737	1,423,481	2,212,465
Chile	Mediterranean Europe	229,272	591,522	919,381
Brazil	U.S. West Coast	106,969	262,194	509,763
Brazil	Canada West Coast	29,766	63,366	122,035
Brazil	Japan	298,011	408,275	497,678
Brazil	Australia	64,048	104,164	237,687
Brazil	Other Oceania	9,294	6,837	17,794
W. South America NEC	U.S. East Coast	294,915	465,966	1,038,101
W. South America NEC	U.S. Gulf Coast	37,050	58,539	130,416
W. South America NEC	Canada East Coast	62,013	118,274	140,003
W. South America NEC	North Europe	640,808	1,653,285	2,569,640
W. South America NEC	Mediterranean Europe	216,629	558,903	868,682
E. South America NEC	U.S. West Coast	1,204	1,339	2,291
E. South America NEC	Canada West Coast	532	145	319
South America East Coas	Carib./Cent. America WC	18,199	50,411	92,269
South America East Coas	South America West Coas	50,393	139,588	255,491
South America West Coas	Carib./Cent. America EC	39,133	108,399	198,405
South America West Coas	South America East Coas	15,616	43,257	79,175
North Europe	U.S. West Coast	913,529	1,560,112	1,689,914
North Europe	Canada West Coast	58,527	98,350	106,533
North Europe	Colombia West Coast	95,118	110,010	190,418
North Europe	Chile	154,661	280,221	457,746
North Europe	W. South America NEC	115,919	117,819	202,909
Mediterranean Europe	U.S. West Coast	507,589	866,853	938,976
Mediterranean Europe	Canada West Coast	35,685	59,966	64,955
Mediterranean Europe	Colombia West Coast	53,815	44,945	73,656
Mediterranean Europe	Chile	52,117	126,759	232,040
Mediterranean Europe	W. South America NEC	29,451	26,696	49,254
Europe	Carib./Cent. America WC	29,435	48,863	87,718
Europe	Oceania	574,714	1,074,716	1,568,970
North Africa/East Med	U.S. West Coast	25,546	59,267	172,180
North Africa/East Med	Canada West Coast	71	179	548
Middle East	South America West Coas	561	1,479	1,988
Middle East	U.S. West Coast	36,349	111,955	235,905

Table 1.24 (cont'd.)

Southeast Asia NEC	U.S. East Coast	813,906	1,610,064	1,744,023
Southeast Asia NEC	U.S. Gulf Coast	271,640	537,357	582,065
Other Far East Asia	U.S. East Coast	1,843,464	3,646,731	3,950,140
Other Far East Asia	U.S. Gulf Coast	97,722	193,313	209,397
Other Far East Asia	Canada East Coast	152,206	282,408	665,175
Japan	U.S. East Coast	846,465	1,674,472	1,813,789
Japan	U.S. Gulf Coast	49,078	97,086	105,163
Japan	Canada East Coast	73,842	142,764	147,931
Japan	Colombia East Coast	17,323	8,097	7,866
Japan	Venezuela	15,138	8,531	10,112
Japan	Brazil	37,660	23,543	28,694
Asia	Carib./Cent. America EC	502,565	2,206,261	2,945,032
Australia	U.S. East Coast	217,611	396,988	586,572
Australia	U.S. Gulf Coast	441,404	646,438	823,251
Australia	Canada East Coast	12,337	21,467	40,960
Australia	Venezuela	6,426	11,547	20,908
Australia	Brazil	5,147	9,249	16,746
Other Oceania	U.S. East Coast	62,977	127,906	284,099
Other Oceania	U.S. Gulf Coast	6,812	16,795	38,873
Other Oceania	Canada East Coast	2,213	3,851	7,347
Other Oceania	Venezuela	20,277	36,436	65,973
Oceania	Carib./Cent. America EC	12,594	9,571	24,054
Oceania	Europe	144,396	322,003	423,081
West Africa	U.S. West Coast	18,282	42,414	123,221
West Africa	Canada West Coast	134	233	1,000
South Africa	U.S. West Coast	10,819	25,100	72,920
South Africa	Canada West Coast	201	252	950
Africa	Carib./Cent. America WC	813	2,253	4,123
Total Trade (all routes)		191,432,021	464,864,804	837,795,980
Total Potential Trade		21,622,999	48,375,113	69,663,702
69 ROUTES, POTENTIAL				
AFRICA	C. AMERICA W.C.	813	2,253	4,123
AFRICA	CANADA WEST COAST	406	664	2,498
AFRICA	U.S. W.C., HAWAII	54,647	126,781	368,321
ASIA	CANADA EAST COAST	226,048	425,172	813,106
ASIA	CENTRAL AMERICA E.C., W	502,565	2,206,261	2,945,032
ASIA	S. AMERICA E.C.	70,121	40,171	46,672
ASIA	U.S. EAST COAST	3,922,275	7,759,023	8,404,578
C. AMERICA W.C.	AFRICA	1,442	3,393	6,513
C. AMERICA W.C.	CENTRAL AMERICA E.C., W	26,140	72,409	132,532
C. AMERICA W.C.	EUROPE	42,845	58,270	86,976
C. AMERICA W.C.	S. AMERICA E.C.	2,962	8,204	15,016
C. AMERICA W.C.	U.S. EAST COAST	2,862	3,263	4,980
CENTRAL AMERICA E.C.,	WASIA	159,001	103,350	120,840
CENTRAL AMERICA E.C.,	WC. AMERICA W.C.	18,714	51,837	94,879
CENTRAL AMERICA E.C.,	WCANADA WEST COAST	516	1,360	1,829
CENTRAL AMERICA E.C.,	WOCEANIA	4,733	9,561	27,357
CENTRAL AMERICA E.C.,	WS. AMERICA W.C.	67,579	187,193	342,624
CENTRAL AMERICA E.C.,	WU.S. W.C., HAWAII	24,211	23,969	53,265
CANADA EAST COAST	ASIA	729,817	1,877,607	2,202,690
CANADA EAST COAST	C. AMERICA W.C.	414	629	1,512
CANADA EAST COAST	OCEANIA	75,734	124,296	240,529
CANADA EAST COAST	S. AMERICA W.C.	38,217	50,633	121,920
CANADA EAST COAST	U.S. W.C., HAWAII	7,589	18,636	33,516
CANADA WEST COAST	AFRICA	18,415	81,608	325,173
CANADA WEST COAST	EUROPE	756,431	1,680,021	2,235,084
CANADA WEST COAST	S. AMERICA E.C.	62,577	91,362	221,521
CANADA WEST COAST	U.S. EAST COAST	1,773	4,612	7,641
EUROPE	C. AMERICA W.C.	29,435	48,863	87,718
EUROPE	CANADA WEST COAST	94,212	158,316	171,488
EUROPE	OCEANIA	574,714	1,074,716	1,568,970
EUROPE	S. AMERICA W.C.	501,081	706,450	1,206,023
EUROPE	U.S. W.C., HAWAII	1,421,118	2,426,965	2,628,890
MIDDLE EAST	S. AMERICA W.C.	561	1,479	1,988
MIDDLE EAST	U.S. W.C., HAWAII	36,349	111,955	235,905

Table 1.24 (cont'd.)

OCEANIA	CANADA EAST COAST	14,550	25,318	48,307
OCEANIA	CENTRAL AMERICA E.C., W	12,594	9,571	24,054
OCEANIA	EUROPE	144,396	322,003	423,081
OCEANIA	S. AMERICA E.C.	31,850	57,232	103,627
OCEANIA	U.S. EAST COAST	728,804	1,188,127	1,732,795
S. AMERICA E.C.	ASIA	345,231	472,966	576,536
S. AMERICA E.C.	C. AMERICA W.C.	18,199	50,411	92,269
S. AMERICA E.C.	CANADA WEST COAST	31,776	65,092	125,929
S. AMERICA E.C.	OCEANIA	74,074	112,997	260,567
S. AMERICA E.C.	S. AMERICA W.C.	50,393	139,588	255,491
S. AMERICA E.C.	U.S. W.C., HAWAII	148,188	331,495	649,685
S. AMERICA W.C.	CANADA EAST COAST	71,538	136,441	161,508
S. AMERICA W.C.	CENTRAL AMERICA E.C., W	39,133	108,399	198,405
S. AMERICA W.C.	EUROPE	1,638,446	4,227,191	6,570,168
S. AMERICA W.C.	S. AMERICA E.C.	15,616	43,257	79,175
S. AMERICA W.C.	U.S. EAST COAST	926,010	1,463,096	3,259,555
U.S. EAST COAST	ASIA	4,871,579	13,153,263	18,040,413
U.S. EAST COAST	C. AMERICA W.C.	26,600	75,013	152,154
U.S. EAST COAST	OCEANIA	516,090	1,563,870	2,999,887
U.S. EAST COAST	S. AMERICA W.C.	625,330	1,632,111	3,389,918
U.S. EAST COAST	U.S. W.C., HAWAII	25,754	25,754	25,754
U.S. W.C., HAWAII	AFRICA	154,913	479,239	1,430,788
U.S. W.C., HAWAII	CANADA EAST COAST	32,199	45,516	64,494
U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W	42,446	119,274	253,829
U.S. W.C., HAWAII	EUROPE	1,312,360	2,673,325	3,230,352
U.S. W.C., HAWAII	MIDDLE EAST	27,886	100,331	345,553
U.S. W.C., HAWAII	S. AMERICA E.C.	135,356	41,357	73,047
U.S. W.C., HAWAII	U.S. EAST COAST	85,370	171,595	334,652
TOTAL		21,622,999	48,375,113	69,663,702

Table 1.24 (cont'd.)

69 ROUTES, NON-POTENTIAL TRADE				
U.S. East Coast	Asia	1,047,467	2,939,482	6,751,448
U.S. West Coast	Africa	5,672	11,322	37,003
South America East Coas	Asia	133,785	56,089	65,515
South America East Coas	Oceania	9,462	25,185	63,541
Europe	Asia	10,609,476	26,940,549	43,211,195
Europe	Oceania	857,851	1,574,803	2,218,204
Africa	Asia	2,001,356	4,062,513	9,338,101
Africa	Oceania	62,155	138,772	478,048
Africa	U.S. West Coast	15,491	20,516	64,330
Asia	U.S. East Coast	967,192	1,802,255	3,048,013
Asia	Europe	16,947,594	44,503,442	77,476,355
Asia	South America East Coas	11,153	15,346	18,655
Oceania	South America East Coas	12,938	22,268	41,059
Oceania	Europe	2,519,025	4,288,227	6,169,222
TOTAL		35,200,617	86,400,769	148,980,688
TOTAL BILATERAL TRADE (69 ROUTES)		56,823,616	134,775,882	218,644,390

Table 1.25

General Cargo, Non-Containerizable

Origin	Destination	1990 Tonnes	2020 Tonnes	2060 Tonnes
DETAILED, NON-POTENTIAL TRADE				
U.S. East Coast	Canada East Coast	2,293	1,374	2,048
U.S. East Coast	Mexico East Coast	3,384	2,929	3,791
U.S. East Coast	Carib./Cent. America EC	15,464	39,895	90,325
U.S. East Coast	Venezuela	6,259	3,424	7,823
U.S. East Coast	Brazil	7,092	2,103	3,894
U.S. East Coast	Argentina	602	123	248
U.S. East Coast	E. South America NEC	277	906	1,938
U.S. East Coast	North Europe	142,628	542,980	725,817
U.S. East Coast	Mediterranean Europe	104,438	219,886	281,507
U.S. East Coast	North Africa/East Med	19,900	127,554	492,948
U.S. East Coast	Saudi Arabia	3,326	9,357	39,718
U.S. East Coast	Other Middle East	3,684	9,677	37,523
U.S. East Coast	South Asia	32,670	31,402	46,433
U.S. East Coast	Singapore	4,015	5,964	13,368
U.S. East Coast	Thailand	1,997	7,402	12,373
U.S. East Coast	West Africa	3,652	16,237	72,163
U.S. East Coast	East Africa	1,230	2,321	7,240
U.S. East Coast	South Africa	4,811	3,360	11,465
U.S. Gulf Coast	Canada East Coast	1	0	0
U.S. Gulf Coast	Mexico East Coast	19,497	18,932	23,728
U.S. Gulf Coast	Carib./Cent. America EC	14,330	48,511	108,859
U.S. Gulf Coast	Venezuela	6,685	4,127	9,511
U.S. Gulf Coast	Brazil	1,357	364	655
U.S. Gulf Coast	Argentina	25,162	11,672	24,617
U.S. Gulf Coast	E. South America NEC	44,549	200,989	458,742
U.S. Gulf Coast	North Europe	35,431	76,637	91,975
U.S. Gulf Coast	Mediterranean Europe	7,037	17,089	21,578
U.S. Gulf Coast	North Africa/East Med	5,436	19,179	70,592
U.S. Gulf Coast	Saudi Arabia	250	677	2,877
U.S. Gulf Coast	Other Middle East	1,361	2,452	7,163
U.S. Gulf Coast	South Asia	15,282	9,402	16,808
U.S. Gulf Coast	Singapore	17,556	26,488	59,429
U.S. Gulf Coast	West Africa	32,435	170,145	707,254
U.S. Gulf Coast	East Africa	3,971	6,912	20,809
U.S. Gulf Coast	South Africa	1,407	1,045	3,666
U.S. West Coast	Mexico West Coast	51	24	40
U.S. West Coast	Carib./Cent. America WC	68	365	846
U.S. West Coast	Canada West Coast	1,155	719	1,280
U.S. West Coast	Chile	462	904	2,022
U.S. West Coast	W. South America NEC	82	107	244
U.S. West Coast	Saudi Arabia	30	56	223
U.S. West Coast	Other Middle East	306	320	1,197
U.S. West Coast	South Asia	24,113	18,035	21,565
U.S. West Coast	Thailand	8,888	4,543	9,591
U.S. West Coast	Southeast Asia NEC	10,873	3,284	6,888
U.S. West Coast	Singapore	9,820	12,327	25,688
U.S. West Coast	Other Far East Asia	288,341	474,490	698,825
U.S. West Coast	Japan	319,759	245,274	192,757
U.S. West Coast	Australia	13,118	24,709	46,122
U.S. West Coast	Other Oceania	1,456	3,298	6,699
U.S. West Coast	East Africa	469	816	2,455
Canada East Coast	U.S. East Coast	9,739	15,156	21,038
Canada East Coast	U.S. Gulf Coast	84	79	144
Canada West Coast	U.S. West Coast	7,824	13,216	19,593
Canada East Coast	Carib./Cent. America EC	253	438	1,051
Canada West Coast	Carib./Cent. America WC	93	160	384
Canada East Coast	Mexico East Coast	547	747	1,956
Canada West Coast	Mexico West Coast	200	273	714
Canada East Coast	Venezuela	491	89	219
Canada West Coast	Chile	116	314	747
Canada East Coast	Brazil	423	10	33

Table 1.25 (cont'd.)

Canada East Coast	Argentina	10	2	4
Canada West Coast	W. South America NEC	60	20	43
Canada East Coast	E. South America NEC	1	1	2
Canada East Coast	North Europe	12,843	12,818	19,378
Canada East Coast	Mediterranean Europe	31,900	16,852	23,544
Canada East Coast	Saudi Arabia	4,812	201	1,060
Canada East Coast	Other Middle East	514	421	1,681
Canada West Coast	South Asia	17,244	13,463	27,351
Canada West Coast	Thailand	2,710	1,566	2,368
Canada West Coast	Southeast Asia NEC	3,919	2,825	9,155
Canada West Coast	Singapore	165	186	437
Canada West Coast	Other Far East Asia	8,646	11,476	22,802
Canada West Coast	Japan	1,299	1,048	921
Canada West Coast	Australia	172	43	77
Canada West Coast	Other Oceania	119	232	725
Canada East Coast	North Africa/East Med	4,026	6,752	27,823
Canada East Coast	East Africa	365	1,216	5,045
Canada East Coast	West Africa	189	2,076	10,077
Canada East Coast	South Africa	1,713	1,071	2,954
Mexico East Coast	U.S. East Coast	77	189	417
Mexico East Coast	U.S. Gulf Coast	1,438	3,652	8,048
Mexico East Coast	Canada East Coast	40	12	39
Mexico West Coast	Canada West Coast	19	5	18
Mexico East Coast	North Europe	1,271	3,028	4,078
Mexico East Coast	Mediterranean Europe	147	132	191
Carib./Cent. America EC	U.S. East Coast	14,780	39,560	62,890
Carib./Cent. America EC	U.S. Gulf Coast	2,169	5,744	9,016
Carib./Cent. America WC	U.S. West Coast	65	247	534
Carib./Cent. America EC	Canada East Coast	29	12	25
Carib./Cent. America WC	Canada West Coast	13	5	11
Carib./Cent. America EC	North Europe	3,133	3,254	5,002
Carib./Cent. America EC	Mediterranean Europe	5,009	6,930	6,528
Venezuela	U.S. East Coast	9,507	34,385	77,461
Venezuela	U.S. Gulf Coast	7,429	26,934	60,661
Venezuela	Canada East Coast	121	0	0
Venezuela	North Europe	2,267	1,925	2,213
Venezuela	Mediterranean Europe	1,821	0	0
Chile	U.S. West Coast	16	25	62
Chile	Canada West Coast	281	0	0
Chile	Japan	53	32	37
Chile	Other Oceania	17	0	0
Brazil	U.S. East Coast	7,650	42,336	101,744
Brazil	U.S. Gulf Coast	1,761	10,016	24,047
Brazil	Canada East Coast	3,044	2,257	5,471
Brazil	North Europe	9,443	26,683	57,190
Brazil	Mediterranean Europe	6,456	24,668	55,484
Argentina	U.S. East Coast	96	139	156
Argentina	U.S. Gulf Coast	99	141	160
Argentina	Canada East Coast	5	0	0
Argentina	North Europe	88	13	13
Argentina	Mediterranean Europe	1	0	0
W. South America NEC	Canada West Coast	16	26	63
W. South America NEC	Japan	406	209	210
E. South America NEC	North Europe	5	2	1
E. South America NEC	Mediterranean Europe	33	0	0
North Europe	U.S. East Coast	100,401	422,047	549,303
North Europe	U.S. Gulf Coast	20,588	92,004	128,691
North Europe	Canada East Coast	13,633	21,692	29,773
North Europe	Mexico East Coast	8,522	4,629	7,158
North Europe	Carib./Cent. America EC	9,225	18,721	30,696
North Europe	Venezuela	954	1,674	2,563
North Europe	Brazil	18,966	16,334	25,840
North Europe	Argentina	736	228	337
North Europe	E. South America NEC	381	579	901
North Europe	North Africa/East Med	89,594	178,778	539,420
North Europe	Saudi Arabia	20,315	51,284	175,196
North Europe	Other Middle East	27,236	41,161	105,002

Table 1.25 (cont'd.)

North Europe	South Asia	94,600	216,153	500,838
North Europe	Thailand	8,085	14,237	24,584
North Europe	Southeast Asia NEC	41,530	96,560	179,510
North Europe	Singapore	18,555	12,037	20,820
North Europe	Other Far East Asia	55,419	233,318	435,217
North Europe	Japan	12,940	23,259	19,514
North Europe	Australia	14,075	26,290	37,340
North Europe	West Africa	25,065	125,440	361,275
North Europe	East Africa	15,205	105,177	323,913
North Europe	South Africa	12,450	9,759	24,156
Mediterranean Europe	U.S. East Coast	13,920	26,586	34,614
Mediterranean Europe	U.S. Gulf Coast	1,362	3,997	4,491
Mediterranean Europe	Canada East Coast	1,402	786	1,033
Mediterranean Europe	Mexico East Coast	771	113	180
Mediterranean Europe	Carib./Cent. America EC	3,017	3,969	6,017
Mediterranean Europe	Venezuela	981	1,040	1,757
Mediterranean Europe	Brazil	2,021	1,363	1,813
Mediterranean Europe	Argentina	901	901	1,297
Mediterranean Europe	E. South America NEC	39	77	112
Mediterranean Europe	North Africa/East Med	14,713	14,453	33,103
Mediterranean Europe	Saudi Arabia	841	1,684	4,900
Mediterranean Europe	Other Middle East	4,811	3,613	6,974
Mediterranean Europe	South Asia	10,383	54,163	101,682
Mediterranean Europe	Thailand	1,786	1,609	1,630
Mediterranean Europe	Southeast Asia NEC	2,713	1,205	1,699
Mediterranean Europe	Singapore	816	335	481
Mediterranean Europe	Other Far East Asia	15,400	41,591	66,700
Mediterranean Europe	Japan	3,720	8,292	6,409
Mediterranean Europe	Australia	2,487	1,388	1,858
Mediterranean Europe	Other Oceania	1,061	539	516
Mediterranean Europe	West Africa	3,846	16,651	48,305
Mediterranean Europe	East Africa	2,825	38,331	104,113
Mediterranean Europe	South Africa	489	641	1,607
* Europe	Asia	46,693	144,026	270,803
North Africa/East Med	U.S. East Coast	758	1,660	4,378
North Africa/East Med	U.S. Gulf Coast	282	943	2,512
North Africa/East Med	North Europe	12,083	37,872	91,280
North Africa/East Med	Mediterranean Europe	56,140	185,929	466,297
North Africa/East Med	Japan	1,123	3,229	4,812
Saudi Arabia	U.S. Gulf Coast	6	18	73
Saudi Arabia	North Europe	3,505	6,438	18,516
Saudi Arabia	Mediterranean Europe	3,956	1,896	5,222
Saudi Arabia	Japan	11,305	14,411	34,983
Other Middle East	U.S. Gulf Coast	2	0	0
Other Middle East	North Europe	2,368	4,163	7,166
Other Middle East	Mediterranean Europe	357	763	1,884
Other Middle East	Japan	4,041	9,718	14,155
Other Middle East	Australia	2	0	0
South Asia	U.S. East Coast	49	16	43
South Asia	U.S. West Coast	6	1	3
South Asia	Canada West Coast	398	261	687
South Asia	North Europe	978	174	384
South Asia	Mediterranean Europe	28	6	13
South Asia	Japan	322	300	429
Thailand	U.S. East Coast	48	129	224
Thailand	U.S. West Coast	60	147	170
Thailand	Canada West Coast	34	118	270
Thailand	North Europe	135	39	59
Thailand	Japan	2,557	3,267	3,487
Thailand	Australia	11	28	66
Southeast Asia NEC	U.S. West Coast	559	590	1,620
Southeast Asia NEC	Canada West Coast	10	54	162
Southeast Asia NEC	North Europe	1,878	2,129	2,981
Southeast Asia NEC	Mediterranean Europe	81	0	0
Southeast Asia NEC	Japan	13,129	16,247	17,554
Southeast Asia NEC	Australia	1,047	245	513
Singapore	U.S. East Coast	666	1,116	2,505

Table 1.25 (cont'd.)

	Singapore	U.S. Gulf Coast	34	57	129
	Singapore	U.S. West Coast	717	1,182	2,635
	Singapore	Canada West Coast	2	5	13
	Singapore	North Europe	1,152	900	1,672
	Singapore	Mediterranean Europe	123	31	34
	Singapore	Japan	8,907	16,006	20,808
	Singapore	Australia	79	32	59
	Other Far East Asia	U.S. West Coast	11,073	20,988	48,034
	Other Far East Asia	Canada West Coast	789	237	518
	Other Far East Asia	North Europe	5,790	11,551	22,426
	Other Far East Asia	Mediterranean Europe	748	418	697
	Other Far East Asia	Japan	58,302	144,696	197,732
	Other Far East Asia	Australia	729	1,063	2,532
	Other Far East Asia	Other Oceania	26	0	0
	Japan	U.S. West Coast	59,824	254,439	259,847
	Japan	Canada West Coast	15,734	58,353	61,686
	Japan	Chile	519	927	1,153
	Japan	Argentina	168	75	78
	Japan	W. South America NEC	657	490	572
	Japan	E. South America NEC	19	51	64
	Japan	North Europe	69,449	171,403	156,449
	Japan	Mediterranean Europe	32,311	85,209	80,830
	Japan	North Africa/East Med	10,601	9,999	21,162
	Japan	Saudi Arabia	4,167	767	1,705
	Japan	Other Middle East	16,923	2,807	4,523
	Japan	South Asia	21,164	79,020	127,157
	Japan	Thailand	123,329	233,364	296,993
	Japan	Southeast Asia NEC	113,888	163,384	213,572
	Japan	Singapore	54,358	18,046	20,572
	Japan	Other Far East Asia	167,001	329,145	420,737
	Japan	Australia	28,431	58,460	64,835
	Japan	Other Oceania	13,402	10,394	10,224
	Japan	West Africa	2,957	2,658	5,546
	Japan	East Africa	3,217	37,024	89,051
	Japan	South Africa	4,113	12,465	28,086
*	Asia	Carib./Cent. America WC	30,452	86,743	166,104
*	Asia	Europe	38,660	115,589	199,659
*	Asia	Africa	5,175	13,380	26,255
	Australia	U.S. West Coast	587	2,174	3,927
	Australia	Canada West Coast	18	63	123
	Australia	Mexico West Coast	4	0	0
	Australia	Chile	29	76	183
	Australia	W. South America NEC	28	0	0
	Australia	North Europe	6,198	12,734	12,478
	Australia	Mediterranean Europe	138	171	175
	Australia	Saudi Arabia	3	9	41
	Australia	Other Middle East	3	2	6
	Australia	South Asia	2,343	4,862	6,604
	Australia	Thailand	3,381	12,515	23,547
	Australia	Southeast Asia NEC	29,848	21,124	41,982
	Australia	Singapore	791	180	292
	Australia	Other Far East Asia	21,417	265,485	589,748
	Australia	Japan	32,694	56,647	53,647
	Australia	Other Oceania	2,820	3,849	8,282
	Australia	West Africa	107	0	0
	Australia	East Africa	268	564	1,913
	Australia	South Africa	27	53	215
	Other Oceania	U.S. West Coast	304	98	146
	Other Oceania	Canada West Coast	1	0	0
	Other Oceania	W. South America NEC	1	0	0
	Other Oceania	Mediterranean Europe	12	0	0
	Other Oceania	Other Middle East	1	0	0
	Other Oceania	South Asia	308	1,190	4,030
	Other Oceania	Thailand	4,674	0	0
	Other Oceania	Southeast Asia NEC	1,296	6	13
	Other Oceania	Singapore	37	201	651
	Other Oceania	Other Far East Asia	894	3,019	7,793

	Other Oceania	Japan	4,453	9,795	12,444
	Other Oceania	Australia	1,542	1,012	1,944
	Other Oceania	Other Oceania	160	351	757
*	Oceania	Africa	12,506	13,949	28,860
	West Africa	U.S. Gulf Coast	27	45	163
	West Africa	North Europe	6,068	14,952	37,052
	West Africa	Mediterranean Europe	16,058	57,631	148,175
	West Africa	Japan	120	1,238	4,243
	East Africa	North Europe	1,055	2,665	6,778
	East Africa	Mediterranean Europe	162	379	987
	East Africa	Japan	451	797	1,849
	East Africa	Australia	199	0	0
	South Africa	U.S. East Coast	21,090	49,832	72,595
	South Africa	U.S. Gulf Coast	20,332	46,708	63,569
	South Africa	Canada East Coast	48	118	404
	South Africa	North Europe	4,168	8,159	20,222
	South Africa	Mediterranean Europe	19,861	38,661	89,824
	South Africa	Japan	351	395	864
	South Africa	Australia	150	28	796
	South Africa	Other Oceania	11	0	0
*	Africa	Asia	149	318	721
*	Africa	Oceania	68	205	813
	DETAILED, POTENTIAL TRADE				
	U.S. East Coast	Colombia West Coast	2,470	7,081	16,499
	U.S. East Coast	Chile	2,599	7,451	17,361
	U.S. East Coast	W. South America NEC	1,977	5,668	13,206
	U.S. East Coast	Southeast Asia NEC	27,162	100,673	168,289
	U.S. East Coast	Other Far East Asia	171,877	637,046	1,064,908
	U.S. East Coast	Japan	71,540	265,156	443,244
	U.S. East Coast	Australia	6,991	17,154	29,003
	U.S. East Coast	Other Oceania	681	1,671	2,825
	U.S. East Coast	U.S. West Coast	25,407	59,560	66,495
	U.S. East Coast	Carib./Cent. America WC	50,593	111,285	238,514
	U.S. Gulf Coast	Colombia West Coast	5,681	16,287	37,948
	U.S. Gulf Coast	Chile	3,901	11,184	26,058
	U.S. Gulf Coast	W. South America NEC	1,601	4,590	10,694
	U.S. Gulf Coast	Thailand	13,861	51,374	85,879
	U.S. Gulf Coast	Southeast Asia NEC	2,672	9,904	16,555
	U.S. Gulf Coast	Other Far East Asia	9,060	33,580	56,134
	U.S. Gulf Coast	Japan	8,438	31,275	52,280
	U.S. Gulf Coast	Australia	12,122	29,744	50,289
	U.S. Gulf Coast	Other Oceania	54	132	224
	U.S. West Coast	U.S. East Coast	28,728	36,586	70,040
	U.S. West Coast	Canada East Coast	120	795	660
	U.S. West Coast	Carib./Cent. America EC	595	1,933	4,262
	U.S. West Coast	Colombia East Coast	5	16	21
	U.S. West Coast	Venezuela	4	13	16
	U.S. West Coast	Brazil	184	604	758
	U.S. West Coast	Argentina	50	164	206
	U.S. West Coast	E. South America NEC	3	10	12
	U.S. West Coast	North Europe	20,018	55,488	75,288
	U.S. West Coast	Mediterranean Europe	2,670	7,401	10,042
	U.S. West Coast	North Africa/East Med	8	22	65
	U.S. West Coast	West Africa	130	359	1,064
	U.S. West Coast	South Africa	653	1,802	5,345
	Canada West Coast	U.S. East Coast	52	145	294
	Canada West Coast	U.S. Gulf Coast	0	1	3
	Canada East Coast	U.S. West Coast	753	1,272	1,886
	Canada West Coast	Carib./Cent. America EC	37,686	80,272	201,621
	Canada East Coast	Carib./Cent. America WC	6,483	8,760	21,635
	Canada East Coast	Colombia West Coast	40	67	185
	Canada West Coast	Colombia East Coast	15	25	63
	Canada West Coast	Venezuela	180	299	773
	Canada East Coast	Chile	316	523	1,456
	Canada West Coast	Brazil	154	257	664
	Canada West Coast	Argentina	4	6	16

Table 1.25 (cont'd.)

Canada East Coast	W. South America NEC	164	271	755
Canada West Coast	E. South America NEC	1	1	2
Canada West Coast	North Europe	204	545	927
Canada West Coast	Mediterranean Europe	506	1,354	2,303
Canada West Coast	Middle East	3,671	11,785	25,112
Canada East Coast	Other Far East Asia	22,356	66,911	149,191
Canada East Coast	Japan	3,358	10,051	22,411
Canada West Coast	Asia	2,998	3,935	5,326
Canada East Coast	Australia	446	875	1,735
Canada East Coast	Other Oceania	307	603	1,196
Canada West Coast	North Africa/East Med	20	90	289
Canada West Coast	West Africa	1	4	14
Canada West Coast	South Africa	9	38	123
Carib./Cent. America WC	U.S. East Coast	24,966	35,106	74,273
Carib./Cent. America EC	U.S. West Coast	22,339	63,058	93,622
Carib./Cent. America EC	Canada West Coast	24,481	69,733	132,718
Carib./Cent. America WC	Carib./Cent. America EC	17,213	41,907	79,492
Carib./Cent. America EC	Carib./Cent. America WC	7,745	22,519	46,798
Carib./Cent. America WC	South America East Coas	1,553	3,529	6,478
Carib./Cent. America EC	South America West Coas	49,180	130,694	277,079
Carib./Cent. America WC	Europe	176,089	236,324	709,640
Carib./Cent. America EC	Asia	92,844	225,903	369,936
Carib./Cent. America EC	Oceania	6,482	18,465	35,143
Carib./Cent. America WC	Africa	7,039	17,317	33,929
Colombia West Coast	U.S. East Coast	3,429	4,836	10,901
Colombia West Coast	U.S. Gulf Coast	1,146	1,616	3,643
Colombia West Coast	North Europe	15	33	56
Colombia West Coast	Mediterranean Europe	1,640	3,569	6,171
Venezuela	U.S. West Coast	143	516	1,162
Venezuela	Canada West Coast	56	139	346
Venezuela	Japan	80	126	172
Chile	U.S. East Coast	3,942	5,560	12,532
Chile	U.S. Gulf Coast	159	224	505
Chile	Canada East Coast	611	1,058	2,560
Chile	North Europe	494	1,075	1,859
Chile	Mediterranean Europe	2,910	6,332	10,950
Brazil	U.S. West Coast	646	3,574	8,561
Brazil	Canada West Coast	2,260	5,622	14,002
Brazil	Japan	1,144	1,796	2,455
Brazil	Australia	1,304	3,616	7,247
Brazil	Other Oceania	29	80	161
Argentina	U.S. West Coast	71	113	157
Argentina	Canada West Coast	3	6	16
W. South America NEC	U.S. East Coast	125	176	397
W. South America NEC	Canada East Coast	34	58	138
W. South America NEC	North Europe	301	655	1,133
W. South America NEC	Mediterranean Europe	268	583	1,008
South America East Coas	Carib./Cent. America WC	24,819	55,216	105,447
South America East Coas	South America West Coas	102,896	284,442	573,361
South America West Coas	Carib./Cent. America EC	85,656	212,623	457,702
South America West Coas	South America East Coas	71,511	181,053	356,976
South America West Coas	Africa	90,374	206,214	378,944
North Europe	U.S. West Coast	11,109	41,702	65,842
North Europe	Canada West Coast	1,218	2,506	5,018
North Europe	Colombia West Coast	1,891	4,170	9,204
North Europe	Chile	5,706	12,584	27,774
North Europe	W. South America NEC	1,302	2,871	6,337
Mediterranean Europe	U.S. West Coast	2,368	8,889	14,035
Mediterranean Europe	Canada West Coast	125	258	516
Mediterranean Europe	Colombia West Coast	378	834	1,840
Mediterranean Europe	Chile	657	1,449	3,198
Mediterranean Europe	W. South America NEC	655	1,445	3,188
Europe	Carib./Cent. America WC	114,913	247,746	496,185
Europe	Oceania	138,856	317,996	654,178
North Africa/East Med	U.S. West Coast	96	402	1,277
Middle East	South America West Coas	1,419	4,042	7,693
Middle East	U.S. West Coast	2,309	5,149	22,307

Table 1.25 (cont'd.)

Southeast Asia NEC	U.S. East Coast	26	70	121
Other Far East Asia	U.S. East Coast	5,546	14,953	25,893
Other Far East Asia	U.S. Gulf Coast	714	1,925	3,333
Other Far East Asia	Canada East Coast	159	162	283
Japan	U.S. East Coast	109,445	295,074	510,967
Japan	U.S. Gulf Coast	15,272	41,175	71,301
Japan	Canada East Coast	3,166	3,229	5,643
Japan	Colombia West Coast	2,268	4,030	9,047
Japan	Venezuela	332	590	1,324
Japan	Brazil	524	931	2,090
Asia	Carib./Cent. America EC	597,998	1,264,123	2,306,695
Australia	U.S. East Coast	549	810	1,116
Australia	U.S. Gulf Coast	546	806	1,110
Australia	Canada East Coast	4	5	9
Other Oceania	U.S. East Coast	78	115	159
Other Oceania	U.S. Gulf Coast	14	21	28
Other Oceania	Canada East Coast	0	0	0
Oceania	Carib./Cent. America EC	56,703	35,916	81,922
Oceania	South America East Coas	49,618	94,752	237,396
Oceania	Europe	44,671	112,162	171,305
South Africa	U.S. West Coast	16	67	213
South Africa	Canada West Coast	0	0	1
Africa	South America West Coas	735	2,137	3,847
Total Trade (all routes)		5,992,353	13,775,001	25,460,253
Total Potential Trade		2,548,960	6,064,663	11,572,237

69 ROUTES, POTENTIAL TRADE

AFRICA	CANADA WEST COAST	0	0	1
AFRICA	S. AMERICA W.C.	735	2,137	3,847
AFRICA	U.S. W.C., HAWAII	112	469	1,490
ASIA	CENTRAL AMERICA E.C., W	597,998	1,264,123	2,306,695
ASIA	CANADA EAST COAST	3,325	3,391	5,926
ASIA	S. AMERICA E.C.	3,124	5,551	12,462
ASIA	U.S. EAST COAST	131,003	353,197	611,615
C. AMERICA W.C.	AFRICA	7,039	17,317	33,929
C. AMERICA W.C.	CENTRAL AMERICA E.C., W	17,213	41,907	79,492
C. AMERICA W.C.	EUROPE	176,089	236,324	709,640
C. AMERICA W.C.	S. AMERICA E.C.	1,553	3,529	6,478
C. AMERICA W.C.	U.S. EAST COAST	24,966	35,106	74,273
CENTRAL AMERICA E.C.,	WASIA	92,844	225,903	369,936
CENTRAL AMERICA E.C.,	WC. AMERICA W.C.	7,745	22,519	46,798
CENTRAL AMERICA E.C.,	WCANADA WEST COAST	24,481	69,733	132,718
CENTRAL AMERICA E.C.,	WOCEANIA	6,482	18,465	35,143
CENTRAL AMERICA E.C.,	WS. AMERICA W.C.	49,180	130,694	277,079
CENTRAL AMERICA E.C.,	WU.S. W.C., HAWAII	22,339	63,058	93,622
CANADA EAST COAST	ASIA	25,714	76,962	171,601
CANADA EAST COAST	C. AMERICA W.C.	6,483	8,760	21,635
CANADA EAST COAST	OCEANIA	753	1,478	2,932
CANADA EAST COAST	S. AMERICA W.C.	521	861	2,397
CANADA EAST COAST	U.S. W.C., HAWAII	753	1,272	1,886
CANADA WEST COAST	AFRICA	30	133	425
CANADA WEST COAST	ASIA	2,998	3,935	5,326
CANADA WEST COAST	CENTRAL AMERICA E.C., W	37,686	80,272	201,621
CANADA WEST COAST	EUROPE	709	1,899	3,230
CANADA WEST COAST	MIDDLE EAST	3,671	11,785	25,112
CANADA WEST COAST	S. AMERICA E.C.	353	588	1,519
CANADA WEST COAST	U.S. EAST COAST	52	146	296
EUROPE	C. AMERICA W.C.	114,913	247,746	496,185
EUROPE	CANADA WEST COAST	1,343	2,764	5,534
EUROPE	OCEANIA	138,856	317,996	654,178
EUROPE	S. AMERICA W.C.	10,589	23,353	51,541
EUROPE	U.S. W.C., HAWAII	13,477	50,592	79,877
MIDDLE EAST	S. AMERICA W.C.	1,419	4,042	7,693
MIDDLE EAST	U.S. W.C., HAWAII	2,309	5,149	22,307
OCEANIA	CANADA EAST COAST	4	5	9
OCEANIA	CENTRAL AMERICA E.C., W	56,703	35,916	81,922

Table 1.25 (cont'd.)

OCEANIA	EUROPE	44,671	112,162	171,305
OCEANIA	S. AMERICA E.C.	49,618	94,752	237,396
OCEANIA	U.S. EAST COAST	1,187	1,752	2,414
S. AMERICA E.C.	ASIA	1,224	1,922	2,627
S. AMERICA E.C.	C. AMERICA W.C.	24,819	55,216	105,447
S. AMERICA E.C.	CANADA WEST COAST	2,318	5,767	14,364
S. AMERICA E.C.	OCEANIA	1,333	3,697	7,408
S. AMERICA E.C.	S. AMERICA W.C.	102,896	284,442	573,361
S. AMERICA E.C.	U.S. W.C., HAWAII	860	4,203	9,880
S. AMERICA W.C.	AFRICA	90,374	206,214	378,944
S. AMERICA W.C.	CANADA EAST COAST	645	1,116	2,698
S. AMERICA W.C.	CENTRAL AMERICA E.C., W	85,656	212,623	457,702
S. AMERICA W.C.	EUROPE	5,628	12,246	21,177
S. AMERICA W.C.	S. AMERICA E.C.	71,511	181,053	356,976
S. AMERICA W.C.	U.S. EAST COAST	8,801	12,412	27,980
U.S. EAST COAST	ASIA	304,610	1,129,008	1,887,289
U.S. EAST COAST	C. AMERICA W.C.	50,593	111,285	238,514
U.S. EAST COAST	OCEANIA	19,848	48,701	82,342
U.S. EAST COAST	S. AMERICA W.C.	18,229	52,261	121,767
U.S. EAST COAST	U.S. W.C., HAWAII	25,407	59,560	66,495
U.S. W.C., HAWAII	AFRICA	791	2,183	6,474
U.S. W.C., HAWAII	CANADA EAST COAST	120	795	660
U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W	595	1,933	4,262
U.S. W.C., HAWAII	EUROPE	22,688	62,889	85,330
U.S. W.C., HAWAII	S. AMERICA E.C.	246	807	1,014
U.S. W.C., HAWAII	U.S. EAST COAST	28,728	36,586	70,040
TOTAL		2,548,960	6,064,663	11,572,237
69 ROUTES, NON-POTENTIAL TRADE				
U.S. East Coast	Asia	71,520	80,658	148,411
U.S. West Coast	Africa	469	816	2,455
Europe	Asia	312,640	846,785	1,629,887
Europe	Oceania	17,623	28,217	39,714
Africa	Asia	2,194	5,977	12,489
Africa	Oceania	428	233	1,609
Asia	U.S. East Coast	797	1,318	2,901
Asia	Europe	151,333	387,449	465,204
Asia	South America East Coas	187	126	142
Oceania	Europe	6,348	12,905	12,653
TOTAL		563,539	1,364,485	2,315,466
TOTAL BILATERAL TRADE (69 ROUTES)		3,112,499	7,429,148	13,887,702

Table 1.26

Iron Ores and Concentrates

Origin	Destination	1990 Tonnes	2020 Tonnes	2060 Tonnes
DETAILED, NON-POTENTIAL TRADE				
U.S. East Coast	Canada East Coast	3,091,358	5,286,651	9,278,180
U.S. East Coast	Carib./Cent. America EC	163	125	262
U.S. East Coast	Brazil	54	10	29
U.S. East Coast	South Asia	261	533	1,832
U.S. East Coast	Australia	15	65	115
U.S. Gulf Coast	Canada East Coast	15,426	26,380	46,299
U.S. West Coast	Other Far East Asia	539	28	28
U.S. West Coast	Japan	904	5,843	5,604
Canada East Coast	U.S. East Coast	7,046,848	5,387,725	8,627,293
Canada East Coast	U.S. Gulf Coast	2,255,226	1,724,251	2,761,021
Canada East Coast	Venezuela	79	0	0
Canada East Coast	North Europe	12,620,000	41,103,280	46,438,229
Canada East Coast	Mediterranean Europe	2,577,000	6,358,385	8,605,302
Canada West Coast	Southeast Asia NEC	489,000	2,758,597	6,238,724
Canada West Coast	Other Far East Asia	399	707	1,524
Canada West Coast	Japan	1,154	326	297
Venezuela	U.S. East Coast	2,292,733	4,240,671	3,009,644
Venezuela	U.S. Gulf Coast	1,210,162	2,238,332	1,588,565
Venezuela	North Europe	4,718,000	7,560,987	6,170,827
Venezuela	Mediterranean Europe	2,059,000	3,295,775	2,762,543
Venezuela	Australia	100,698	0	0
Chile	Japan	3,950,000	4,064,551	4,910,335
Brazil, Tubararo & Sepetib	Japan	20,132,767	69,035,765	83,405,886
Brazil, Tubararo & Sepetib	South Korea	4,729,111	12,927,772	8,648,314
Brazil, Tubararo & Sepetib	Southeast Asia NEC	2,553,757	6,305,607	4,218,273
Brazil	U.S. East Coast	2,455,026	5,696,126	4,194,467
Brazil	U.S. Gulf Coast	1,793,879	4,162,140	3,064,883
Brazil	Canada East Coast	405,000	724,563	930,329
Brazil	North Europe	37,011,095	59,665,828	38,921,561
Brazil	Mediterranean Europe	10,886,173	14,587,411	10,030,192
Brazil	Australia	374,225	0	0
W. South America NEC	U.S. West Coast	3	10	22
W. South America NEC	Japan	864,000	493,333	596,968
E. South America NEC	North Europe	26	0	0
E. South America NEC	Mediterranean Europe	133,000	0	0
North Europe	U.S. East Coast	53,806	32,085	14,220
North Europe	U.S. Gulf Coast	122	289	325
North Europe	Mexico East Coast	139	101	149
North Europe	Carib./Cent. America EC	5,544	1,465	2,915
North Europe	Venezuela	462	46	69
North Europe	E. South America NEC	87	125	274
North Europe	North Africa/East Med	364,147	1,562,956	2,072,119
North Europe	Saudi Arabia	345,000	1,462,930	2,375,009
North Europe	Other Middle East	263,046	41,011	35,758
North Europe	South Asia	10,046	8,333	19,333
North Europe	Thailand	1,127	2,435	2,610
North Europe	Southeast Asia NEC	1,187,930	2,711,290	2,198,670
North Europe	Singapore	4,643	68	121
North Europe	Other Far East Asia	8,473	33,152	53,427
North Europe	Japan	441,366	642,720	248,961
North Europe	Australia	3,780	5,538	8,968
North Europe	West Africa	433	1,844	5,551
North Europe	South Africa	591	686	1,529
Mediterranean Europe	U.S. East Coast	247	0	0
Mediterranean Europe	U.S. Gulf Coast	306	0	0
Mediterranean Europe	North Africa/East Med	24,548	2,483	6,143
Mediterranean Europe	Other Far East Asia	41	0	0
Mediterranean Europe	Australia	1,014	0	0
Mediterranean Europe	East Africa	700	6,733	21,352
Mediterranean Europe	South Africa	2,591	0	0
North Africa/East Med	North Europe	39,214	107,690	241,053

Table 1.26 (cont'd.)

	North Africa/East Med	Mediterranean Europe	138,000	8,219	20,885
	Saudi Arabia	North Europe	283,000	0	0
	South Asia	North Europe	1,051,040	614,771	915,535
	South Asia	Mediterranean Europe	1,227,000	4,147,398	7,264,468
	South Asia	Japan	20,753,000	32,568,493	52,882,516
	South Asia	Australia	433,571	988,250	2,480,967
	Southeast Asia NEC	Japan	4,916,000	2,070,533	2,482,575
	Southeast Asia NEC	Australia	201,319	100,602	212,566
	Other Far East Asia	U.S. West Coast	13	0	0
	Other Far East Asia	North Europe	2,000	0	0
*	Other Far East Asia	North Europe	3,645	4,520	4,374
	Other Far East Asia	Japan	138,172	354,056	489,579
	Other Far East Asia	Australia	34	0	0
	Japan	North Europe	81	9	3
	Japan	Southeast Asia NEC	466	0	0
	Japan	Other Far East Asia	852	0	0
	Australia	U.S. East Coast	13,850	32,340	50,807
	Australia	North Europe	15,506,200	32,237,385	33,754,948
	Australia	Mediterranean Europe	2,394,000	5,380,670	5,726,632
	Australia	Other Middle East	15,000	0	0
	Australia	South Asia	416,000	752,991	1,850,139
	Australia	Southeast Asia NEC	886,000	0	0
	Australia	Other Far East Asia	14,279,000	42,662,815	89,343,896
	Australia	Japan	53,852,000	85,261,536	80,461,123
	Australia	Other Oceania	466	194	179
	Other Oceania	Other Far East Asia	356	1,112	2,834
	Other Oceania	Japan	1,275,000	2,229,639	2,735,956
	Other Oceania	Australia	222,428	46,563	137,505
	West Africa	U.S. East Coast	667,812	349,390	358,538
	West Africa	North Europe	9,680,073	11,361,471	7,671,476
	West Africa	Mediterranean Europe	4,603,000	11,090,918	8,462,122
	West Africa	Japan	219,000	396,752	357,880
	East Africa	North Europe	81	0	0
	East Africa	Mediterranean Europe	288	0	0
	South Africa	North Europe	4,419,000	11,158,322	13,236,629
	South Africa	Mediterranean Europe	3,970,270	11,369,256	11,293,017
	South Africa	Japan	4,805,000	13,058,019	12,469,104

Table 1-16 (cont'd.)

DETAILED, POTENTIAL TRADE

U.S. East Coast	Colombia West Coast	299	248	511
U.S. East Coast	W. South America NEC	36	30	61
U.S. West Coast	North Europe	23,177	62,069	49,976
Canada East Coast	Other Far East Asia	664,601	1,178,041	2,538,873
Canada East Coast	Japan	1,921,846	542,920	494,783
Mexico West Coast	U.S. Gulf Coast	105,976	194,997	201,355
Venezuela	U.S. West Coast	47,012	92,613	124,666
Venezuela	Japan	1,798,000	1,773,517	1,230,685
Chile	U.S. Gulf Coast	136,876	460,171	1,036,484
Chile	North Europe	1,577,000	2,885,910	3,881,829
Chile	Mediterranean Europe	15,000	16,404	10,974
Brazil, Ponta da Madeira	Japan	10,066,233	34,002,690	41,080,511
Brazil, Ponta da Madeira	South Korea	2,364,520	6,367,410	4,259,617
Brazil, Ponta da Madeira	Southeast Asia NEC	1,276,859	3,105,747	2,077,657
W. South America NEC	U.S. East Coast	58,137	199,690	412,771
W. South America NEC	U.S. Gulf Coast	20	68	144
W. South America NEC	Mediterranean Europe	173	317	395
Total Trade (all routes)		292,955,267	198,427,985	216,751,555
Total Potential Trade		20,055,765	50,882,843	57,401,293

Table 1.26 (cont'd.)

69 ROUTES, POTENTIAL TRADE				
C. AMERICA W.C.	U.S. EAST COAST	105,976	194,997	201,355
S. AMERICA E.C.	ASIA	15,505,612	45,249,364	48,648,470
S. AMERICA E.C.	U.S. W.C., HAWAII	47,012	92,613	124,666
S. AMERICA W.C.	EUROPE	1,592,173	2,902,632	3,893,198
S. AMERICA W.C.	U.S. EAST COAST	195,033	659,930	1,449,399
U.S. EAST COAST	S. AMERICA W.C.	335	278	573
U.S. W.C., HAWAII	EUROPE	23,177	62,069	49,976
CANADA EAST COAST	ASIA	2,586,447	1,720,961	3,033,656
TOTAL		20,055,765	50,882,843	57,401,293
69 ROUTES, NON-POTENTIAL TRADE				
U.S. East Coast	Oceania	15	65	115
U.S. East Coast	Asia	261	533	1,832
S. America E.C.	Oceania	474,923	0	0
S. America E.C.	Asia	27,415,635	88,269,144	96,272,473
Europe	Oceania	4,794	5,538	8,968
Europe	Asia	1,653,626	3,397,998	2,523,122
Africa	Asia	5,024,000	13,454,771	12,826,984
Oceania	U.S. East Coast	13,850	32,340	50,807
Oceania	Europe	17,900,200	37,618,055	39,481,580
Asia	Europe	2,283,766	4,766,698	8,184,380
TOTAL		54,771,070	147,545,142	159,350,262
BILATERAL TRADE (69 ROUTES)		74,826,836	198,427,985	216,751,555

Table 1.27

Minor Bulks/All Other

Origin	Destination	1990 Tonnes	2020 Tonnes	2060 Tonnes
DETAILED, NON-POTENTIAL TRADE				
U.S. East Coast	Canada East Coast	4,435,964	7,925,053	13,621,081
U.S. East Coast	Mexico East Coast	134,804	107,121	125,711
U.S. East Coast	Carib./Cent. America EC	794,468	2,025,334	4,316,647
U.S. East Coast	Colombia East Coast	87,837	60,648	90,504
U.S. East Coast	Venezuela	179,752	166,442	346,232
U.S. East Coast	Brazil	38,461	57,870	108,304
U.S. East Coast	Argentina	32,117	5,258	6,978
U.S. East Coast	E. South America NEC	4,361	16,335	36,873
U.S. East Coast	North Europe	2,642,787	9,357,484	12,012,219
U.S. East Coast	Mediterranean Europe	4,135,010	8,161,213	9,760,516
U.S. East Coast	North Africa/East Med	567,119	3,414,025	10,996,418
U.S. East Coast	Saudi Arabia	300,252	277,524	1,007,817
U.S. East Coast	Other Middle East	69,566	223,465	444,052
U.S. East Coast	South Asia	863,316	1,203,699	2,385,059
U.S. East Coast	Thailand	74,922	108,525	165,231
U.S. East Coast	Singapore	67,529	170,463	266,003
U.S. East Coast	West Africa	13,716	37,497	142,329
U.S. East Coast	East Africa	3,330	16,640	38,662
U.S. East Coast	South Africa	51,200	89,685	272,387
U.S. Gulf Coast	Canada East Coast	33,219	62,130	109,423
U.S. Gulf Coast	Mexico East Coast	430,180	728,132	1,910,527
U.S. Gulf Coast	Carib./Cent. America EC	1,155,082	2,936,486	6,297,590
U.S. Gulf Coast	Colombia East Coast	65,613	72,971	108,586
U.S. Gulf Coast	Venezuela	466,801	856,501	1,896,145
U.S. Gulf Coast	Brazil	301,318	204,346	347,660
U.S. Gulf Coast	Argentina	3,946	1,387	1,705
U.S. Gulf Coast	E. South America NEC	6,126	17,341	38,385
U.S. Gulf Coast	North Europe	13,208,224	39,210,407	54,064,824
U.S. Gulf Coast	Mediterranean Europe	5,778,284	17,341,478	21,796,941
U.S. Gulf Coast	North Africa/East Med	1,616,457	5,627,396	18,048,437
U.S. Gulf Coast	Saudi Arabia	282,245	808,768	1,409,136
U.S. Gulf Coast	Other Middle East	448,719	1,396,088	3,268,412
U.S. Gulf Coast	South Asia	290,002	315,773	681,748
U.S. Gulf Coast	Singapore	39,919	87,411	150,413
U.S. Gulf Coast	West Africa	324,893	840,093	2,620,983
U.S. Gulf Coast	East Africa	56,447	359,825	1,146,311
U.S. Gulf Coast	South Africa	114,629	248,179	629,786
U.S. West Coast	Canada West Coast	637,222	1,146,921	1,979,763
U.S. West Coast	Mexico West Coast	188,427	637,673	1,407,723
U.S. West Coast	Carib./Cent. America WC	28,241	66,441	136,504
U.S. West Coast	Chile	7,287	17,137	37,285
U.S. West Coast	W. South America NEC	38,841	51,408	110,289
U.S. West Coast	Saudi Arabia	466,305	295,962	1,171,922
U.S. West Coast	Other Middle East	121,642	316,840	510,332
U.S. West Coast	South Asia	1,127,415	1,275,088	2,762,913
U.S. West Coast	Thailand	76,476	159,376	284,350
U.S. West Coast	Southeast Asia NEC	314,781	312,034	568,838
U.S. West Coast	Singapore	112,910	340,651	522,395
U.S. West Coast	Other Far East Asia	7,745,712	77,992,141	17,417,756
U.S. West Coast	Japan	21,182,390	86,379,241	83,818,397
U.S. West Coast	Australia	371,395	1,121,258	1,931,344
U.S. West Coast	Other Oceania	79,787	137,463	285,583
U.S. West Coast	East Africa	35	153	420
Canada East Coast	U.S. East Coast	11,037,265	49,814,893	88,812,510
Canada East Coast	U.S. Gulf Coast	1,246,535	5,388,942	9,470,821
Canada West Coast	U.S. West Coast	3,928,061	14,593,118	26,001,245
Canada East Coast	Mexico East Coast	210,033	435,680	1,043,453
Canada East Coast	Carib./Cent. America EC	176,229	116,185	258,694
Canada West Coast	Mexico West Coast	67,633	148,507	353,869
Canada West Coast	Carib./Cent. America WC	56,747	33,630	71,890
Canada West Coast	Chile	29,198	42,592	100,951

Table 1.27 (cont'd.)

Canada West Coast	W. South America NEC	4,885	4,609	10,652
Canada East Coast	Colombia East Coast	48,574	58,850	139,925
Canada East Coast	Venezuela	25,442	6,689	15,496
Canada East Coast	Brazil	263,543	80,798	188,826
Canada East Coast	Argentina	87,832	44,844	95,543
Canada East Coast	E. South America NEC	13,164	11,940	27,785
Canada East Coast	North Europe	3,856,696	7,330,261	10,032,279
Canada East Coast	Mediterranean Europe	774,711	1,482,398	1,942,658
Canada East Coast	Saudi Arabia	1,092,254	3,540,257	10,995,058
Canada East Coast	Other Middle East	262,717	432,558	1,717,154
Canada West Coast	South Asia	328,326	505,910	1,482,478
Canada West Coast	Thailand	196,807	172,106	336,405
Canada West Coast	Southeast Asia NEC	435,971	1,801,166	3,979,833
Canada West Coast	Singapore	48,295	41,575	92,820
Canada West Coast	Other Far East Asia	1,250,943	3,053,210	7,057,432
Canada West Coast	Japan	10,786,779	23,556,138	25,625,727
Canada West Coast	Australia	571,433	797,150	1,401,781
Canada West Coast	Other Oceania	186,214	213,835	556,889
Canada East Coast	East Africa	3,814	18,690	74,340
Canada East Coast	North Africa/East Med	819,505	2,492,952	4,530,465
Canada East Coast	West Africa	24,429	117,271	440,425
Canada East Coast	South Africa	105,194	130,218	344,147
Mexico East Coast	U.S. East Coast	881,399	1,841,799	2,407,490
Mexico East Coast	U.S. Gulf Coast	2,458,862	5,907,424	8,661,324
Mexico West Coast	U.S. West Coast	3,194,728	6,716,621	9,779,594
Mexico East Coast	Canada East Coast	331,935	432,987	1,332,575
Mexico West Coast	Canada West Coast	207,876	270,108	840,671
Mexico East Coast	North Europe	141,959	774,257	1,209,873
Mexico East Coast	Mediterranean Europe	89,161	113,400	175,411
Mexico West Coast	Japan	2,775,498	2,697,100	3,311,733
Mexico West Coast	Australia	31,419	2,074	4,412
Mexico West Coast	Other Oceania	138,263	118,218	472,587
Carib./Cent. America ECU.S. East Coast		2,380,474	443,767	1,177,459
Carib./Cent. America ECU.S. Gulf Coast		743,990	61,066	213,754
Carib./Cent. America WCU.S. West Coast		43,504	24,558	54,389
Carib./Cent. America ECNorth Europe		809,248	877,475	1,149,513
Carib./Cent. America ECMediterranean Europe		133,488	83,969	88,833
Carib./Cent. America ECCanada East Coast		222,461	30,389	58,846
Carib./Cent. America WCCanada West Coast		145,773	15,851	30,757
Carib./Cent. America WCJapan		61,199	35,165	40,538
Carib./Cent. America WCAustralia		448	495	1,308
Carib./Cent. America WCOther Oceania		57	74	187
Colombia East Coast	U.S. East Coast	537,775	653,538	1,412,432
Colombia East Coast	Canada East Coast	12,808	117	260
Colombia East Coast	North Europe	19,916	34,759	55,965
Colombia East Coast	Mediterranean Europe	12,682	30,686	50,250
Colombia West Coast	Japan	4,371	14,469	17,402
Venezuela	U.S. East Coast	2,177,475	4,866,334	11,922,027
Venezuela	U.S. Gulf Coast	982,742	783,868	1,811,530
Venezuela	Canada East Coast	17,297	446	1,028
Venezuela	North Europe	67,093	277,375	470,127
Venezuela	Mediterranean Europe	125,145	184,920	499,332
Venezuela	Australia	237	0	0
Chile	U.S. West Coast	33,138	34,715	80,582
Chile	Canada West Coast	58,888	75,688	175,234
Chile	Japan	2,303,224	6,234,617	7,949,647
Chile	Australia	27,402	66,940	141,768
Chile	Other Oceania	2,999	2,500	6,374
Brazil	U.S. East Coast	1,243,109	1,527,363	2,726,925
Brazil	U.S. Gulf Coast	777,793	833,572	1,406,401
Brazil	Canada East Coast	36,783	37,869	77,815
Brazil	North Europe	9,632,099	13,097,787	19,554,702
Brazil	Mediterranean Europe	5,040,136	10,353,901	15,595,874
Brazil	Australia	41,364	31,609	50,127
Brazil	Other Oceania	4,279	1,693	3,484
Argentina	U.S. East Coast	156,705	288,805	556,825
Argentina	U.S. Gulf Coast	145,295	283,705	529,815

Table 1-17 (cont'd.)

Argentina	Canada East Coast	2,361	1,130	2,722
Argentina	North Europe	6,255,747	9,698,207	14,460,972
Argentina	Mediterranean Europe	2,342,930	1,644,132	3,364,682
Argentina	Japan	272,935	244,593	241,939
Argentina	Australia	44,528	48,708	85,567
Argentina	Other Oceania	104	73	156
W. South America NEC	U.S. West Coast	14,689	11,060	17,443
W. South America NEC	Canada West Coast	1,038	412	939
W. South America NEC	Japan	29,209	50,998	62,222
W. South America NEC	Australia	1,479	1,229	2,502
W. South America NEC	Other Oceania	622	858	2,263
E. South America NEC	U.S. East Coast	51,003	30,671	51,188
E. South America NEC	U.S. Gulf Coast	371	1,137	2,792
E. South America NEC	Canada East Coast	102	0	0
E. South America NEC	North Europe	1,085,656	1,308,242	2,581,833
E. South America NEC	Mediterranean Europe	509,235	973,182	1,807,946
E. South America NEC	Japan	50,507	109,477	142,833
North Europe	U.S. East Coast	4,199,661	5,880,394	7,203,207
North Europe	U.S. Gulf Coast	2,712,196	3,967,221	5,766,785
North Europe	Canada East Coast	636,324	540,386	580,843
North Europe	Mexico East Coast	453,893	194,153	215,290
North Europe	Carib./Cent. America EC	540,759	523,333	725,059
North Europe	Venezuela	232,402	158,651	129,326
North Europe	Brazil	238,233	167,273	278,666
North Europe	Argentina	28,364	15,098	17,620
North Europe	E. South America NEC	5,342	3,317	4,283
North Europe	North Africa/East Med	6,516,647	12,578,641	32,246,338
North Europe	Saudi Arabia	1,488,726	3,959,229	11,449,673
North Europe	Other Middle East	2,559,147	2,280,294	4,468,294
North Europe	South Asia	1,976,089	3,303,154	6,088,671
North Europe	Thailand	317,359	742,154	1,029,529
North Europe	Southeast Asia NEC	1,124,558	1,410,518	2,326,695
North Europe	Singapore	384,805	222,310	379,333
North Europe	Other Far East Asia	1,756,542	5,493,776	10,947,347
North Europe	Japan	8,117,222	3,832,421	3,995,276
North Europe	Australia	180,830	215,231	294,774
North Europe	West Africa	2,226,805	5,217,683	14,204,341
North Europe	East Africa	728,180	2,569,636	6,386,967
North Europe	South Africa	214,514	251,633	500,261
Mediterranean Europe	U.S. East Coast	3,087,039	5,891,026	9,699,682
Mediterranean Europe	U.S. Gulf Coast	1,071,224	1,153,243	1,644,509
Mediterranean Europe	Canada East Coast	509,863	723,383	1,154,150
Mediterranean Europe	Mexico East Coast	135,703	39,934	45,803
Mediterranean Europe	Carib./Cent. America EC	172,851	191,964	418,977
Mediterranean Europe	Venezuela	151,992	160,230	243,194
Mediterranean Europe	Brazil	47,387	40,787	42,683
Mediterranean Europe	Argentina	28,033	18,424	21,548
Mediterranean Europe	E. South America NEC	1,893	1,720	2,214
Mediterranean Europe	North Africa/East Med	5,834,098	7,160,654	16,336,804
Mediterranean Europe	Saudi Arabia	832,602	1,393,313	3,956,089
Mediterranean Europe	Other Middle East	1,804,394	1,493,545	4,527,041
Mediterranean Europe	South Asia	245,594	350,462	476,473
Mediterranean Europe	Thailand	630,129	143,964	253,306
Mediterranean Europe	Southeast Asia NEC	230,853	180,472	279,207
Mediterranean Europe	Singapore	158,204	50,434	74,837
Mediterranean Europe	Other Far East Asia	1,331,628	1,281,608	2,028,287
Mediterranean Europe	Japan	1,005,441	1,022,646	1,083,571
Mediterranean Europe	Australia	171,681	54,043	44,278
Mediterranean Europe	Other Oceania	10,765	17,132	30,031
Mediterranean Europe	West Africa	1,917,465	4,640,611	11,287,248
Mediterranean Europe	East Africa	575,904	3,616,265	13,633,398
Mediterranean Europe	South Africa	135,721	101,294	220,768
* Europe	Asia	68,885	206,016	337,946
North Africa/East Med	U.S. East Coast	87,231	227,590	834,628
North Africa/East Med	U.S. Gulf Coast	33,956	58,425	155,302
North Africa/East Med	Canada East Coast	32,666	217,773	985,913
North Africa/East Med	North Europe	836,836	1,416,608	3,809,874

Table 1.27 (cont'd.)

North Africa/East Med	Mediterranean Europe	2,286,563	7,857,485	20,093,761
North Africa/East Med	Japan	251,821	426,830	978,665
North Africa/East Med	Australia	1,425	2,136	4,903
North Africa/East Med	Other Oceania	955	770	2,635
Saudi Arabia	U.S. East Coast	14	0	0
Saudi Arabia	U.S. Gulf Coast	362	1,803	8,374
Saudi Arabia	Canada East Coast	10	0	0
Saudi Arabia	North Europe	15,146	33,061	100,789
Saudi Arabia	Mediterranean Europe	110,540	105,961	426,128
Saudi Arabia	Japan	37,409	46,901	113,721
Saudi Arabia	Australia	16	17	17
Saudi Arabia	Other Oceania	100	102	102
Other Middle East	U.S. East Coast	7,014	5,286	6,204
Other Middle East	U.S. Gulf Coast	1,558	0	0
Other Middle East	Canada East Coast	15,025	0	0
Other Middle East	North Europe	78,397	101,951	253,900
Other Middle East	Mediterranean Europe	510,617	158,529	602,390
Other Middle East	Japan	113,361	63,638	64,305
Other Middle East	Australia	15	1	1
South Asia	U.S. East Coast	79,427	101,770	295,004
South Asia	U.S. Gulf Coast	155,787	180,301	498,552
South Asia	U.S. West Coast	41,977	97,122	253,663
South Asia	Canada West Coast	6,087	7,178	13,100
South Asia	North Europe	2,100,294	3,146,222	4,906,462
South Asia	Mediterranean Europe	914,119	1,720,466	2,418,310
South Asia	Japan	674,598	1,448,674	2,186,248
South Asia	Australia	26,799	36,923	89,824
South Asia	Other Oceania	2,879	2,505	7,231
Thailand	U.S. East Coast	33,269	26,406	54,806
Thailand	U.S. West Coast	77,534	363,816	773,509
Thailand	Canada West Coast	11,886	17,302	40,148
Thailand	North Europe	546,997	1,117,513	2,267,945
Thailand	Mediterranean Europe	108,843	211,885	309,838
Thailand	Japan	3,767,935	8,809,653	12,153,498
Thailand	Australia	38,866	44,652	89,210
Thailand	Other Oceania	37,383	78,764	215,445
Southeast Asia NEC	U.S. West Coast	228,221	666,307	1,488,364
Southeast Asia NEC	Canada West Coast	47,353	198,519	485,031
Southeast Asia NEC	North Europe	4,197,573	10,242,249	16,966,178
Southeast Asia NEC	Mediterranean Europe	454,115	493,085	805,432
Southeast Asia NEC	Japan	7,883,850	12,260,028	15,221,651
Southeast Asia NEC	Australia	165,019	219,918	510,824
Southeast Asia NEC	Other Oceania	29,583	73,704	205,106
Singapore	U.S. East Coast	14,135	66,207	152,116
Singapore	U.S. Gulf Coast	14,426	49,798	113,943
Singapore	U.S. West Coast	26,488	147,916	340,526
Singapore	Canada West Coast	2,752	2,546	5,814
Singapore	North Europe	201,274	444,989	760,089
Singapore	Mediterranean Europe	12,526	38,721	70,572
Singapore	Japan	149,211	648,777	866,562
Singapore	Australia	33,603	33,978	71,495
Singapore	Other Oceania	6,588	13,612	36,360
Other Far East Asia	U.S. West Coast	1,254,629	2,500,683	6,371,368
Other Far East Asia	Canada West Coast	81,717	97,527	266,845
Other Far East Asia	North Europe	1,554,573	4,462,795	8,949,761
Other Far East Asia	Mediterranean Europe	631,793	2,329,743	4,464,598
Other Far East Asia	Japan	14,182,292	30,506,742	45,364,122
Other Far East Asia	Australia	161,539	258,694	660,462
Other Far East Asia	Other Oceania	32,064	110,884	329,666
Japan	U.S. West Coast	2,928,983	2,230,272	2,088,518
Japan	Canada West Coast	114,691	31,526	24,643
Japan	Colombia West Coast	59,429	4,128	4,600
Japan	Chile	22,469	5,496	3,879
Japan	Argentina	9,662	1,966	1,207
Japan	W. South America NEC	23,118	10,610	7,677
Japan	E. South America NEC	533	546	464
Japan	North Europe	766,612	337,161	204,024

Table 1.27 (cont'd.)

Japan	Mediterranean Europe	94,316	105,170	67,551
Japan	North Africa/East Med	102,349	60,930	81,523
Japan	Saudi Arabia	279,261	391,038	586,019
Japan	Other Middle East	835,727	180,505	172,707
Japan	South Asia	628,526	720,809	695,322
Japan	Thailand	2,346,766	1,237,376	872,745
Japan	Southeast Asia NEC	2,279,608	1,002,845	883,558
Japan	Singapore	1,930,213	1,118,353	1,221,860
Japan	Other Far East Asia	10,882,329	19,664,972	22,336,233
Japan	Australia	1,685,261	3,332,523	3,477,090
Japan	Other Oceania	323,897	88,874	96,699
Japan	West Africa	140,930	52,879	66,206
Japan	East Africa	93,154	187,391	246,983
Japan	South Africa	55,255	47,725	62,739
* Asia	Europe	26,759	69,574	131,655
Australia	U.S. West Coast	511,585	894,645	1,107,839
Australia	Canada West Coast	9,927	2,482	1,848
Australia	Colombia West Coast	47,033	0	0
Australia	Chile	21,006	17,444	36,983
Australia	Brazil	324	0	0
Australia	Argentina	64	0	0
Australia	W. South America NEC	129,026	165,911	360,838
Australia	E. South America NEC	1	0	0
Australia	North Europe	177,548	235,261	264,330
Australia	Mediterranean Europe	122,240	277,578	502,226
Australia	North Africa/East Med	54,736	222,236	725,698
Australia	Saudi Arabia	702,283	460,892	1,132,791
Australia	Other Middle East	749,722	2,107,937	6,057,479
Australia	South Asia	54,649	70,987	106,848
Australia	Thailand	74,320	143,052	276,639
Australia	Southeast Asia NEC	1,124,348	856,573	1,400,608
Australia	Singapore	173,044	89,099	146,056
Australia	Other Far East Asia	2,657,540	7,683,351	16,477,785
Australia	Japan	10,974,698	29,818,145	31,682,518
Australia	Other Oceania	411,510	288,354	516,653
Australia	West Africa	89,027	307,808	1,007,117
Australia	East Africa	41,544	7,048	10,603
Australia	South Africa	1,313	853	2,281
Other Oceania	U.S. West Coast	192,412	137,866	165,041
Other Oceania	Canada West Coast	7,715	2,779	3,349
Other Oceania	Chile	128	181	510
Other Oceania	Brazil	1,300	16	31
Other Oceania	Argentina	119	167	469
Other Oceania	W. South America NEC	10	3	8
Other Oceania	E. South America NEC	8	6	17
Other Oceania	Mediterranean Europe	19,637	54,061	129,388
Other Oceania	North Africa/East Med	70	56	88
Other Oceania	Saudi Arabia	27,800	365,412	847,691
Other Oceania	Other Middle East	645	1,778	6,677
Other Oceania	South Asia	15,870	70,582	275,800
Other Oceania	Thailand	30,319	63,861	107,564
Other Oceania	Southeast Asia NEC	131,577	202,818	451,937
Other Oceania	Singapore	27,196	86,326	200,566
Other Oceania	Other Far East Asia	883,437	2,025,436	4,393,187
Other Oceania	Japan	3,363,274	7,089,913	9,014,786
Other Oceania	Australia	472,505	876,636	2,111,947
Other Oceania	Other Oceania	148,050	219,590	474,529
Other Oceania	West Africa	98	0	0
Other Oceania	East Africa	134	166	611
Other Oceania	South Africa	489	608	1,908
West Africa	U.S. East Coast	119,590	501,063	1,665,759
West Africa	U.S. Gulf Coast	20,993	157,177	573,065
West Africa	Canada East Coast	1,018	1,273	3,665
West Africa	North Europe	2,585,433	4,273,101	9,021,513
West Africa	Mediterranean Europe	2,293,763	7,689,320	15,468,632
West Africa	Japan	132,044	529,884	817,318
West Africa	Australia	195	191	539

Table 1.27 (cont'd.)

	West Africa	Other Oceania	639	817	1,554
	East Africa	U.S. East Coast	166,300	333,150	1,364,922
	East Africa	U.S. Gulf Coast	142,426	432,086	1,721,364
	East Africa	U.S. West Coast	1,671	2,943	12,375
	East Africa	Canada East Coast	122,680	66,822	254,095
	East Africa	North Europe	1,451,881	4,314,925	11,190,270
	East Africa	Mediterranean Europe	442,511	1,529,778	4,160,513
	East Africa	Japan	367,108	1,309,314	2,824,560
	East Africa	Australia	4,798	9,631	42,289
	East Africa	Other Oceania	1,597	4,750	23,298
	South Africa	U.S. East Coast	194,457	291,633	450,020
	South Africa	U.S. Gulf Coast	601,262	855,281	2,540,809
	South Africa	Canada East Coast	28,065	59,445	244,807
	South Africa	North Europe	1,622,496	2,665,670	5,177,738
	South Africa	Mediterranean Europe	1,114,354	2,009,790	4,537,914
	South Africa	Japan	1,223,291	1,564,361	2,259,343
	South Africa	Australia	26,661	25,249	85,152
	South Africa	Other Oceania	1,596	2,666	12,152
*	Africa	Asia	120	383	789
	DETAILED, POTENTIAL TRADE				
	U.S. East Coast	Chile	70,937	157,473	327,197
	U.S. East Coast	W. South America NEC	173,810	301,909	681,808
	U.S. East Coast	Southeast Asia NEC	290,270	420,459	640,155
	U.S. East Coast	Other Far East Asia	2,433,566	3,525,041	5,366,930
	U.S. East Coast	Japan	2,405,525	3,484,424	5,305,089
	U.S. East Coast	Australia	82,755	106,023	239,844
	U.S. East Coast	Other Oceania	7,254	9,294	21,024
	U.S. Gulf Coast	Chile	23,565	26,074	60,670
	U.S. Gulf Coast	W. South America NEC	223,157	218,199	438,314
	U.S. Gulf Coast	Thailand	64,514	93,449	142,278
	U.S. Gulf Coast	Southeast Asia NEC	410,327	594,362	904,926
	U.S. Gulf Coast	Other Far East Asia	2,839,642	4,113,246	6,262,481
	U.S. Gulf Coast	Japan	4,409,575	6,387,308	9,724,775
	U.S. Gulf Coast	Australia	87,848	112,548	254,604
	U.S. Gulf Coast	Other Oceania	22,620	28,980	65,558
	U.S. East Coast	U.S. West Coast	869	869	869
	U.S. East Coast	Carib./Cent. America WC	291,379	482,223	1,431,812
	U.S. West Coast	U.S. East Coast	190,594	209,679	245,768
	U.S. West Coast	Canada East Coast	15,713	30,953	55,954
	U.S. West Coast	Colombia East Coast	18,520	23,544	38,184
	U.S. West Coast	Venezuela	14,678	18,660	30,262
	U.S. West Coast	Brazil	51,959	66,055	107,126
	U.S. West Coast	Argentina	7,215	9,172	14,876
	U.S. West Coast	E. South America NEC	161	205	332
	U.S. West Coast	North Europe	509,998	2,070,085	3,149,742
	U.S. West Coast	Mediterranean Europe	435,283	1,766,817	2,688,303
	U.S. West Coast	North Africa/East Med	313,863	1,236,127	3,847,030
	U.S. West Coast	West Africa	12,754	50,231	156,326
	U.S. West Coast	South Africa	5,889	23,193	72,182
	Canada West Coast	U.S. East Coast	580,909	1,351,282	2,281,393
	Canada West Coast	U.S. Gulf Coast	65,607	152,612	257,658
	Canada West Coast	Carib./Cent. America EC	20,175	24,382	65,289
	Canada East Coast	Carib./Cent. America WC	9,979	14,226	43,876
	Canada West Coast	Colombia East Coast	17,720	24,911	35,647
	Canada West Coast	Venezuela	9,281	13,048	18,671
	Canada East Coast	Chile	80,036	164,602	473,419
	Canada West Coast	Brazil	96,145	135,160	193,408
	Canada West Coast	Argentina	32,042	45,045	64,458
	Canada East Coast	W. South America NEC	13,390	27,538	79,204
	Canada West Coast	E. South America NEC	4,802	6,751	9,661
	Canada West Coast	North Europe	3,358,825	5,617,964	9,129,938
	Canada West Coast	Mediterranean Europe	674,701	1,128,504	1,833,969
	Canada West Coast	Middle East	259,463	948,196	2,827,174
	Canada West Coast	North Africa/East Med	1,022,079	1,658,395	2,520,546
	Canada East Coast	Other Far East Asia	126,899	263,812	412,558
	Canada East Coast	Japan	1,094,242	2,274,834	3,557,458

Table 1.27 (cont'd.)

Canada East Coast	Australia	57,968	98,720	228,591
Canada East Coast	Other Oceania	18,890	32,170	74,491
Canada West Coast	West Africa	30,468	49,436	75,137
Canada West Coast	South Africa	131,197	212,876	323,544
Carib./Cent. America WC	U.S. East Coast	1,380,510	1,306,673	1,965,391
Carib./Cent. America EC	U.S. West Coast	40,676	62,641	54,506
Carib./Cent. America WC	Canada East Coast	10,308	3,706	7,876
Carib./Cent. America EC	Canada West Coast	9,979	14,808	29,615
Carib./Cent. America EC	Carib./Cent. America WC	28,498	69,068	168,406
Carib./Cent. America WC	Carib./Cent. America EC	186,026	447,164	1,041,680
Carib./Cent. America EC	South America West Coas	41,420	101,716	240,432
Carib./Cent. America WC	South America East Coas	75,614	173,328	340,803
Carib./Cent. America WC	Europe	295,446	666,293	898,649
Carib./Cent. America EC	Asia	1,374,642	892,546	1,086,466
Carib./Cent. America EC	Oceania	12,623	18,730	37,461
Carib./Cent. America WC	Africa	97,701	177,815	262,815
Colombia West Coast	U.S. East Coast	453,232	539,539	1,157,484
Colombia West Coast	U.S. Gulf Coast	84,544	113,999	254,949
Colombia East Coast	U.S. West Coast	255,765	345,355	773,134
Colombia East Coast	Canada West Coast	8,247	6,494	13,432
Venezuela	U.S. West Coast	82,626	52,069	116,983
Venezuela	Canada West Coast	11,138	8,771	18,141
Venezuela	Japan	339,898	274,339	314,794
Chile	U.S. East Coast	725,288	442,831	699,014
Chile	U.S. Gulf Coast	102,944	122,677	262,527
Chile	Canada East Coast	91,452	171,015	395,901
Chile	North Europe	1,239,757	3,343,544	6,018,038
Chile	Mediterranean Europe	567,349	1,530,103	2,754,030
Brazil	U.S. West Coast	587,691	535,821	795,459
Brazil	Canada West Coast	23,686	18,652	38,577
Brazil	Japan	3,507,933	7,042,518	7,565,617
Argentina	U.S. West Coast	17,484	32,386	58,910
Argentina	Canada West Coast	1,521	1,197	2,477
W. South America NEC	U.S. East Coast	78,908	110,627	218,044
W. South America NEC	U.S. Gulf Coast	185,691	144,747	240,421
W. South America NEC	Canada East Coast	1,613	3,016	6,981
W. South America NEC	North Europe	364,654	983,448	1,770,106
W. South America NEC	Mediterranean Europe	104,780	282,585	508,624
E. South America NEC	U.S. West Coast	3,324	10,078	24,736
E. South America NEC	Canada West Coast	66	52	107
South America East Coas	Carib./Cent. America WC	232,177	424,264	745,803
South America West Coas	Carib./Cent. America EC	72,569	156,646	273,153
South America East Coas	South America West Coas	148,117	308,782	612,050
South America West Coas	South America East Coas	91,907	225,210	407,950
South America West Coas	Middle East	25,045	27,549	30,304
South America West Coas	Africa	20,948	59,972	117,523
North Europe	U.S. West Coast	567,301	1,162,401	1,829,530
North Europe	Canada West Coast	64,859	71,513	98,178
North Europe	Colombia West Coast	67,972	83,422	142,989
North Europe	Chile	61,973	76,059	130,369
North Europe	W. South America NEC	90,291	110,814	189,940
Mediterranean Europe	U.S. West Coast	361,600	740,919	1,166,150
Mediterranean Europe	Canada West Coast	51,969	57,301	78,667
Mediterranean Europe	Colombia West Coast	12,647	15,522	26,605
Mediterranean Europe	Chile	8,305	10,193	17,471
Mediterranean Europe	W. South America NEC	20,499	25,158	43,123
Europe	Carib./Cent. America WC	292,690	488,036	996,890
Europe	Oceania	87,856	137,406	237,307
North Africa/East Med	U.S. West Coast	552	1,340	2,466
Thailand	U.S. Gulf Coast	7,656	6,077	12,612
Southeast Asia NEC	U.S. East Coast	603,029	478,639	993,400
Southeast Asia NEC	U.S. Gulf Coast	172,476	136,898	284,128
Other Far East Asia	U.S. East Coast	327,284	259,773	539,152
Other Far East Asia	U.S. Gulf Coast	1,316,448	1,044,896	2,168,652
Other Far East Asia	Canada East Coast	98,117	208,009	469,825
Japan	U.S. East Coast	968,126	768,425	1,594,843
Japan	U.S. Gulf Coast	1,041,130	826,370	1,715,106

Table 1.27 (cont'd.)

Japan	Canada East Coast	137,711	291,946	659,413
Japan	Mexico East Coast	200,900	147,520	106,488
Japan	Carib./Cent. America EC	47,362	10,309	3,418
Japan	Colombia East Coast	39,619	8,255	9,199
Japan	Venezuela	24,951	5,199	5,793
Japan	Brazil	36,780	7,663	8,540
Australia	U.S. East Coast	65,286	148,471	148,471
Australia	U.S. Gulf Coast	294,376	669,459	669,459
Australia	Canada East Coast	11,919	15,571	28,252
Other Oceania	U.S. East Coast	42,633	96,954	96,954
Other Oceania	U.S. Gulf Coast	15,174	34,508	34,508
Other Oceania	Canada East Coast	9,264	12,102	21,958
Oceania	Carib./Cent. America EC	195,276	165,447	467,761
Oceania	Europe	191,073	277,388	469,194
West Africa	U.S. West Coast	16	39	71
South Africa	U.S. West Coast	32,617	79,160	145,705
Africa	South America West Coas	3,206	7,948	19,435
Total Trade (all routes)		365,101,592	827,119,295	1,228,887,989
Total Potential Trade		43,673,801	69,750,954	114,741,899
69 ROUTES, POTENTIAL TRADE				
AFRICA	S. AMERICA W.C.	3,206	7,948	19,435
AFRICA	U.S. W.C., HAWAII	33,185	80,539	148,242
ASIA	CENTRAL AMERICA E.C., W	248,262	157,829	109,906
ASIA	CANADA EAST COAST	235,828	499,955	1,129,238
ASIA	S. AMERICA E.C.	101,350	21,117	23,533
ASIA	U.S. EAST COAST	4,436,149	3,521,077	7,307,894
CENTRAL AMERICA E.C.,	WASIA	1,374,642	892,546	1,086,466
CENTRAL AMERICA E.C.,	WC. AMERICA W.C.	28,498	69,068	168,406
CENTRAL AMERICA E.C.,	WCANADA WEST COAST	9,979	14,808	29,615
CENTRAL AMERICA E.C.,	WOCEANIA	12,623	18,730	37,461
CENTRAL AMERICA E.C.,	WS. AMERICA W.C.	41,420	101,716	240,432
CENTRAL AMERICA E.C.,	WU.S. W.C., HAWAII	40,676	62,641	54,506
C. AMERICA W.C.	AFRICA	97,701	177,815	262,815
C. AMERICA W.C.	CANADA EAST COAST	10,308	3,706	7,876
C. AMERICA W.C.	CENTRAL AMERICA E.C., W	186,026	447,164	1,041,680
C. AMERICA W.C.	EUROPE	295,446	666,293	898,649
C. AMERICA W.C.	S. AMERICA E.C.	75,614	173,328	340,803
C. AMERICA W.C.	U.S. EAST COAST	1,380,510	1,306,673	1,965,391
CANADA EAST COAST	ASIA	1,221,141	2,538,646	3,970,016
CANADA EAST COAST	C. AMERICA W.C.	9,979	14,226	43,876
CANADA EAST COAST	OCEANIA	76,858	130,890	303,082
CANADA EAST COAST	S. AMERICA W.C.	93,426	192,140	552,623
CANADA WEST COAST	AFRICA	1,183,744	1,920,708	2,919,227
CANADA WEST COAST	CENTRAL AMERICA E.C., W	20,175	24,382	65,289
CANADA WEST COAST	EUROPE	4,033,526	6,746,467	10,963,907
CANADA WEST COAST	MIDDLE EAST	259,463	948,196	2,827,174
CANADA WEST COAST	S. AMERICA E.C.	159,991	224,916	321,844
CANADA WEST COAST	U.S. EAST COAST	646,516	1,503,894	2,539,050
EUROPE	C. AMERICA W.C.	292,690	488,036	996,890
EUROPE	CANADA WEST COAST	116,829	128,814	176,845
EUROPE	OCEANIA	87,856	137,406	237,307
EUROPE	S. AMERICA W.C.	261,687	321,168	550,496
EUROPE	U.S. W.C., HAWAII	928,901	1,903,320	2,995,679
OCEANIA	CANADA EAST COAST	21,183	27,673	50,210
OCEANIA	CENTRAL AMERICA E.C., W	195,276	165,447	467,761
OCEANIA	EUROPE	191,073	277,388	469,194
OCEANIA	U.S. EAST COAST	417,469	949,393	949,393
S. AMERICA E.C.	ASIA	3,847,831	7,316,857	7,880,411
S. AMERICA E.C.	C. AMERICA W.C.	232,177	424,264	745,803
S. AMERICA E.C.	CANADA WEST COAST	44,657	35,166	72,734
S. AMERICA E.C.	S. AMERICA W.C.	148,117	308,782	612,050
S. AMERICA E.C.	U.S. W.C., HAWAII	946,890	975,709	1,769,222
S. AMERICA W.C.	AFRICA	20,948	59,972	117,523
S. AMERICA W.C.	CANADA EAST COAST	93,064	174,030	402,882
S. AMERICA W.C.	CENTRAL AMERICA E.C., W	72,569	156,646	273,153

Table 1.21 (cont'd.)

S. AMERICA W.C.	EUROPE	2,276,540	6,139,680	11,050,799
S. AMERICA W.C.	MIDDLE EAST	25,045	27,549	30,304
S. AMERICA W.C.	S. AMERICA E.C.	91,907	225,210	407,950
S. AMERICA W.C.	U.S. EAST COAST	1,630,607	1,474,420	2,832,439
U.S. EAST COAST	ASIA	12,853,419	18,618,289	28,346,634
U.S. EAST COAST	C. AMERICA W.C.	291,379	482,223	1,431,812
U.S. EAST COAST	OCEANIA	200,477	256,845	581,030
U.S. EAST COAST	S. AMERICA W.C.	491,469	703,655	1,507,989
U.S. EAST COAST	U.S. W.C., HAWAII	869	869	869
U.S. W.C., HAWAII	AFRICA	332,506	1,309,551	4,075,538
U.S. W.C., HAWAII	CANADA EAST COAST	15,713	30,953	55,954
U.S. W.C., HAWAII	EUROPE	945,281	3,836,902	5,838,045
U.S. W.C., HAWAII	S. AMERICA E.C.	92,533	117,636	190,780
U.S. W.C., HAWAII	U.S. EAST COAST	190,594	209,679	245,768
TOTAL		43,673,801	69,750,954	114,741,899

Table 1.27 (cont'd.)

69 ROUTES, NON-POTENTIAL TRADE				
U.S. East Coast	Asia	1,335,688	1,885,871	3,648,454
U.S. West Coast	Africa	35	153	420
South America East Coas	Oceania	90,512	82,083	139,334
South America East Coas	Asia	323,442	354,070	384,772
Europe	Asia	17,347,309	18,239,935	29,300,478
Europe	Oceania	363,276	286,406	369,083
Africa	Asia	1,974,384	3,830,772	6,880,675
Africa	Oceania	37,866	46,210	172,522
Africa	U.S. West Coast	1,671	2,943	12,375
Asia	U.S. East Coast	297,044	424,482	1,114,421
Asia	Europe	11,609,794	24,719,573	42,322,415
Asia	South America East Coas	10,195	2,512	1,671
Oceania	South America East Coas	1,816	189	517
Oceania	Europe	319,426	566,899	895,944
TOTAL		33,712,459	50,442,099	85,243,080
TOTAL BILATERAL TRADE (69 ROUTES)		77,386,260	120,193,053	199,984,980

Table 1.23

Petroleum Products/Gas

Origin	Destination	1990 Tonnes	2020 Tonnes	2060 Tonnes
DETAILED, NON-POTENTIAL TRADE				
U.S. East Coast	Canada East Coast	1,094,357	2,371,847	2,732,723
U.S. East Coast	Mexico East Coast	29,654	49,066	104,096
U.S. East Coast	Carib./Cent. America EC	1,071,723	11,695	117,047
U.S. East Coast	Venezuela	285,931	422,940	825,801
U.S. East Coast	Brazil	4,154	1,158	2,184
U.S. East Coast	Argentina	175	20	37
U.S. East Coast	E. South America NEC	268	113	273
U.S. East Coast	North Europe	1,025,422	608,591	801,818
U.S. East Coast	Mediterranean Europe	205,912	90,867	125,121
U.S. East Coast	North Africa/East Med	484	448	969
U.S. East Coast	Saudi Arabia	6,569	11,049	18,465
U.S. East Coast	Other Middle East	631	101	376
U.S. East Coast	South Asia	57,864	10,694	20,967
U.S. East Coast	Thailand	416	302	2
U.S. East Coast	Singapore	92,709	119,209	280,928
U.S. East Coast	West Africa	32,196	22,055	54,762
U.S. East Coast	East Africa	17	0	0
U.S. Gulf Coast	Canada East Coast	736,477	1,597,835	1,842,065
U.S. Gulf Coast	Mexico East Coast	264,306	437,330	927,815
U.S. Gulf Coast	Carib./Cent. America EC	3,757,772	17,155	391,598
U.S. Gulf Coast	Venezuela	309,795	462,311	902,702
U.S. Gulf Coast	Brazil	22,502	6,274	11,830
U.S. Gulf Coast	Argentina	61,115	5,853	10,434
U.S. Gulf Coast	E. South America NEC	46,235	17,065	39,557
U.S. Gulf Coast	North Europe	2,164,597	1,123,961	1,362,449
U.S. Gulf Coast	Mediterranean Europe	1,044,372	519,522	667,446
U.S. Gulf Coast	North Africa/East Med	279,185	338,533	729,909
U.S. Gulf Coast	Saudi Arabia	712	1,325	2,219
U.S. Gulf Coast	Other Middle East	10,078	1,608	5,993
U.S. Gulf Coast	South Asia	252,022	43,556	85,489
U.S. Gulf Coast	Singapore	260,540	334,305	787,766
U.S. Gulf Coast	West Africa	27,586	4,593	9,072
U.S. Gulf Coast	East Africa	47	0	0
U.S. Gulf Coast	South Africa	15	22	44
U.S. West Coast	Canada West Coast	407,171	882,481	1,016,749
U.S. West Coast	Mexico West Coast	2,062,319	3,441,168	7,459,029
U.S. West Coast	Carib./Cent. America WC	274,513	29,847	35,114
U.S. West Coast	Chile	12	10	20
U.S. West Coast	W. South America NEC	59,507	32,202	65,799
U.S. West Coast	Other Middle East	290	46	173
U.S. West Coast	South Asia	6,612	1,227	2,408
U.S. West Coast	Thailand	25,389	6,516	15,509
U.S. West Coast	Southeast Asia NEC	18,041	20,743	48,427
U.S. West Coast	Singapore	469,490	602,581	1,419,950
U.S. West Coast	Other Far East Asia	4,234,182	8,880,322	21,760,584
U.S. West Coast	Japan	2,820,556	2,229,607	3,573,810
U.S. West Coast	Australia	368,101	240,416	386,437
U.S. West Coast	Other Oceania	226,199	115,098	236,431
Canada East Coast	U.S. East Coast	6,760,037	10,412,187	14,936,669
Canada East Coast	U.S. Gulf Coast	528,085	813,331	1,166,755
Canada West Coast	U.S. West Coast	617,788	952,864	1,366,908
Canada East Coast	Mexico East Coast	10,590	25,873	55,231
Canada West Coast	Mexico West Coast	7,372	18,009	38,444
Canada East Coast	Carib./Cent. America EC	1,569	2,918	6,204
Canada West Coast	Carib./Cent. America WC	1,092	2,031	4,318
Canada East Coast	Colombia East Coast	17,614	0	0
Canada West Coast	Colombia West Coast	12,260	0	0
Canada East Coast	Venezuela	12	33	70
Canada West Coast	Chile	104	57	112
Canada East Coast	Brazil	1,053	0	0
Canada East Coast	Argentina	227	436	928

Table 1.28 (cont'd.)

Canada West Coast	W. South America NEC	136	261	555
Canada East Coast	North Europe	168,479	240,162	345,540
Canada East Coast	Mediterranean Europe	124,390	232,037	307,782
Canada East Coast	Saudi Arabia	1,847	2,563	2,611
Canada West Coast	South Asia	11,333	46,804	33,095
Canada West Coast	Thailand	6	97	282
Canada West Coast	Southeast Asia NEC	52	384	1,268
Canada West Coast	Singapore	40	514	1,551
Canada West Coast	Other Far East Asia	5,527	72,471	195,718
Canada West Coast	Japan	44,253	51,384	114,533
Canada West Coast	Australia	848	601	549
Canada West Coast	Other Oceania	334	233	230
Canada East Coast	North Africa/East Med	381	399	508
Canada East Coast	West Africa	37	0	0
Canada East Coast	East Africa	340	318	318
Mexico East Coast	North Europe	26,000	7,480	13,211
Mexico East Coast	Mediterranean Europe	42,178	22,400	30,800
Carib./Cent. America	U.S. East Coast	4,386,414	88,722	112,211
Carib./Cent. America	U.S. Gulf Coast	275,572	5,574	7,050
Carib./Cent. America	ECCanada East Coast	177,910	438,335	518,839
Carib./Cent. America	WCCanada West Coast	285	702	831
Carib./Cent. America	North Europe	372,354	160,610	194,426
Carib./Cent. America	Mediterranean Europe	463,000	836,175	1,150,878
Colombia East Coast	U.S. East Coast	3,316,078	7,743,632	8,517,249
Colombia East Coast	U.S. Gulf Coast	69,370	161,991	178,174
Colombia East Coast	North Europe	5	0	0
Colombia East Coast	Mediterranean Europe	7,000	0	0
Venezuela	U.S. East Coast	15,556,572	10,618,027	13,220,135
Venezuela	U.S. Gulf Coast	2,754,001	1,830,991	2,278,612
Venezuela	Canada East Coast	1,223,719	5,272,326	6,561,373
Venezuela	North Europe	995,195	446,244	618,350
Venezuela	Mediterranean Europe	635,810	592,099	818,057
Chile	Japan	65	0	0
Brazil	U.S. East Coast	2,685,677	2,702,862	3,394,842
Brazil	U.S. Gulf Coast	153,891	151,039	189,899
Brazil	North Europe	52,751	33,029	43,702
Brazil	Mediterranean Europe	5,056	8,801	12,127
Brazil	Australia	22	15	15
Argentina	U.S. East Coast	1,378,346	450,593	540,603
Argentina	U.S. Gulf Coast	157,910	51,622	61,933
Argentina	North Europe	169,831	83,299	108,826
Argentina	Mediterranean Europe	45,903	0	0
Argentina	Japan	290	319	488
Argentina	Australia	50,551	0	0
W. South America NEC	U.S. West Coast	153,215	42,932	48,366
W. South America NEC	Canada West Coast	55	0	0
W. South America NEC	Japan	15	0	0
E. South America NEC	North Europe	65	0	0
E. South America NEC	Mediterranean Europe	700	0	0
E. South America NEC	Japan	15	16	25
North Europe	U.S. East Coast	7,739,531	12,191,284	13,831,722
North Europe	U.S. Gulf Coast	4,547,085	7,143,847	8,580,278
North Europe	Canada East Coast	830,350	2,383,147	2,435,588
North Europe	Carib./Cent. America EC	209,853	335,193	532,527
North Europe	Venezuela	20,514	20,746	30,595
North Europe	Brazil	130,467	217,192	339,574
North Europe	Argentina	10,742	12,298	19,235
North Europe	E. South America NEC	8,180	12,708	20,477
North Europe	North Africa/East Med	714,798	1,387,726	2,469,892
North Europe	Saudi Arabia	25,006	61,427	76,170
North Europe	Other Middle East	286,434	346,887	540,929
North Europe	South Asia	374,361	655,422	1,230,118
North Europe	Thailand	24,736	111,477	239,514
North Europe	Southeast Asia NEC	95,257	223,686	453,491
North Europe	Singapore	171,707	857,277	1,792,349
North Europe	Other Far East Asia	150,101	682,035	1,240,274
North Europe	Japan	1,021,178	1,027,571	1,443,106

Table 1.23 (cont'd.)

North Europe	Australia	227,592	340,591	427,760
North Europe	West Africa	622,452	918,838	1,568,933
North Europe	East Africa	221,324	368,798	631,621
North Europe	South Africa	66,818	114,415	157,303
Mediterranean Europe	U.S. East Coast	5,436,782	7,153,893	6,293,742
Mediterranean Europe	U.S. Gulf Coast	1,905,616	2,182,434	1,849,982
Mediterranean Europe	Canada East Coast	558,072	1,382,750	1,132,511
Mediterranean Europe	Carib./Cent. America EC	359,522	607,113	790,626
Mediterranean Europe	Venezuela	37,180	72,082	91,208
Mediterranean Europe	Brazil	14,647	11,765	14,232
Mediterranean Europe	Argentina	30,284	57,795	71,194
Mediterranean Europe	E. South America NEC	10	20	27
Mediterranean Europe	North Africa/East Med	5,370,215	5,547,814	7,210,484
Mediterranean Europe	Saudi Arabia	22,111	65,501	67,804
Mediterranean Europe	Other Middle East	349,739	1,201,021	1,337,436
Mediterranean Europe	South Asia	355,586	902,947	1,264,443
Mediterranean Europe	Thailand	5,387	29,281	46,076
Mediterranean Europe	Southeast Asia NEC	41,666	151,491	179,473
Mediterranean Europe	Singapore	584,548	3,169,704	4,874,040
Mediterranean Europe	Other Far East Asia	69,601	264,627	320,567
Mediterranean Europe	Japan	16,252	24,939	24,749
Mediterranean Europe	Australia	178,588	63,895	64,434
Mediterranean Europe	Other Oceania	31,612	2,983	2,980
Mediterranean Europe	West Africa	1,088,125	2,787,412	3,806,592
Mediterranean Europe	East Africa	185,686	548,120	727,177
Mediterranean Europe	South Africa	7,411	11,307	11,470
* Europe	Asia	3,216	107	107
North Africa/East Med	U.S. East Coast	6,306,318	2,744,196	2,603,672
North Africa/East Med	U.S. Gulf Coast	11,103,465	4,926,328	4,901,632
North Africa/East Med	Canada East Coast	74	0	0
North Africa/East Med	North Europe	21,294,957	53,519,555	59,575,752
North Africa/East Med	Mediterranean Europe	12,801,019	26,674,733	29,807,063
North Africa/East Med	Japan	1,112,588	2,847,273	3,469,346
North Africa/East Med	Australia	20,307	13	11
Saudi Arabia	U.S. East Coast	2,107,869	4,024,726	3,758,071
Saudi Arabia	U.S. Gulf Coast	3,419,397	6,583,841	6,190,913
Saudi Arabia	Canada	30,120	113,514	95,709
Saudi Arabia	North Europe	3,350,812	4,378,793	4,081,518
Saudi Arabia	Mediterranean Europe	3,371,417	6,396,598	6,136,189
Saudi Arabia	Japan	21,311,326	25,450,450	24,520,888
Saudi Arabia	Australia	1,512,140	5,029,587	5,647,526
Saudi Arabia	Other Oceania	74,431	137,071	140,447
Other Middle East	U.S. East Coast	361,232	276,013	195,622
Other Middle East	U.S. Gulf Coast	546,833	645,988	537,457
Other Middle East	U.S. West Coast	107,743	97,984	80,572
Other Middle East	Canada	107,682	0	0
Other Middle East	North Europe	4,347,112	8,631,704	8,296,492
Other Middle East	Mediterranean Europe	4,749,527	11,670,947	11,683,218
Other Middle East	Japan	18,446,459	50,717,456	51,070,308
Other Middle East	Australia	748,369	586,800	514,575
South Asia	U.S. East Coast	299,320	351,323	236,735
South Asia	U.S. Gulf Coast	1,020,253	1,230,523	829,174
South Asia	U.S. West Coast	317,838	346,138	233,242
South Asia	North Europe	427,253	306,416	217,397
South Asia	Mediterranean Europe	84,091	41	41
South Asia	Japan	5,635,702	2,627,210	1,940,496
South Asia	Australia	106,743	164,046	136,126
Thailand	U.S. East Coast	50,922	0	0
Thailand	U.S. West Coast	606,318	3,346,323	3,318,019
Thailand	North Europe	25,000	0	0
Thailand	Japan	1,122	2,788	3,282
Thailand	Australia	1,364	7,074	9,059
Southeast Asia NEC	U.S. West Coast	669,134	1,273,457	1,256,631
Southeast Asia NEC	North Europe	62,663	2,009	1,886
Southeast Asia NEC	Mediterranean Europe	4	0	0
Southeast Asia NEC	Japan	33,066,544	75,350,260	83,933,149
Southeast Asia NEC	Australia	229,223	298,993	282,214

Table 1.28 (cont'd.)

Singapore	U.S. East Coast	256,748	1,019,740	1,002,168
Singapore	U.S. Gulf Coast	944	3,749	3,684
Singapore	U.S. West Coast	777,374	3,087,536	3,034,332
Singapore	North Europe	7,826	11,342	11,332
Singapore	Mediterranean Europe	6,000	6,000	6,000
Singapore	Japan	8,210,630	33,223,846	40,249,146
Singapore	Australia	1,336,832	4,080,424	4,920,206
Singapore	Other Oceania	128,577	370,048	416,776
Other Far East Asia	U.S. West Coast	176,491	248,211	250,678
Other Far East Asia	Canada West Coast	284	1,412	1,289
Other Far East Asia	North Europe	2,598	4,100	4,059
Other Far East Asia	Mediterranean Europe	61,471	1,044	1,052
Other Far East Asia	Japan	4,875,950	16,345,152	20,116,690
Other Far East Asia	Australia	78,096	225,098	291,056
Other Far East Asia	Other Oceania	5,547	13,827	15,377
Japan	U.S. West Coast	41,165	56,941	48,870
Japan	Canada West Coast	5,438	13,882	8,183
Japan	Colombia West Coast	24	0	0
Japan	Chile	865	1,236	1,174
Japan	Argentina	8,169	8,588	7,980
Japan	W. South America NEC	73	81	75
Japan	E. South America NEC	122	133	122
Japan	North Europe	193,274	176,933	130,589
Japan	Mediterranean Europe	6,722	6,403	5,336
Japan	North Africa/East Med	2,059	2,088	2,062
Japan	Saudi Arabia	9,291	19,084	15,109
Japan	Other Middle East	94,985	182,820	147,075
Japan	South Asia	208,675	176,485	176,189
Japan	Thailand	264,232	479,047	519,486
Japan	Southeast Asia NEC	491,545	345,568	348,562
Japan	Singapore	569,864	3,752,913	4,382,955
Japan	Other Far East Asia	9,934,263	31,389,176	33,780,514
Japan	Australia	116,057	164,838	128,430
Japan	Other Oceania	3,382	5,492	5,396
Japan	West Africa	757	842	826
Japan	East Africa	1,147	1,289	1,261
Japan	South Africa	1,890	2,036	1,582
Australia	U.S. West Coast	358,989	565,344	682,538
Australia	Canada West Coast	51	0	0
Australia	North Europe	16,390	13,346	15,033
Australia	Mediterranean Europe	5,607	832	1,042
Australia	Saudi Arabia	59	0	0
Australia	Other Middle East	6,191	9,619	18,104
Australia	South Asia	58,126	81,902	155,107
Australia	Thailand	33,286	129,956	262,742
Australia	Southeast Asia NEC	108,974	386,733	805,590
Australia	Singapore	621,347	1,684,258	2,271,945
Australia	Other Far East Asia	188,292	1,091,059	2,151,653
Australia	Japan	3,805,282	2,224,397	2,924,171
Australia	Other Oceania	1,224,944	1,143,030	1,952,590
Australia	West Africa	8	0	0
Australia	South Africa	4	0	0
Other Oceania	Southeast Asia NEC	100	377	504
Other Oceania	Singapore	20	64	86
Other Oceania	Other Far East Asia	200,193	0	0
Other Oceania	Japan	72,427	90,843	81,093
Other Oceania	Australia	252,509	441,624	405,687
Other Oceania	Other Oceania	166,901	613,416	820,076
West Africa	U.S. East Coast	2,114,977	2,403,652	2,439,102
West Africa	U.S. Gulf Coast	76,952	112,878	119,866
West Africa	Canada East Coast	69,602	0	0
West Africa	North Europe	78,329	273,228	323,740
West Africa	Mediterranean Europe	827,043	2,339,457	2,883,383
West Africa	Japan	136,816	0	0
East Africa	North Europe	43	0	0
East Africa	Mediterranean Europe	23,009	0	0
South Africa	U.S. East Coast	4,845	5,258	4,675

Table 1.23 (cont'd.)

South Africa	U.S. Gulf Coast	18,818	20,424	18,158
South Africa	North Europe	7,806	15,539	15,056
South Africa	Mediterranean Europe	22,686	38,101	36,555
South Africa	Japan	1,281	4,096	4,575
South Africa	Australia	533	1,041	1,150
DETAILED, POTENTIAL TRADE				
U.S. East Coast	Canada West Coast	767	1,662	1,916
U.S. East Coast	Colombia West Coast	735	734	246
U.S. East Coast	Chile	1,100	1,099	369
U.S. East Coast	W. South America NEC	2,785	2,783	934
U.S. East Coast	Southeast Asia NEC	1,731	1,255	8
U.S. East Coast	Other Far East Asia	220,694	160,070	1,064
U.S. East Coast	Japan	134,673	97,678	649
U.S. East Coast	Australia	70	54	0
U.S. East Coast	Other Oceania	26	20	0
U.S. Gulf Coast	Canada West Coast	516	1,119	1,289
U.S. Gulf Coast	Colombia West Coast	41,469	41,434	13,902
U.S. Gulf Coast	Chile	66,652	66,595	22,344
U.S. Gulf Coast	W. South America NEC	93,461	93,381	31,331
U.S. Gulf Coast	Thailand	51,675	37,480	249
U.S. Gulf Coast	Southeast Asia NEC	78,578	56,993	379
U.S. Gulf Coast	Other Far East Asia	627,187	454,899	3,023
U.S. Gulf Coast	Japan	585,858	424,924	2,823
U.S. Gulf Coast	Australia	68,543	53,279	106
U.S. Gulf Coast	Other Oceania	67,683	52,610	105
U.S. East Coast	Carib./Cent. America WC	613,995	605,903	204,328
U.S. East Coast	U.S. West Coast	678,921	580,150	249,527
U.S. West Coast	U.S. East Coast	456,436	365,512	157,298
U.S. West Coast	Canada East Coast	26,497	16,438	0
U.S. West Coast	Carib./Cent. America EC	324,468	337,516	107,866
U.S. West Coast	Venezuela	50,669	50,669	16,757
U.S. West Coast	Brazil	44	44	15
U.S. West Coast	North Europe	50,038	0	0
U.S. West Coast	Mediterranean Europe	107,153	0	0
Canada West Coast	U.S. East Coast	32,605	31,052	49,683
Canada West Coast	U.S. Gulf Coast	2,547	2,426	3,881
Canada West Coast	Venezuela	9	23	49
Canada East Coast	Chile	150	81	162
Canada West Coast	Brazil	733	0	0
Canada West Coast	Argentina	158	303	646
Canada East Coast	W. South America NEC	196	375	798
Canada West Coast	North Europe	21,314	30,382	43,713
Canada West Coast	Mediterranean Europe	15,736	29,354	38,936
Canada East Coast	Asia	144,601	391,868	705,651
Mexico West Coast	U.S. East Coast	1,019,631	0	0
Mexico West Coast	U.S. Gulf Coast	1,032,567	0	0
Mexico East Coast	Japan	56,439	46,595	15,750
Carib./Cent. America EC	Japan	33,667	27,795	9,395
Carib./Cent. America EC	U.S. West Coast	936,555	651,916	140,609
Carib./Cent. America EC	Carib./Cent. America WC	531,861	2,625,104	1,330,350
Carib./Cent. America WC	Carib./Cent. America EC	32,994	54,426	27,636
Carib./Cent. America EC	South America West Coas	531,077	1,072,307	1,142,946
Carib./Cent. America WC	South America East Coas	3,142	7,914	13,002
Colombia East Coast	Canada West Coast	24,026	0	0
Colombia East Coast	Japan	50	41	14
Venezuela	U.S. West Coast	162,500	365,625	185,663
Venezuela	Canada West Coast	1,961	8,449	10,515
Venezuela	Japan	346,709	285,727	96,433
Chile	U.S. East Coast	60,667	42,212	13,000
Chile	North Europe	4	0	0
Chile	Mediterranean Europe	604	0	0
Brazil	U.S. West Coast	87,529	196,940	100,006
Brazil	Japan	7,256	5,980	2,018
Argentina	U.S. West Coast	57,952	130,392	66,213
W. South America NEC	U.S. East Coast	2,039,288	1,418,933	436,990
W. South America NEC	U.S. Gulf Coast	71,072	49,452	15,230

Table 1.28 (cont'd.)

W. South America NEC	Canada East Coast	34,394	38,215	0
W. South America NEC	North Europe	23,000	0	0
W. South America NEC	Mediterranean Europe	52	0	0
South America East Coas	Carib./Cent. America WC	559,702	2,762,517	1,399,989
South America West Coas	Carib./Cent. America EC	500,611	1,126,375	571,970
South America East Coas	South America West Coas	604,837	1,002,111	507,751
South America West Coas	South America East Coas	6,163	10,231	5,177
North Europe	U.S. West Coast	205,082	99,626	30,736
North Europe	Canada West Coast	1,914	1,115	471
North Europe	Mexico West Coast	23,649	43,221	67,095
North Europe	Colombia West Coast	884	28	40
North Europe	Chile	36,263	1,152	1,645
North Europe	W. South America NEC	27,148	863	1,232
Mediterranean Europe	U.S. West Coast	194,706	94,586	29,181
Mediterranean Europe	Canada West Coast	1,287	749	316
Mediterranean Europe	Mexico West Coast	302	612	790
Mediterranean Europe	Colombia West Coast	39,026	1,240	1,771
Mediterranean Europe	Chile	22,110	703	1,003
Mediterranean Europe	W. South America NEC	6,233	198	283
Europe	Oceania	7,755	293	341
Middle East	U.S. West Coast	33,596	114	114
Southeast Asia NEC	U.S. East Coast	966,883	0	0
Southeast Asia NEC	U.S. Gulf Coast	553,622	0	0
Other Far East Asia	U.S. East Coast	4,239	0	0
Other Far East Asia	U.S. Gulf Coast	13,549	0	0
Japan	U.S. East Coast	1,060	0	0
Japan	U.S. Gulf Coast	11,804	0	0
Japan	Mexico East Coast	8,496	2,124	2,529
Japan	Carib./Cent. America EC	96	24	29
Japan	Brazil	1,280	1,280	1,177
Australia	U.S. East Coast	447,598	704,889	851,005
Australia	U.S. Gulf Coast	141,492	447,094	474,275
Australia	Carib./Cent. America EC	13	0	0
West Africa	U.S. West Coast	54,660	204	204
Total Trade (all routes)		316,098,217	552,588,622	627,675,621
Total Potential Trade		16,141,527	17,319,538	9,214,938
69 ROUTES, POTENTIAL TRADE				
AFRICA	U.S. WEST COAST	54,660	204	204
ASIA	CENTRAL AMERICA E.C., W	8,592	2,148	2,557
ASIA	S. AMERICA E.C.	1,280	1,280	1,177
ASIA	U.S. EAST COAST	1,551,157	0	0
CENTRAL AMERICA E.C., W	ASIA	90,106	74,390	25,146
CENTRAL AMERICA E.C., W	C. AMERICA W.C.	531,861	2,625,104	1,330,350
CENTRAL AMERICA E.C., W	S. AMERICA W.C.	531,077	1,072,307	1,142,946
CENTRAL AMERICA E.C., W	U.S. W.C., HAWAII	936,555	651,916	140,609
C. AMERICA W.C.	CENTRAL AMERICA E.C., W	32,994	54,426	27,636
C. AMERICA W.C.	S. AMERICA E.C.	3,142	7,914	13,002
C. AMERICA W.C.	U.S. EAST COAST	2,052,198	0	0
CANADA EAST COAST	ASIA	144,601	391,868	705,651
CANADA EAST COAST	S. AMERICA W.C.	346	456	959
CANADA WEST COAST	EUROPE	37,050	59,736	82,650
CANADA WEST COAST	S. AMERICA E.C.	900	326	695
CANADA WEST COAST	U.S. EAST COAST	35,152	33,478	53,565
EUROPE	C. AMERICA W.C.	23,951	43,833	67,885
EUROPE	CANADA WEST COAST	3,201	1,864	787
EUROPE	S. AMERICA W.C.	131,664	4,184	5,974
EUROPE	U.S. WEST COAST	399,788	194,212	59,917
EUROPE	OCEANIA	7,755	293	341
MIDDLE EAST	U.S. W.C., HAWAII	33,596	114	114
OCEANIA	CENTRAL AMERICA E.C., W	13	0	0
OCEANIA	U.S. EAST COAST	589,090	1,151,983	1,325,280
S. AMERICA E.C.	ASIA	354,015	291,748	98,465
S. AMERICA E.C.	C. AMERICA W.C.	559,702	2,762,517	1,399,989
S. AMERICA E.C.	CANADA WEST COAST	25,987	8,449	10,515
S. AMERICA E.C.	S. AMERICA W.C.	500,611	1,126,375	571,970

Table 1-18 (cont'd.)

S. AMERICA E.C.	U.S. WEST COAST	307,981	692,957	351,882
S. AMERICA W.C.	CANADA EAST COAST	34,394	38,215	0
S. AMERICA W.C.	CENTRAL AMERICA E.C., W	604,837	1,002,111	507,751
S. AMERICA W.C.	EUROPE	23,660	0	0
S. AMERICA W.C.	S. AMERICA E.C.	6,163	10,231	5,177
S. AMERICA W.C.	U.S. EAST COAST	2,171,027	1,510,597	465,220
U.S. EAST COAST	ASIA	1,700,396	1,233,299	8,195
U.S. EAST COAST	C. AMERICA W.C.	613,995	605,903	204,328
U.S. EAST COAST	CANADA WEST COAST	1,282	2,781	3,205
U.S. EAST COAST	OCEANIA	136,322	105,964	211
U.S. EAST COAST	S. AMERICA W.C.	206,202	206,026	69,125
U.S. EAST COAST	U.S. W.C., HAWAII	678,921	580,150	249,527
U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W	324,468	337,516	107,866
U.S. WEST COAST	CANADA EAST COAST	26,497	16,438	0
U.S. WEST COAST	EUROPE	157,191	0	0
U.S. WEST COAST	S. AMERICA E.C.	50,713	50,713	16,771
U.S. W.C., HAWAII	U.S. EAST COAST	456,436	365,512	157,298
TOTAL		16,141,527	17,319,538	9,214,938

Table 1.28 (cont'd.)

69 ROUTES, NON-POTENTIAL TRADE				
U.S. East Coast	Asia	663,551	508,066	1,175,152
South America East Coas	Oceania	50,573	15	15
South America East Coas	Asia	305	319	488
Europe	Asia	2,913,596	8,100,564	13,108,307
Europe	Oceania	437,792	407,470	495,174
Africa	Asia	1,250,685	2,851,369	3,473,921
Africa	Oceania	20,840	1,054	1,161
Middle East	U.S. West Coast	107,743	97,984	80,572
Asia	U.S. East Coast	1,628,187	2,605,335	2,071,761
Asia	Europe	876,902	514,288	377,692
Asia	South America East Coas	8,291	8,721	8,102
Oceania	Europe	21,997	14,178	16,075
TOTAL		7,980,462	15,109,362	20,808,420
TOTAL BILATERAL TRADE (69 ROUTES)		24,121,989	32,428,901	30,023,359

Table 1.29

Refrigerated Cargo

Origin	Destination	1990 Tonnes	2020 Tonnes	2060 Tonnes
DETAILED, NON-POTENTIAL TRADE				
U.S. East Coast	Canada East Coast	2,318	4,070	7,279
U.S. East Coast	Mexico East Coast	718	2,936	6,582
U.S. East Coast	Carib./Cent. America EC	168,676	332,783	723,940
U.S. East Coast	Venezuela	28,323	11,635	24,832
U.S. East Coast	Brazil	9,027	2,080	5,336
U.S. East Coast	Argentina	530	113	227
U.S. East Coast	E. South America NEC	348	1,658	3,744
U.S. East Coast	North Europe	392,823	1,261,377	1,661,806
U.S. East Coast	Mediterranean Europe	40,214	225,404	290,555
U.S. East Coast	North Africa/East Med	9,700	22,136	39,387
U.S. East Coast	Saudi Arabia	11,298	7,192	29,192
U.S. East Coast	Other Middle East	16,046	121,677	489,160
U.S. East Coast	South Asia	154	502	1,193
U.S. East Coast	Thailand	589	2,108	4,695
U.S. East Coast	Singapore	17,697	19,423	35,244
U.S. East Coast	West Africa	2,564	2,423	7,310
U.S. East Coast	East Africa	1	7	24
U.S. East Coast	South Africa	1,692	5,669	21,178
U.S. Gulf Coast	Canada East Coast	24	42	75
U.S. Gulf Coast	Mexico East Coast	38	156	349
U.S. Gulf Coast	Carib./Cent. America EC	17,476	34,415	74,855
U.S. Gulf Coast	Venezuela	244	102	216
U.S. Gulf Coast	Brazil	680	157	402
U.S. Gulf Coast	Argentina	14	3	6
U.S. Gulf Coast	North Europe	216,315	795,790	1,723,769
U.S. Gulf Coast	Mediterranean Europe	26,042	49,291	68,620
U.S. Gulf Coast	North Africa/East Med	39,918	130,045	291,959
U.S. Gulf Coast	Saudi Arabia	1,850	1,178	4,779
U.S. Gulf Coast	Other Middle East	2,768	37,341	153,756
U.S. Gulf Coast	Singapore	2,334	2,561	4,648
U.S. Gulf Coast	West Africa	1,265	971	2,963
U.S. Gulf Coast	South Africa	39	129	485
U.S. West Coast	Canada West Coast	3,788	6,649	11,891
U.S. West Coast	Mexico West Coast	34	138	309
U.S. West Coast	Carib./Cent. America WC	2,178	1,587	3,120
U.S. West Coast	Chile	45	67	150
U.S. West Coast	W. South America NEC	171	196	437
U.S. West Coast	Saudi Arabia	33,223	21,145	85,838
U.S. West Coast	Other Middle East	14,426	31,026	107,265
U.S. West Coast	South Asia	1,381	3,283	8,620
U.S. West Coast	Thailand	22,026	78,891	175,613
U.S. West Coast	Southeast Asia NEC	50,371	37,815	67,897
U.S. West Coast	Singapore	69,484	76,264	138,382
U.S. West Coast	Other Far East Asia	612,710	3,458,901	7,096,846
U.S. West Coast	Japan	1,478,243	4,108,632	3,913,529
U.S. West Coast	Australia	22,267	37,401	59,428
U.S. West Coast	Other Oceania	33,670	80,183	132,829
Canada East Coast	U.S. East Coast	31,023	29,679	49,884
Canada West Coast	U.S. West Coast	14,511	13,883	23,333
Canada East Coast	Mexico East Coast	7,675	16,686	40,376
Canada West Coast	Mexico West Coast	2,496	4,770	11,490
Canada East Coast	Carib./Cent. America EC	7,653	3,001	6,190
Canada West Coast	Carib./Cent. America WC	2,489	977	2,015
Canada East Coast	Colombia East Coast	5	6	13
Canada West Coast	Colombia West Coast	2	2	4
Canada East Coast	Venezuela	1,112	3,023	7,388
Canada West Coast	Chile	84	109	255
Canada East Coast	Brazil	227	0	0

Table 1.29 (cont'd.)

Canada West Coast	W. South America NEC	4	0	0
Canada East Coast	North Europe	112,669	207,197	293,215
Canada East Coast	Mediterranean Europe	4,442	8,013	10,114
Canada East Coast	Saudi Arabia	76	710	3,216
Canada East Coast	Other Middle East	60	90	241
Canada West Coast	South Asia	17	21	72
Canada West Coast	Thailand	1,662	2,021	3,893
Canada West Coast	Southeast Asia NEC	4,912	21,384	48,182
Canada West Coast	Singapore	1,557	511	1,422
Canada West Coast	Other Far East Asia	11,690	24,728	53,593
Canada West Coast	Japan	50,669	72,880	75,356
Canada West Coast	Australia	2,105	471	714
Canada West Coast	Other Oceania	578	967	2,527
Canada East Coast	North Africa/East Med	3,908	15,425	90,805
Canada East Coast	East Africa	23	109	399
Canada East Coast	West Africa	793	1,503	4,088
Canada East Coast	South Africa	667	784	2,054
Mexico East Coast	U.S. East Coast	4,234	8,308	18,661
Mexico East Coast	U.S. Gulf Coast	35,029	68,739	154,385
Mexico West Coast	U.S. West Coast	185	363	813
Mexico East Coast	Canada East Coast	93,427	125,953	176,106
Mexico West Coast	Canada West Coast	5,176	6,708	9,417
Mexico East Coast	North Europe	15,618	11,439	16,482
Mexico East Coast	Mediterranean Europe	19,169	122,684	168,291
Mexico West Coast	Japan	27,574	27,197	31,280
Mexico West Coast	Australia	3,216	2,156	4,198
Mexico West Coast	Other Oceania	330	559	843
Carib./Cent. America	ECU.S. East Coast	1,240,165	1,413,478	2,121,025
Carib./Cent. America	ECU.S. Gulf Coast	825,560	940,932	1,411,976
Carib./Cent. America	WCU.S. West Coast	65,235	74,352	111,573
Carib./Cent. America	ECCanada East Coast	91,708	24,190	47,301
Carib./Cent. America	WCCanada West Coast	5,085	1,341	2,623
Carib./Cent. America	ECNorth Europe	1,598,819	2,354,289	3,485,763
Carib./Cent. America	ECMediterranean Europe	416,561	839,449	1,129,404
Carib./Cent. America	WCJapan	24,425	26,467	32,190
Carib./Cent. America	WCAustralia	3,774	8,304	17,641
Carib./Cent. America	WCOther Oceania	72	76	201
Colombia East Coast	U.S. Gulf Coast	236,891	612,042	1,244,353
Colombia West Coast	U.S. West Coast	110	284	578
Colombia East Coast	Canada East Coast	47,916	35,864	79,692
Colombia West Coast	Canada West Coast	2,527	1,892	4,203
Colombia East Coast	Japan	2,570	6,668	8,464
Colombia West Coast	Australia	14	0	0
Venezuela	U.S. East Coast	20,165	51,746	84,924
Venezuela	U.S. Gulf Coast	1,721	4,416	7,247
Venezuela	Canada East Coast	957	801	1,799
Venezuela	North Europe	11,668	31,259	43,754
Venezuela	Mediterranean Europe	22,523	81,187	122,237
Chile	U.S. West Coast	139,090	334,579	474,802
Chile	Canada West Coast	3,969	6,203	14,382
Chile	Japan	42,602	33,297	34,508
Chile	Australia	6,737	14,553	30,861
Chile	Other Oceania	2,713	2,747	6,900
Brazil	U.S. East Coast	309,811	679,277	1,891,808
Brazil	U.S. Gulf Coast	146,639	321,514	895,429
Brazil	Canada East Coast	39,282	21,529	48,809
Brazil	North Europe	450,759	1,308,467	1,774,566
Brazil	Mediterranean Europe	104,753	222,607	354,335
Argentina	U.S. East Coast	175,657	720,767	1,515,614
Argentina	U.S. Gulf Coast	1,189	4,880	10,260
Argentina	U.S. West Coast	64,188	148,737	197,625
Argentina	Canada East Coast	22,020	48,478	113,209
Argentina	Canada West Coast	1,161	2,696	3,526
Argentina	North Europe	529,088	592,148	839,140
Argentina	Mediterranean Europe	191,015	200,197	377,578

Table 1.29 (cont'd.)

Argentina	Japan	36,491	4,408	4,544
Argentina	Australia	2,739	3,149	6,480
Argentina	Other Oceania	185	182	461
W. South America NEC	U.S. West Coast	669,060	1,064,072	2,161,142
W. South America NEC	Canada West Coast	10,588	16,539	40,173
W. South America NEC	Japan	130,328	245,639	263,230
W. South America NEC	Australia	38	37	76
W. South America NEC	Other Oceania	51,416	88,277	231,216
E. South America NEC	U.S. East Coast	10,501	5,416	10,124
E. South America NEC	U.S. Gulf Coast	214	110	206
E. South America NEC	Canada East Coast	1,643	1,379	3,101
E. South America NEC	North Europe	83,763	164,406	267,667
E. South America NEC	Mediterranean Europe	14,766	58,369	87,723
E. South America NEC	Japan	3,055	8,036	10,266
E. South America NEC	Australia	654	748	1,540
North Europe	U.S. East Coast	291,844	484,789	722,586
North Europe	U.S. Gulf Coast	10,840	12,629	16,738
North Europe	Canada East Coast	32,195	31,219	53,422
North Europe	Mexico East Coast	41,872	39,321	76,053
North Europe	Carib./Cent. America EC	152,094	238,941	475,439
North Europe	Colombia East Coast	681	543	996
North Europe	Venezuela	1,254	406	582
North Europe	Brazil	8,398	21,363	31,238
North Europe	Argentina	726	98	132
North Europe	E. South America NEC	124	139	251
North Europe	North Africa/East Med	312,708	1,085,079	3,345,445
North Europe	Saudi Arabia	213,511	1,466,251	5,389,271
North Europe	Other Middle East	393,135	986,841	3,432,560
North Europe	South Asia	9,126	15,736	31,970
North Europe	Thailand	29,371	184,376	382,227
North Europe	Southeast Asia NEC	29,286	22,319	45,920
North Europe	Singapore	33,363	38,852	89,743
North Europe	Other Far East Asia	89,039	322,519	630,052
North Europe	Japan	339,829	571,660	532,814
North Europe	Australia	13,093	21,031	29,982
North Europe	West Africa	464,338	1,999,029	6,427,299
North Europe	East Africa	56,671	393,593	1,204,252
North Europe	South Africa	25,296	35,180	77,285
Mediterranean Europe	U.S. East Coast	143,892	217,394	329,801
Mediterranean Europe	U.S. Gulf Coast	3,365	7,237	9,496
Mediterranean Europe	Canada East Coast	46,942	54,394	91,158
Mediterranean Europe	Mexico East Coast	317	269	543
Mediterranean Europe	Carib./Cent. America EC	5,265	7,133	15,662
Mediterranean Europe	Colombia East Coast	54	12	23
Mediterranean Europe	Venezuela	196	82	149
Mediterranean Europe	Brazil	4,079	3,440	10,041
Mediterranean Europe	Argentina	539	363	651
Mediterranean Europe	E. South America NEC	45	44	72
Mediterranean Europe	North Africa/East Med	124,203	76,757	183,439
Mediterranean Europe	Saudi Arabia	169,925	95,178	370,212
Mediterranean Europe	Other Middle East	112,524	13,674	37,184
Mediterranean Europe	South Asia	717	643	1,412
Mediterranean Europe	Thailand	21,003	43,107	87,770
Mediterranean Europe	Southeast Asia NEC	5,469	1,199	3,803
Mediterranean Europe	Singapore	1,253	2,037	3,610
Mediterranean Europe	Other Far East Asia	5,636	11,326	21,665
Mediterranean Europe	Japan	61,108	98,181	99,103
Mediterranean Europe	Australia	6,196	492	2,100
Mediterranean Europe	Other Oceania	1,664	570	1,350
Mediterranean Europe	West Africa	40,350	165,642	590,022
Mediterranean Europe	East Africa	2,677	7,473	20,690
Mediterranean Europe	South Africa	1,342	990	2,740
* Europe	Asia	99,060	209,016	286,283

Table 1.29 (cont'd.)

North Africa/East Med	U.S. East Coast	10,496	12,676	39,748
North Africa/East Med	U.S. Gulf Coast	120	127	459
North Africa/East Med	Canada East Coast	24,631	114,094	488,980
North Africa/East Med	North Europe	1,363,044	2,457,246	5,767,065
North Africa/East Med	Mediterranean Europe	195,546	764,729	1,969,052
North Africa/East Med	Japan	61,839	270,583	622,748
North Africa/East Med	Australia	678	1,142	3,104
Saudi Arabia	U.S. East Coast	18	59	235
Saudi Arabia	North Europe	712	1,925	6,183
Saudi Arabia	Mediterranean Europe	444	594	1,291
Saudi Arabia	Japan	8	8	24
Other Middle East	U.S. East Coast	353	1,148	2,557
Other Middle East	U.S. Gulf Coast	14	49	106
Other Middle East	Canada	2,449	2,677	12,016
Other Middle East	North Europe	22,864	17,997	35,652
Other Middle East	Mediterranean Europe	12,655	18,116	30,816
Other Middle East	Japan	2,277	5,036	8,037
* Middle East	Oceania	949	2,199	2,924
South Asia	U.S. East Coast	15,969	40,420	81,435
South Asia	U.S. Gulf Coast	116	297	523
South Asia	U.S. West Coast	24,625	62,421	118,815
South Asia	Canada West Coast	3,006	4,390	10,631
South Asia	North Europe	50,757	54,273	85,641
South Asia	Mediterranean Europe	31,784	117,063	218,953
South Asia	Japan	52,855	79,607	96,547
South Asia	Australia	1,903	3,207	7,520
South Asia	Other Oceania	224	557	1,632
Thailand	U.S. East Coast	32,002	107,889	264,625
Thailand	U.S. West Coast	44,938	151,501	371,591
Thailand	Canada West Coast	7,513	12,119	29,255
Thailand	North Europe	49,144	104,653	165,759
Thailand	Mediterranean Europe	39,220	147,154	217,072
Thailand	Japan	237,711	889,750	1,251,295
Thailand	Australia	7,065	19,578	45,796
Thailand	Other Oceania	658	1,300	3,683
Southeast Asia NEC	U.S. West Coast	50,734	70,381	151,335
Southeast Asia NEC	Canada West Coast	4,966	8,160	23,526
Southeast Asia NEC	North Europe	24,874	50,953	78,433
Southeast Asia NEC	Mediterranean Europe	16,407	34,922	80,131
Southeast Asia NEC	Japan	892,667	462,657	609,136
Southeast Asia NEC	Australia	5,805	13,366	31,409
Southeast Asia NEC	Other Oceania	435	832	2,274
Singapore	U.S. East Coast	738	2,280	5,147
Singapore	U.S. Gulf Coast	18	57	128
Singapore	U.S. West Coast	9,512	29,397	66,354
Singapore	Canada West Coast	836	149	319
Singapore	North Europe	4,975	5,078	8,919
Singapore	Mediterranean Europe	2,414	5,204	8,892
Singapore	Japan	7,032	19,441	26,007
Singapore	Australia	2,135	652	1,336
Singapore	Other Oceania	219	357	951
Other Far East Asia	U.S. West Coast	130,232	454,564	1,193,299
Other Far East Asia	Canada West Coast	7,494	10,754	30,757
Other Far East Asia	North Europe	56,495	97,388	172,650
Other Far East Asia	Mediterranean Europe	25,469	71,222	124,647
Other Far East Asia	Japan	717,540	1,686,464	2,356,063
Other Far East Asia	Australia	4,294	5,745	11,965
Other Far East Asia	Other Oceania	381	664	2,082
Japan	U.S. West Coast	67,935	170,479	170,780
Japan	Canada West Coast	6,690	6,529	6,741
Japan	Chile	346	619	770
Japan	Argentina	312	124	132
Japan	W. South America NEC	121	91	105
Japan	E. South America NEC	613	1,078	1,406

Table 1.19 (cont'd.)

	Japan	North Europe	64,364	138,211	105,640
	Japan	Mediterranean Europe	17,730	23,864	19,206
	Japan	North Africa/East Med	1,862	1,593	2,375
	Japan	Saudi Arabia	932	11,836	31,845
	Japan	Other Middle East	2,271	2,744	4,479
	Japan	South Asia	3,695	28,915	49,528
	Japan	Thailand	29,814	103,139	124,159
	Japan	Southeast Asia NEC	105,503	82,853	95,448
	Japan	Singapore	11,675	11,607	14,274
	Japan	Other Far East Asia	66,846	161,078	203,833
	Japan	Australia	8,941	28,090	30,650
	Japan	Other Oceania	36,270	152,234	184,652
	Japan	West Africa	5,563	22,412	32,213
	Japan	East Africa	4,422	3,943	7,669
	Japan	South Africa	8,059	8,365	11,992
*	Asia	Europe	13,707	30,430	40,163
*	Asia	Africa	398	1,671	2,367
	Australia	U.S. West Coast	142,403	58,494	63,947
	Australia	Canada West Coast	19,519	16,196	23,720
	Australia	Mexico West Coast	279	794	730
	Australia	Carib./Cent. America WC	673	722	1,335
	Australia	Brazil	671	2,020	6,396
	Australia	Argentina	13	0	0
	Australia	W. South America NEC	2,000	3,593	7,882
	Australia	North Europe	112,825	125,734	96,973
	Australia	Mediterranean Europe	6,941	13,098	11,626
	Australia	North Africa/East Med	6,934	27,746	92,677
	Australia	Saudi Arabia	28,934	12,446	39,010
	Australia	Other Middle East	35,299	112,764	396,335
	Australia	South Asia	3,317	5,535	14,057
	Australia	Thailand	7,855	28,487	53,288
	Australia	Southeast Asia NEC	81,000	65,082	111,820
	Australia	Singapore	92,659	89,844	152,492
	Australia	Other Far East Asia	184,577	646,674	1,323,673
	Australia	Japan	284,908	279,712	257,650
	Australia	Other Oceania	84,268	103,564	197,798
	Australia	West Africa	74	584	1,875
	Australia	East Africa	9,015	68,766	234,591
	Australia	South Africa	2,135	2,552	7,568
	Other Oceania	U.S. West Coast	165,699	343,670	680,060
	Other Oceania	Canada West Coast	13,871	17,114	38,693
	Other Oceania	Mexico West Coast	2,765	9,504	30,157
	Other Oceania	Carib./Cent. America WC	2,864	1,302	1,572
	Other Oceania	Chile	1,260	2,209	6,211
	Other Oceania	Brazil	1,169	3,519	11,143
	Other Oceania	Argentina	20	37	107
	Other Oceania	W. South America NEC	3,798	1,408	3,541
	Other Oceania	E. South America NEC	17	30	82
	Other Oceania	Mediterranean Europe	462,128	1,172,557	1,828,791
	Other Oceania	North Africa/East Med	30,465	132,524	569,846
	Other Oceania	Saudi Arabia	20,705	96,110	405,299
	Other Oceania	Other Middle East	29,038	40,383	179,794
	Other Oceania	South Asia	293	933	2,947
	Other Oceania	Thailand	10,813	36,524	90,626
	Other Oceania	Southeast Asia NEC	38,227	47,364	113,988
	Other Oceania	Singapore	23,518	25,664	60,299
	Other Oceania	Other Far East Asia	91,349	584,137	1,532,447
	Other Oceania	Japan	274,347	453,757	556,894
	Other Oceania	Australia	66,607	84,763	165,396
	Other Oceania	Other Oceania	57,165	32,492	72,397
	Other Oceania	West Africa	59	214	902
	Other Oceania	East Africa	3,701	3,688	14,057
	Other Oceania	South Africa	440	564	1,752
	West Africa	U.S. East Coast	25,546	293,369	1,148,140
	West Africa	U.S. Gulf Coast	211	309	502

Table 1.29 (cont'd.)

	West Africa	Canada East Coast	76	126	519
	West Africa	North Europe	295,145	737,183	1,768,895
	West Africa	Mediterranean Europe	103,499	392,475	1,007,115
	West Africa	Japan	54,433	177,520	260,824
	East Africa	U.S. East Coast	2,936	5,268	22,274
	East Africa	U.S. West Coast	61	109	463
	East Africa	Canada East Coast	5,110	2,666	10,152
	East Africa	North Europe	125,081	777,393	2,519,650
	East Africa	Mediterranean Europe	114,941	607,663	1,652,785
	East Africa	Japan	9,086	20,219	47,252
	East Africa	Australia	547	275	262
	South Africa	U.S. East Coast	56	114	513
	South Africa	North Europe	588,664	1,434,109	3,909,996
	South Africa	Mediterranean Europe	124,313	379,677	1,154,810
	South Africa	Japan	9,107	13,012	29,233
	South Africa	Australia	50	100	500
*	Africa	Asia	50,400	184,967	358,845
	DETAILED, POTENTIAL TRADE				
	U.S. East Coast	Colombia West Coast	3,175	5,292	11,846
	U.S. East Coast	Chile	1,497	2,495	5,585
	U.S. East Coast	W. South America NEC	2,289	3,815	8,540
	U.S. East Coast	Southeast Asia NEC	782	530	991
	U.S. East Coast	Other Far East Asia	71,903	265,984	511,114
	U.S. East Coast	Japan	107,653	299,210	285,000
	U.S. East Coast	Australia	2,869	4,819	7,658
	U.S. East Coast	Other Oceania	1,287	2,861	4,468
	U.S. Gulf Coast	Colombia West Coast	356	593	1,328
	U.S. Gulf Coast	Chile	9	15	34
	U.S. Gulf Coast	W. South America NEC	1,028	1,713	3,835
	U.S. Gulf Coast	Southeast Asia NEC	66	52	93
	U.S. Gulf Coast	Other Far East Asia	726	4,661	9,867
	U.S. Gulf Coast	Japan	34,826	96,796	92,198
	U.S. Gulf Coast	Australia	204	343	545
	U.S. Gulf Coast	Other Oceania	27	61	98
	U.S. East Coast	Carib./Cent. America WC	3,109	5,512	11,873
	U.S. West Coast	U.S. East Coast	2,437	3,344	5,670
	U.S. West Coast	Canada East Coast	205	360	643
	U.S. West Coast	Carib./Cent. America EC	2,917	8,447	18,704
	U.S. West Coast	Colombia East Coast	696	275	654
	U.S. West Coast	Venezuela	99	41	87
	U.S. West Coast	Brazil	3,665	844	2,167
	U.S. West Coast	Argentina	99	22	43
	U.S. West Coast	E. South America NEC	11	50	114
	U.S. West Coast	North Europe	256,613	1,034,150	1,179,974
	U.S. West Coast	Mediterranean Europe	24,493	98,707	112,625
	U.S. West Coast	Middle East	1,701	3,440	12,413
	U.S. West Coast	North Africa/East Med	1,672	2,923	4,943
	U.S. West Coast	West Africa	150	48	131
	U.S. West Coast	South Africa	555	1,857	6,938
	Canada East Coast	U.S. West Coast	1,488	1,423	2,393
	Canada East Coast	Carib./Cent. America WC	2,657	1,051	2,162
	Canada West Coast	Venezuela	308	838	2,048
	Canada East Coast	Chile	303	393	921
	Canada West Coast	Brazil	63	0	0
	Canada East Coast	W. South America NEC	16	0	0
	Canada West Coast	North Europe	8,585	15,787	22,341
	Canada West Coast	Mediterranean Europe	338	611	771
	Canada West Coast	North Africa/East Med	33	129	760
	Canada East Coast	Other Far East Asia	8,178	17,297	37,490
	Canada East Coast	Japan	35,444	50,982	52,714
	Canada East Coast	Australia	1,473	1,788	4,032
	Canada East Coast	Other Oceania	405	491	1,108
	Canada West Coast	West Africa	7	13	34
	Canada West Coast	South Africa	6	7	17

Carib./Cent. America WC	U.S. East Coast	2,014	2,296	3,504
Carib./Cent. America WC	Canada East Coast	9,321	2,446	4,826
Carib./Cent. America WC	Carib./Cent. America EC	99,162	251,871	557,289
Carib./Cent. America EC	South America West Coas	2,243	6,214	11,374
Carib./Cent. America WC	South America East Coas	58,486	148,554	328,690
Carib./Cent. America WC	Europe	536,538	987,230	1,480,845
Carib./Cent. America EC	Asia	35,897	36,974	43,435
Carib./Cent. America WC	Africa	1,246	3,166	7,005
Colombia West Coast	U.S. East Coast	232,986	601,953	1,223,842
Colombia West Coast	U.S. Gulf Coast	3,905	10,088	20,510
Colombia West Coast	North Europe	287,226	985,185	1,461,597
Colombia West Coast	Mediterranean Europe	125,879	431,765	640,556
Venezuela	U.S. West Coast	99	229	305
Venezuela	Canada West Coast	50	117	153
Venezuela	Japan	947	2,207	2,769
Chile	U.S. East Coast	443,982	1,067,991	1,515,597
Chile	U.S. Gulf Coast	7,730	18,594	26,388
Chile	Canada East Coast	75,245	117,603	272,691
Chile	North Europe	393,869	1,350,971	2,004,268
Chile	Mediterranean Europe	113,431	389,068	577,212
Brazil	U.S. West Coast	1,246	2,887	3,836
Brazil	Canada West Coast	2,072	4,810	6,290
Brazil	Japan	71,739	167,152	209,771
Brazil	Australia	840	1,021	2,565
Brazil	Other Oceania	1,193	1,651	4,229
W. South America NEC	U.S. East Coast	630,641	1,002,970	2,037,040
W. South America NEC	U.S. Gulf Coast	50,338	80,057	162,595
W. South America NEC	Canada East Coast	200,754	313,575	761,684
W. South America NEC	North Europe	282,281	968,224	1,436,434
W. South America NEC	Mediterranean Europe	184,515	632,886	938,935
E. South America NEC	U.S. West Coast	263	609	810
E. South America NEC	Canada West Coast	87	201	263
South America East Coas	Carib./Cent. America WC	732	1,700	2,224
South America East Coas	South America West Coas	3,311	7,686	10,213
South America West Coas	Carib./Cent. America EC	43,375	110,173	243,769
South America West Coas	South America East Coas	10,849	27,557	60,973
South America West Coas	Middle East	15,245	16,770	18,447
South America West Coas	Africa	25,375	64,452	142,607
North Europe	U.S. West Coast	58,469	66,983	104,774
North Europe	Canada West Coast	1,581	2,245	3,791
North Europe	Chile	1,725	3,019	6,139
North Europe	W. South America NEC	468	819	1,666
Mediterranean Europe	U.S. West Coast	12,636	26,727	35,253
Mediterranean Europe	Canada West Coast	2,305	3,273	5,527
Mediterranean Europe	Chile	8,828	15,449	31,419
Mediterranean Europe	W. South America NEC	60	105	214
Europe	Carib./Cent. America WC	2,278	2,734	4,472
Europe	Oceania	12,607	23,700	41,854
Middle East	U.S. West Coast	1,024	3,360	7,199
North Africa/East Med	U.S. West Coast	1,525	4,328	5,754
North Africa/East Med	Canada West Coast	205	950	4,072
Thailand	U.S. Gulf Coast	44	149	365
Southeast Asia NEC	U.S. East Coast	38,501	45,623	95,496
Southeast Asia NEC	U.S. Gulf Coast	17	48	106
Other Far East Asia	U.S. East Coast	83,612	258,168	591,039
Other Far East Asia	U.S. Gulf Coast	19	74	162
Other Far East Asia	Canada East Coast	13,003	18,660	53,370
Japan	U.S. East Coast	41,987	105,367	105,553
Japan	U.S. Gulf Coast	3	8	8
Japan	Canada East Coast	11,609	11,329	11,696
Japan	Colombia	449	224	215
Japan	Venezuela	542	111	131
Japan	Brazil	1,900	2,274	2,884

Table 1.29 (cont'd.)

Asia	Carib./Cent. America EC	23,677	88,791	119,098
Australia	U.S. East Coast	250,213	102,779	112,360
Australia	U.S. Gulf Coast	20,531	8,433	9,219
Australia	Canada East Coast	33,871	28,103	41,159
Australia	Colombia East Coast	1	3	10
Australia	Venezuela	13	39	124
Other Oceania	U.S. East Coast	154,201	318,204	629,660
Other Oceania	U.S. Gulf Coast	22,193	42,748	84,579
Other Oceania	Canada East Coast	24,069	29,697	67,140
Other Oceania	Colombia East Coast	5	15	48
Oceania	Carib./Cent. America EC	46,084	41,475	113,366
Oceania	Europe	326,839	859,586	1,287,744
Oceania	Middle East	352	986	4,072
West Africa	U.S. West Coast	359	1,019	1,354
West Africa	Canada West Coast	0	1	4
South Africa	U.S. West Coast	9	26	34
Africa	South America West Coas	319	741	986
Total Trade (all routes)		29,421,479	66,604,641	128,906,425
Total Potential Trade		5,739,667	13,877,347	22,236,621

69 ROUTES, POTENTIAL TRADE

AFRICA	CANADA WEST COAST	205	951	4,076
AFRICA	S. AMERICA W.C.	319	741	986
AFRICA	U.S. W.C., HAWAII	1,893	5,372	7,142
ASIA	CENTRAL AMERICA E.C., W	23,677	88,791	119,098
ASIA	CANADA EAST COAST	24,612	29,989	65,067
ASIA	S. AMERICA E.C.	2,891	2,609	3,230
ASIA	U.S. EAST COAST	164,183	409,437	792,729
CENTRAL AMERICA E.C.,	WASIA	35,897	36,974	43,435
CENTRAL AMERICA E.C.,	WS. AMERICA W.C.	2,243	6,214	11,374
C. AMERICA W.C.	AFRICA	1,246	3,166	7,005
C. AMERICA W.C.	CENTRAL AMERICA E.C., W	99,162	251,871	557,289
C. AMERICA W.C.	CANADA EAST COAST	9,321	2,446	4,826
C. AMERICA W.C.	EUROPE	536,538	987,230	1,480,845
C. AMERICA W.C.	S. AMERICA E.C.	58,486	148,554	328,690
C. AMERICA W.C.	U.S. EAST COAST	2,014	2,296	3,504
CANADA EAST COAST	ASIA	43,622	68,279	90,203
CANADA EAST COAST	C. AMERICA W.C.	2,657	1,051	2,162
CANADA EAST COAST	OCEANIA	1,877	2,280	5,140
CANADA EAST COAST	S. AMERICA W.C.	319	393	921
CANADA EAST COAST	U.S. W.C., HAWAII	1,488	1,423	2,393
CANADA WEST COAST	AFRICA	45	148	811
CANADA WEST COAST	EUROPE	8,923	16,398	23,112
CANADA WEST COAST	S. AMERICA E.C.	371	838	2,048
EUROPE	C. AMERICA W.C.	2,278	2,734	4,472
EUROPE	CANADA WEST COAST	3,885	5,517	9,318
EUROPE	OCEANIA	12,607	23,700	41,854
EUROPE	S. AMERICA W.C.	11,081	19,392	39,438
EUROPE	U.S. W.C., HAWAII	71,105	93,710	140,027
MIDDLE EAST	U.S. W.C., HAWAII	1,024	3,360	7,199
OCEANIA	CENTRAL AMERICA E.C., W	46,084	41,475	113,366
OCEANIA	CANADA EAST COAST	57,940	57,800	108,300
OCEANIA	EUROPE	326,839	859,586	1,287,744
OCEANIA	MIDDLE EAST	352	986	4,072
OCEANIA	S. AMERICA E.C.	19	57	181
OCEANIA	U.S. EAST COAST	447,138	472,164	835,818
S. AMERICA E.C.	ASIA	72,686	169,358	212,540
S. AMERICA E.C.	CANADA WEST COAST	2,209	5,128	6,706
S. AMERICA E.C.	OCEANIA	2,033	2,672	6,794
S. AMERICA E.C.	C. AMERICA W.C.	732	1,700	2,224
S. AMERICA E.C.	S. AMERICA W.C.	3,311	7,686	10,213
S. AMERICA E.C.	U.S. W.C., HAWAII	1,608	3,726	4,951
S. AMERICA W.C.	AFRICA	25,375	64,452	142,607

Table 1.29 (cont'd.)

S. AMERICA W.C.	CENTRAL AMERICA E.C., W	43,375	110,173	243,769
S. AMERICA W.C.	MIDDLE EAST	15,245	16,770	18,447
S. AMERICA W.C.	S. AMERICA E.C.	10,849	27,557	60,973
S. AMERICA W.C.	CANADA EAST COAST	275,999	431,179	1,034,375
S. AMERICA W.C.	EUROPE	1,387,201	4,758,099	7,059,002
S. AMERICA W.C.	U.S. EAST COAST	1,369,582	2,781,654	4,985,973
U.S. EAST COAST	ASIA	215,956	667,233	899,263
U.S. EAST COAST	C. AMERICA W.C.	3,109	5,512	11,873
U.S. EAST COAST	OCEANIA	4,387	8,084	12,769
U.S. EAST COAST	S. AMERICA W.C.	8,354	13,923	31,169
U.S. W.C., HAWAII	AFRICA	2,377	4,828	12,012
U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W	2,917	8,447	18,704
U.S. W.C., HAWAII	CANADA EAST COAST	205	360	643
U.S. W.C., HAWAII	EUROPE	281,106	1,132,857	1,292,599
U.S. W.C., HAWAII	MIDDLE EAST	1,701	3,440	12,413
U.S. W.C., HAWAII	S. AMERICA E.C.	4,570	1,232	3,065
U.S. W.C., HAWAII	U.S. EAST COAST	2,437	3,344	5,670
TOTAL		5,739,667	13,877,347	22,236,621

Table 1.29 (cont'd.)

69 ROUTES, NON-POTENTIAL TRADE				
U.S. East Coast	Asia	20,774	24,594	45,780
South America East Coas	U.S. West Coast	64,188	148,737	197,625
South America East Coas	Canada West Coast	1,161	2,696	3,526
South America East Coas	Asia	39,546	12,444	14,810
South America East Coas	Oceania	3,578	4,079	8,481
Europe	Asia	724,260	1,520,971	2,216,372
Europe	Oceania	20,954	22,093	33,432
Africa	Asia	184,865	666,301	1,318,902
Africa	Oceania	1,275	1,517	3,866
Asia	U.S. East Coast	48,843	150,943	351,858
Asia	Europe	397,340	880,415	1,326,106
Asia	South America East Coas	925	1,202	1,538
Oceania	South America East Coas	1,890	5,605	17,727
Oceania	Europe	581,893	1,311,389	1,937,390
TOTAL		2,091,492	4,752,987	7,477,413
TOTAL BILATERAL TRADE (69 ROUTES)		7,831,159	18,630,334	29,714,034

Table 1.30

Vehicles

Origin	Destination	1990 Tonnes	2020 Tonnes	2060 Tonnes
DETAILED, NON-POTENTIAL TRADE				
U.S. East Coast	Canada East Coast	1,455	1,119	993
U.S. East Coast	Mexico East Coast	735	81	115
U.S. East Coast	Carib./Cent. America EC	68,383	151,710	183,293
U.S. East Coast	Colombia East Coast	2,808	672	873
U.S. East Coast	Venezuela	11,369	603	722
U.S. East Coast	Brazil	6,482	1,377	1,572
U.S. East Coast	Argentina	1,837	199	218
U.S. East Coast	E. South America NEC	715	1,150	1,370
U.S. East Coast	North Europe	277,510	546,494	366,566
U.S. East Coast	Mediterranean Europe	42,627	31,461	23,921
U.S. East Coast	North Africa/East Med	19,901	14,293	26,455
U.S. East Coast	Saudi Arabia	72,879	93,078	208,793
U.S. East Coast	Other Middle East	29,800	80,545	180,722
U.S. East Coast	South Asia	664	948	1,377
U.S. East Coast	Thailand	1,596	455	527
U.S. East Coast	Singapore	3,182	2,608	3,147
U.S. East Coast	West Africa	13,213	7,357	15,837
U.S. East Coast	East Africa	2,312	2,008	4,136
U.S. East Coast	South Africa	2,782	2,127	4,285
U.S. Gulf Coast	Canada East Coast	789	606	539
U.S. Gulf Coast	Mexico East Coast	491	54	77
U.S. Gulf Coast	Carib./Cent. America EC	11,185	24,814	29,980
U.S. Gulf Coast	Colombia East Coast	2,207	528	686
U.S. Gulf Coast	Venezuela	1,691	90	108
U.S. Gulf Coast	Brazil	598	128	144
U.S. Gulf Coast	Argentina	235	26	29
U.S. Gulf Coast	E. South America NEC	22	36	44
U.S. Gulf Coast	North Europe	13,188	23,881	16,835
U.S. Gulf Coast	Mediterranean Europe	2,576	1,783	1,631
U.S. Gulf Coast	North Africa/East Med	9,103	4,277	7,055
U.S. Gulf Coast	Saudi Arabia	3,583	4,576	10,267
U.S. Gulf Coast	Other Middle East	1,879	6,611	15,237
U.S. Gulf Coast	South Asia	1,266	2,374	3,541
U.S. Gulf Coast	Singapore	965	790	952
U.S. Gulf Coast	West Africa	3,187	1,748	3,763
U.S. Gulf Coast	East Africa	1,900	1,650	3,400
U.S. Gulf Coast	South Africa	2,448	1,872	3,772
U.S. West Coast	Canada West Coast	1,955	1,503	1,335
U.S. West Coast	Mexico West Coast	112	13	18
U.S. West Coast	Carib./Cent. America WC	421	934	1,128
U.S. West Coast	Colombia West Coast	2	1	1
U.S. West Coast	Chile	646	1,581	1,941
U.S. West Coast	Argentina	13	1	1
U.S. West Coast	W. South America NEC	126	45	54
U.S. West Coast	Saudi Arabia	1,596	2,037	4,573
U.S. West Coast	Other Middle East	299	391	772
U.S. West Coast	South Asia	153	167	238
U.S. West Coast	Thailand	2,372	676	784
U.S. West Coast	Southeast Asia NEC	12,178	1,710	2,331
U.S. West Coast	Singapore	15,887	13,022	15,702
U.S. West Coast	Other Far East Asia	116,144	182,548	220,011
U.S. West Coast	Japan	113,501	162,558	82,392
U.S. West Coast	Australia	28,307	15,198	14,843
U.S. West Coast	Other Oceania	3,927	1,347	1,466
U.S. West Coast	East Africa	43	37	78
Canada East Coast	U.S. East Coast	595,441	802,720	1,547,071
Canada East Coast	U.S. Gulf Coast	36	50	97
Canada West Coast	U.S. West Coast	74	98	189
Canada West Coast	Mexico West Coast	16	14	37
Canada East Coast	Carib./Cent. America EC	443	135	302
Canada East Coast	Venezuela	219	25	59

Table 1.30 (cont'd.)

Canada East Coast	Argentina	7	0	0
Canada East Coast	E. South America NEC	8	0	0
Canada East Coast	North Europe	18,132	20,192	32,139
Canada East Coast	Mediterranean Europe	1,673	2,056	3,545
Canada East Coast	North Africa/East Med	993	1,023	4,178
Canada East Coast	Saudi Arabia	395	370	1,852
Canada West Coast	Other Middle East	539	699	2,298
Canada West Coast	South Asia	2,358	5,621	18,236
Canada West Coast	Thailand	18	0	0
Canada West Coast	Southeast Asia NEC	46	4	15
Canada West Coast	Singapore	185	150	351
Canada West Coast	Other Far East Asia	2,562	5,105	12,510
Canada West Coast	Japan	2,544	6,256	6,138
Canada West Coast	Australia	3,232	499	903
Canada West Coast	Other Oceania	493	403	984
Canada East Coast	West Africa	673	869	3,128
Canada East Coast	East Africa	92	295	1,301
Canada East Coast	South Africa	175	221	936
Mexico East Coast	U.S. East Coast	22,317	9,037	24,536
Mexico East Coast	U.S. Gulf Coast	8,451	3,500	9,463
Mexico West Coast	U.S. West Coast	211	87	235
Mexico West Coast	Canada West Coast	7,534	8,773	19,553
Mexico East Coast	North Europe	342	212	342
Mexico East Coast	Mediterranean Europe	482	480	1,677
Mexico West Coast	Japan	27	21	23
Mexico West Coast	Australia	79	0	0
Carib./Cent. America EC	U.S. East Coast	14	62	141
Carib./Cent. America EC	U.S. Gulf Coast	33	144	331
Carib./Cent. America WC	U.S. West Coast	1	4	9
Carib./Cent. America EC	Canada East Coast	8	0	0
Carib./Cent. America EC	North Europe	2,999	1,197	2,042
Carib./Cent. America EC	Mediterranean Europe	392	235	322
Colombia East Coast	U.S. East Coast	22	0	0
Colombia East Coast	North Europe	7	1	1
Colombia East Coast	Mediterranean Europe	2	0	0
Venezuela	U.S. East Coast	170	64	143
Venezuela	North Europe	27	41	57
Venezuela	Mediterranean Europe	228	558	1,491
Brazil	U.S. East Coast	18,723	92,146	223,399
Brazil	U.S. Gulf Coast	8,865	43,628	105,775
Brazil	U.S. West Coast	163	804	1,948
Brazil	Canada East Coast	3,230	5,399	12,951
Brazil	North Europe	10,771	43,207	69,484
Brazil	Mediterranean Europe	60,677	315,273	560,798
Argentina	U.S. East Coast	448	634	718
Argentina	U.S. Gulf Coast	214	303	343
Argentina	U.S. West Coast	27	39	44
Argentina	North Europe	129	98	202
Argentina	Mediterranean Europe	132	108	194
Argentina	Japan	16	16	21
E. South America NEC	U.S. Gulf Coast	1	1	3
E. South America NEC	North Europe	74	3	3
E. South America NEC	Mediterranean Europe	22	23	42
North Europe	U.S. East Coast	580,936	799,307	804,658
North Europe	U.S. Gulf Coast	114,064	174,938	203,541
North Europe	Canada East Coast	73,207	33,638	33,669
North Europe	Mexico East Coast	6,396	2,763	2,960
North Europe	Carib./Cent. America EC	35,916	28,457	24,444
North Europe	Colombia East Coast	7,859	2,624	2,500
North Europe	Venezuela	4,975	7,355	7,471
North Europe	Brazil	6,758	8,282	8,058
North Europe	Argentina	2,619	1,382	1,223
North Europe	E. South America NEC	6,462	7,280	7,202
North Europe	North Africa/East Med	277,995	243,146	388,554
North Europe	Saudi Arabia	30,135	30,363	67,789
North Europe	Other Middle East	77,402	38,375	79,661
North Europe	South Asia	10,694	16,472	24,807

Table [illegible] (cont'd.)

North Europe	Thailand	43,051	50,989	63,252
North Europe	Southeast Asia NEC	40,078	10,178	11,681
North Europe	Singapore	28,591	13,063	14,511
North Europe	Other Far East Asia	111,225	209,068	240,031
North Europe	Japan	234,567	442,800	243,213
North Europe	Australia	42,525	14,315	14,421
North Europe	West Africa	156,003	241,616	409,917
North Europe	East Africa	78,010	224,753	451,113
North Europe	South Africa	12,416	4,533	8,610
Mediterranean Europe	U.S. East Coast	31,397	58,018	69,048
Mediterranean Europe	U.S. Gulf Coast	7,171	10,687	13,811
Mediterranean Europe	Canada East Coast	4,936	5,406	8,071
Mediterranean Europe	Mexico East Coast	545	76	118
Mediterranean Europe	Carib./Cent. America EC	5,092	14,869	22,148
Mediterranean Europe	Colombia East Coast	855	765	1,279
Mediterranean Europe	Venezuela	3,977	3,512	5,421
Mediterranean Europe	Brazil	239	140	200
Mediterranean Europe	Argentina	640	826	1,162
Mediterranean Europe	E. South America NEC	373	688	1,060
Mediterranean Europe	North Africa/East Med	42,165	58,222	145,087
Mediterranean Europe	Saudi Arabia	5,420	15,364	53,764
Mediterranean Europe	Other Middle East	8,649	3,614	8,052
Mediterranean Europe	South Asia	1,501	6,985	13,829
Mediterranean Europe	Thailand	2,477	1,338	1,986
Mediterranean Europe	Southeast Asia NEC	1,853	1,211	1,990
Mediterranean Europe	Singapore	3,599	769	1,084
Mediterranean Europe	Other Far East Asia	14,905	43,281	66,880
Mediterranean Europe	Japan	9,710	45,191	28,868
Mediterranean Europe	Australia	6,565	7,241	13,257
Mediterranean Europe	Other Oceania	15,830	23,318	34,565
Mediterranean Europe	West Africa	19,047	46,004	138,935
Mediterranean Europe	East Africa	17,286	60,132	155,589
Mediterranean Europe	South Africa	10,549	22,661	56,650
* Europe	Asia	8,448	18,248	16,897
North Africa/East Med	U.S. East Coast	1,182	657	1,628
North Africa/East Med	U.S. Gulf Coast	137	77	193
North Africa/East Med	Canada East Coast	50	3	9
North Africa/East Med	North Europe	2,826	9,181	19,347
North Africa/East Med	Mediterranean Europe	2,383	4,078	10,695
North Africa/East Med	Japan	26	0	0
North Africa/East Med	Australia	3	16	50
Saudi Arabia	U.S. East Coast	1	5	24
Saudi Arabia	U.S. Gulf Coast	6	35	173
Saudi Arabia	North Europe	534	1,028	2,368
Saudi Arabia	Mediterranean Europe	386	958	2,080
Other Middle East	U.S. East Coast	2	8	22
Other Middle East	U.S. West Coast	3	13	34
Other Middle East	North Europe	958	2,119	4,447
Other Middle East	Mediterranean Europe	134	380	1,142
Other Middle East	Japan	3	0	0
Other Middle East	Australia	1	0	0
South Asia	U.S. East Coast	5	1	4
South Asia	U.S. Gulf Coast	302	109	272
South Asia	U.S. West Coast	180	65	162
South Asia	North Europe	1,099	1,457	2,880
South Asia	Mediterranean Europe	37	7	15
South Asia	Japan	2	2	3
South Asia	Australia	682	0	0
Thailand	U.S. East Coast	186	253	257
Thailand	U.S. West Coast	181	245	249
Thailand	Canada West Coast	3,040	0	0
Thailand	North Europe	146	621	1,102
Thailand	Mediterranean Europe	14	0	0
Thailand	Japan	76	25	51
Thailand	Australia	2	0	0
Thailand	Other Oceania	13	0	0
Southeast Asia NEC	U.S. West Coast	1,288	4,032	9,076

Table 1.30 (cont'd.)

	Southeast Asia NEC	Canada West Coast	8	34	82
	Southeast Asia NEC	North Europe	12,542	37,519	112,632
	Southeast Asia NEC	Mediterranean Europe	13	12	48
	Southeast Asia NEC	Japan	45	203	262
	Southeast Asia NEC	Australia	62	140	348
	Southeast Asia NEC	Other Oceania	72	20	50
	Singapore	U.S. East Coast	51	126	275
	Singapore	U.S. West Coast	9	22	49
	Singapore	North Europe	5,117	9,956	19,187
	Singapore	Mediterranean Europe	52	0	0
	Singapore	Japan	84	27	3
	Singapore	Australia	107	34	80
	Singapore	Other Oceania	37	13	17
	Other Far East Asia	U.S. West Coast	168,619	341,861	646,436
	Other Far East Asia	Canada West Coast	22,276	7,673	14,894
	Other Far East Asia	North Europe	33,263	33,666	56,710
	Other Far East Asia	Mediterranean Europe	14,164	15,506	26,905
	Other Far East Asia	Japan	18,096	10,629	11,125
	Other Far East Asia	Australia	12,807	9,041	18,245
	Other Far East Asia	Other Oceania	1,945	1,989	4,802
	Japan	U.S. West Coast	1,708,223	2,484,861	2,459,652
	Japan	Canada West Coast	331,353	331,711	336,335
	Japan	Colombia West Coast	16,142	7,747	7,683
	Japan	Chile	29,967	137,420	188,425
	Japan	Argentina	1,043	272	289
	Japan	W. South America NEC	16,795	13,780	17,221
	Japan	E. South America NEC	7,804	46,415	63,593
	Japan	North Europe	1,542,278	2,755,045	2,075,624
	Japan	Mediterranean Europe	380,569	604,147	545,068
	Japan	North Africa/East Med	90,668	83,661	142,451
	Japan	Saudi Arabia	168,671	529,133	1,369,318
	Japan	Other Middle East	131,125	99,288	158,429
	Japan	South Asia	71,087	222,693	368,812
	Japan	Thailand	161,099	82,673	99,755
	Japan	Southeast Asia NEC	229,406	111,531	139,535
	Japan	Singapore	77,397	54,231	66,722
	Japan	Other Far East Asia	205,816	478,073	642,412
	Japan	Australia	295,842	246,676	265,276
	Japan	Other Oceania	110,082	91,272	116,354
	Japan	West Africa	40,235	63,999	141,953
	Japan	East Africa	62,100	505,282	1,208,150
	Japan	South Africa	20,797	16,373	35,221
*	Asia	Europe	13,766	25,880	19,548
	Australia	U.S. West Coast	16,789	59,582	110,718
	Australia	Canada West Coast	495	0	0
	Australia	Carib./Cent. America WC	605	624	1,305
	Australia	Chile	1	0	0
	Australia	W. South America NEC	50	0	0
	Australia	North Europe	801	2,437	4,021
	Australia	Mediterranean Europe	97	437	669
	Australia	North Africa/East Med	44	210	633
	Australia	Saudi Arabia	47	282	1,316
	Australia	Other Middle East	241	334	686
	Australia	South Asia	54	106	339
	Australia	Thailand	1,184	347	670
	Australia	Southeast Asia NEC	1,085	1,202	2,720
	Australia	Singapore	469	110	235
	Australia	Other Far East Asia	937	4,317	11,966
	Australia	Japan	588	1,771	1,828
	Australia	Other Oceania	22,437	61,923	144,839
	Australia	West Africa	3	11	46
	Australia	East Africa	170	370	1,238
	Australia	South Africa	38	94	372
	Other Oceania	U.S. West Coast	28	12	11
	Other Oceania	Canada West Coast	28	0	0
	Other Oceania	Chile	46	193	612
	Other Oceania	Argentina	3	0	0

Table 1.33 (cont'd.)

Other Oceania	Mediterranean Europe	13	51	96
Other Oceania	Thailand	21	0	0
Other Oceania	Southeast Asia NEC	1	0	0
Other Oceania	Singapore	18	250	854
Other Oceania	Other Far East Asia	1	17	64
Other Oceania	Japan	15	39	78
Other Oceania	Australia	1,531	2,732	5,880
Other Oceania	Other Oceania	327	796	1,709
Other Oceania	South Africa	29	290	1,624
West Africa	U.S. East Coast	1	0	0
West Africa	North Europe	926	888	1,947
West Africa	Mediterranean Europe	96	373	1,478
East Africa	U.S. East Coast	91	256	984
East Africa	North Europe	129	81	241
East Africa	Mediterranean Europe	138	365	1,390
South Africa	U.S. East Coast	41	193	600
South Africa	U.S. Gulf Coast	1	5	14
South Africa	North Europe	1,182	2,934	7,423
South Africa	Mediterranean Europe	158	362	976
South Africa	Japan	1,794	7,523	13,117
South Africa	Australia	401	590	2,052
South Africa	Other Oceania	1	2	7
DETAILED, POTENTIAL TRADE				
U.S. East Coast	Chile	5,245	12,833	15,758
U.S. East Coast	W. South America NEC	6,269	2,231	2,656
U.S. East Coast	Southeast Asia NEC	2,707	338	458
U.S. East Coast	Other Far East Asia	17,234	26,377	31,821
U.S. East Coast	Japan	8,090	11,584	5,874
U.S. East Coast	Australia	18,249	9,797	9,570
U.S. East Coast	Other Oceania	2,303	1,044	1,170
U.S. Gulf Coast	Chile	6,961	17,032	20,912
U.S. Gulf Coast	W. South America NEC	2,469	879	1,047
U.S. Gulf Coast	Thailand	154	44	50
U.S. Gulf Coast	Southeast Asia NEC	1,842	298	370
U.S. Gulf Coast	Other Far East Asia	2,981	3,522	4,655
U.S. Gulf Coast	Japan	855	1,223	621
U.S. Gulf Coast	Australia	733	393	385
U.S. Gulf Coast	Other Oceania	270	130	147
U.S. West Coast	North Europe	29,005	62,568	40,831
U.S. West Coast	Mediterranean Europe	1,587	1,386	998
U.S. West Coast	North Africa/East Med	1,464	703	1,155
U.S. West Coast	West Africa	68	27	59
U.S. West Coast	South Africa	237	181	365
Canada East Coast	South America West Coas	533	727	1,792
Canada East Coast	Asia	384	829	2,608
Carib./Cent. America EC	Carib./Cent. America WC	518	2,220	5,095
Carib./Cent. America WC	Carib./Cent. America EC	471	2,019	4,625
Carib./Cent. America EC	South America West Coas	6,545	18,131	33,185
Carib./Cent. America WC	U.S. East Coast	4,512	2,075	5,504
Chile	North Europe	23	46	124
Chile	Mediterranean Europe	55	110	297
Brazil	Japan	454	545	637
Brazil	Australia	621	212	259
Brazil	Other Oceania	39	0	0
W. South America NEC	North Europe	8	16	43
W. South America NEC	Mediterranean Europe	104	208	562
South America East Coas	South America West Coas	1,253	1,641	1,714
South America West Coas	South America East Coas	69	243	580
South America West Coas	U.S. East Coast	596	472	1,241
North Europe	U.S. West Coast	168,958	241,610	239,602
North Europe	Chile	9,798	7,446	9,896
North Europe	W. South America NEC	6,592	5,010	6,658
Mediterranean Europe	U.S. West Coast	8,991	12,857	12,750
Mediterranean Europe	Chile	1,412	1,073	1,426
Mediterranean Europe	W. South America NEC	934	710	943
Europe	Canada West Coast	10,788	6,042	6,257

Table 1.30 (cont'd.)

Europe	Carib./Cent. America WC	8,908	8,997	10,066
Europe	Oceania	18,142	9,434	11,611
Middle East	South America West Coas	716	937	981
Southeast Asia NEC	U.S. East Coast	311	987	2,222
Other Far East Asia	U.S. East Coast	92,862	187,741	352,404
Other Far East Asia	U.S. Gulf Coast	371	778	1,669
Japan	U.S. East Coast	1,068,870	1,554,828	1,539,053
Japan	U.S. Gulf Coast	90,761	132,027	130,687
Japan	Venezuela	11,078	14,623	17,611
Japan	Brazil	118	156	188
Asia	Carib./Cent. America EC	111,189	28,909	27,797
Australia	U.S. East Coast	164	557	1,026
Australia	U.S. Gulf Coast	184	619	1,171
Total Trade (all routes)		11,704,280	17,860,607	22,448,450
Total Potential Trade		1,736,055	2,397,425	2,571,188
69 ROUTES, POTENTIAL TRADE				
ASIA	CENTRAL AMERICA E.C., W	111,189	28,909	27,797
ASIA	S. AMERICA E.C.	11,196	14,779	17,799
ASIA	U.S. EAST COAST	1,253,175	1,876,361	2,026,035
CENTRAL AMERICA E.C.,	WC. AMERICA W.C.	518	2,220	5,095
CENTRAL AMERICA E.C.,	WS. AMERICA W.C.	6,545	18,131	33,185
C. AMERICA W.C.	CENTRAL AMERICA E.C., W	471	2,019	4,625
C. AMERICA W.C.	U.S. EAST COAST	4,512	2,075	5,504
CANADA EAST COAST	ASIA	384	829	2,608
CANADA EAST COAST	S. AMERICA W.C.	533	727	1,792
EUROPE	C. AMERICA W.C.	8,908	8,997	10,066
EUROPE	CANADA WEST COAST	10,788	6,042	6;257
EUROPE	OCEANIA	18,142	9,434	11,611
EUROPE	S. AMERICA W.C.	18,736	14,239	18,923
EUROPE	U.S. W.C., HAWAII	177,949	254,467	252,352
MIDDLE EAST	S. AMERICA W.C.	716	937	981
OCEANIA	U.S. EAST COAST	348	1,176	2,197
S. AMERICA E.C.	ASIA	454	545	637
S. AMERICA E.C.	S. AMERICA W.C.	1,253	1,641	1,714
S. AMERICA E.C.	OCEANIA	660	212	259
S. AMERICA W.C.	EUROPE	190	380	1,026
S. AMERICA W.C.	S. AMERICA E.C.	69	243	580
S. AMERICA W.C.	U.S. EAST COAST	596	472	1,241
U.S. EAST COAST	ASIA	33,863	43,386	43,849
U.S. EAST COAST	OCEANIA	21,555	11,364	11,272
U.S. EAST COAST	S. AMERICA W.C.	20,944	32,975	40,373
U.S. W.C., HAWAII	AFRICA	1,769	911	1,579
U.S. W.C., HAWAII	EUROPE	30,592	63,954	41,829
TOTAL		1,736,055	2,397,425	2,571,188
69 ROUTES, NON-POTENTIAL TRADE				
U.S. East Coast	Asia	7,673	7,175	9,544
U.S. West Coast	Africa	43	37	78
South America East Coas	Asia	16	16	21
Europe	Asia	510,699	859,593	729,028
Europe	Oceania	64,919	44,873	62,243
Africa	Asia	1,820	7,523	13,117
Africa	Oceania	405	608	2,109
Middle East	U.S. West Coast	3	13	34
Asia	U.S. East Coast	544	489	808
Asia	Europe	2,003,060	3,483,816	2,859,719
Asia	South America East Coas	8,847	46,687	63,882
Oceania	Europe	911	2,925	4,786
Oceania	South America East Coas	3	0	0
TOTAL		2,598,943	4,453,755	3,745,369
TOTAL BILATERAL TRADE (69 ROUTES)		4,334,998	6,851,180	6,316,557

Table 1.3

Bulk Grains

Origin	Destination	1990 Tonnes	2020 Tonnes	2060 Tonnes
DETAILED, NON-POTENTIAL TRADE				
U.S. East Coast	Canada East Coast	1,185,860	1,598,422	2,379,785
U.S. East Coast	Mexico East Coast	21,201	85,622	191,084
U.S. East Coast	Carib./Cent. America EC	57,125	175,151	389,796
U.S. East Coast	Colombia East Coast	26,000	5,148	10,847
U.S. East Coast	Venezuela	8	18	41
U.S. East Coast	Brazil	27,879	4,250	12,204
U.S. East Coast	Argentina	1,199	97	107
U.S. East Coast	E. South America NEC	130	433	910
U.S. East Coast	North Europe	1,466,949	3,013,877	2,780,295
U.S. East Coast	Mediterranean Europe	1,363,235	3,018,051	3,238,177
U.S. East Coast	North Africa/East Med	1,180,198	5,606,437	16,405,985
U.S. East Coast	Saudi Arabia	671	1,263	3,744
U.S. East Coast	Other Middle East	649	2,344	5,096
U.S. East Coast	Southeast Asia NEC	112	168	291
U.S. East Coast	Australia	36	158	280
U.S. East Coast	West Africa	109,241	397,279	1,280,213
U.S. East Coast	East Africa	87	683	2,307
U.S. East Coast	South Africa	31	0	0
U.S. Gulf Coast	Mexico East Coast	3,683,609	15,192,737	33,915,262
U.S. Gulf Coast	Carib./Cent. America EC	1,795,753	4,894,301	10,879,368
U.S. Gulf Coast	Venezuela	1,231,011	2,901,134	6,336,901
U.S. Gulf Coast	Brazil	377,489	57,541	165,227
U.S. Gulf Coast	Argentina	549	44	49
U.S. Gulf Coast	E. South America NEC	20,235	58,950	128,389
U.S. Gulf Coast	North Europe	12,352,080	13,920,359	14,647,116
U.S. Gulf Coast	Mediterranean Europe	4,438,088	8,384,084	8,955,574
U.S. Gulf Coast	North Africa/East Med	7,349,496	26,635,071	75,703,519
U.S. Gulf Coast	Saudi Arabia	785,034	1,476,479	4,377,426
U.S. Gulf Coast	Other Middle East	942,629	4,526,340	7,902,472
U.S. Gulf Coast	South Asia	582,978	823,983	1,986,017
U.S. Gulf Coast	West Africa	365,409	1,121,492	3,628,436
U.S. Gulf Coast	East Africa	498,173	3,897,826	13,165,172
U.S. Gulf Coast	South Africa	101,182	154,009	372,865
U.S. West Coast	Canada West Coast	4,899	6,603	9,832
U.S. West Coast	Mexico West Coast	43,000	173,660	387,560
U.S. West Coast	Carib./Cent. America WC	51,819	158,884	353,592
U.S. West Coast	Colombia West Coast	28,630	5,668	11,945
U.S. West Coast	Chile	15,531	1,712	5,081
U.S. West Coast	W. South America NEC	129,117	140,491	306,340
U.S. West Coast	Saudi Arabia	153,964	289,571	858,511
U.S. West Coast	Other Middle East	153,376	461,796	1,163,533
U.S. West Coast	South Asia	1,384,056	7,367,559	18,713,562
U.S. West Coast	Thailand	202,096	95,560	121,774
U.S. West Coast	Southeast Asia NEC	1,541,389	2,019,274	3,432,846
U.S. West Coast	Singapore	25,970	69,700	101,650
U.S. West Coast	Other Far East Asia	9,561,233	24,419,276	51,084,042
U.S. West Coast	Japan	7,657,184	26,293,357	24,989,107
U.S. West Coast	Australia	448	1,949	3,429
U.S. West Coast	Other Oceania	96,736	194,114	388,503
Canada East Coast	U.S. East Coast	246,640	258,659	245,111
Canada West Coast	U.S. West Coast	13,710	14,378	13,625
Canada West Coast	Mexico West Coast	63,616	125,330	301,793
Canada West Coast	Carib./Cent. America WC	633,598	285,107	589,309
Canada East Coast	Colombia East Coast	214,273	733,101	1,758,383
Canada East Coast	Venezuela	319,686	774,431	1,883,569
Canada West Coast	Chile	33,294	50,831	121,874
Canada East Coast	Brazil	352,854	12,263	46,839
Canada East Coast	Argentina	199	0	0

Table 1.31 (cont'd.)

Canada West Coast	W. South America NEC	63,867	103,692	255,390
Canada East Coast	North Europe	4,604,191	1,683,063	1,688,576
Canada East Coast	Mediterranean Europe	547,658	972,423	1,659,629
Canada East Coast	North Africa/East Med	822,945	1,438,513	7,664,510
Canada East Coast	Saudi Arabia	41,998	188,297	462,652
Canada East Coast	Other Middle East	1,467,083	1,509,014	2,455,082
Canada East Coast	South Asia	438,874	1,152,721	3,163,550
Canada West Coast	Thailand	75,641	84,920	166,013
Canada West Coast	Southeast Asia NEC	693,119	2,984,851	6,778,296
Canada West Coast	Singapore	21	0	0
Canada West Coast	Other Far East Asia	4,554,470	10,483,185	28,428,238
Canada West Coast	Japan	1,423,539	1,547,750	1,543,496
Canada West Coast	Australia	4	1	1
Canada East Coast	West Africa	70,201	(54,353)	(738,781)
Canada East Coast	East Africa	230,290	1,296,270	4,762,506
Canada East Coast	South Africa	550,003	809,226	2,136,897
Mexico East Coast	North Europe	64	51	57
Carib./Cent. America EC	U.S. Gulf Coast	7	3	4
Carib./Cent. America EC	North Europe	97	0	0
Carib./Cent. America EC	Mediterranean Europe	200	0	0
Carib./Cent. America WC	Japan	5,500	958	1,003
Chile	U.S. West Coast	735	434	612
Chile	Japan	1,234	1,597	1,960
Brazil	U.S. East Coast	13	11	17
Brazil	North Europe	4,087	5,820	7,520
Brazil	Mediterranean Europe	2	0	0
Argentina	U.S. East Coast	19,835	19,625	23,567
Argentina	Canada East Coast	285	0	0
Argentina	North Europe	341,501	275,031	402,578
Argentina	Mediterranean Europe	715,147	221,995	488,756
Argentina	Japan	802,255	101,499	124,737
W. South America NEC	U.S. West Coast	10	3	3
W. South America NEC	Japan	1,069	743	920
E. South America NEC	Mediterranean Europe	48,181	0	0
North Europe	U.S. East Coast	453	361	269
North Europe	Canada East Coast	206	320	599
North Europe	Carib./Cent. America EC	545,689	452,718	871,566
North Europe	Brazil	62,652	0	0
North Europe	Argentina	21	13	35
North Europe	North Africa/East Med	5,469,889	5,106,799	15,693,311
North Europe	Saudi Arabia	23	0	0
North Europe	Other Middle East	358,536	358,283	748,230
North Europe	South Asia	368,061	355,916	776,454
North Europe	Southeast Asia NEC	149,052	259,031	501,177
North Europe	Singapore	2	19	70
North Europe	Other Far East Asia	1,927,130	1,223,130	2,576,515
North Europe	Japan	347	69	49
North Europe	Australia	11	0	0
North Europe	Other Oceania	3,115	3,458	5,890
North Europe	West Africa	579,946	2,020,966	6,024,460
North Europe	East Africa	602,736	3,406,027	10,490,031
North Europe	South Africa	7,007	0	0
Mediterranean Europe	U.S. East Coast	2,227	67	103
Mediterranean Europe	U.S. Gulf Coast	83	4	7
Mediterranean Europe	Canada East Coast	172	26	68
Mediterranean Europe	Carib./Cent. America EC	106,491	5,255	11,072
Mediterranean Europe	Argentina	1	0	0
Mediterranean Europe	North Africa/East Med	271,244	428,900	1,241,686
Mediterranean Europe	Saudi Arabia	393	0	0
Mediterranean Europe	Other Middle East	3,545	0	0
Mediterranean Europe	South Asia	303	0	0
Mediterranean Europe	Other Far East Asia	31,500	47,854	157,159
Mediterranean Europe	Japan	882	933	730
Mediterranean Europe	West Africa	4,709	11,338	36,610

Table 1.31 (cont'd.)

Mediterranean Europe	East Africa	30,863	238,399	720,948
North Africa/East Med	U.S. East Coast	7	0	0
North Africa/East Med	Canada East Coast	82	0	0
North Africa/East Med	North Europe	1,373	2,909	7,978
North Africa/East Med	Mediterranean Europe	14,011	33,689	82,480
North Africa/East Med	Other Oceania	1	2	13
Saudi Arabia	Mediterranean Europe	233,644	253,964	313,564
Other Middle East	North Europe	1	0	0
Other Middle East	Mediterranean Europe	141	0	0
South Asia	U.S. West Coast	18	29	25
South Asia	Canada West Coast	68	0	0
South Asia	North Europe	311	111	223
South Asia	Mediterranean Europe	18	0	0
Thailand	U.S. East Coast	4	6	9
Thailand	U.S. West Coast	107	173	236
Thailand	Canada West Coast	9	0	0
Thailand	North Europe	88	65	112
Thailand	Mediterranean Europe	5	0	0
Thailand	Japan	798	2,067	2,849
Southeast Asia NEC	Japan	11,237	3,738	4,916
Other Far East Asia	U.S. East Coast	146	129	151
Other Far East Asia	U.S. West Coast	22	20	24
Other Far East Asia	Canada West Coast	6	0	0
Other Far East Asia	North Europe	23,647	76,167	133,111
Other Far East Asia	Mediterranean Europe	1,332	4,855	8,875
Other Far East Asia	Japan	1,071,136	2,514,919	4,074,029
Other Far East Asia	Australia	33	32	76
Other Far East Asia	Other Oceania	26	38	122
Japan	U.S. West Coast	3	0	0
Japan	North Europe	11	63	28
Japan	Mediterranean Europe	1	0	0
Japan	Southeast Asia NEC	3	0	0
Japan	Other Far East Asia	7	0	0
Australia	Canada West Coast	30	40	81
Australia	Mexico West Coast	236	0	0
Australia	North Europe	38,616	126,582	294,236
Australia	Mediterranean Europe	11,778	33,199	61,077
Australia	North Africa/East Med	1,779,371	5,684,819	18,494,318
Australia	Saudi Arabia	38,590	26,761	52,694
Australia	Other Middle East	4,341,124	10,906,569	20,009,290
Australia	South Asia	377,682	713,914	1,773,762
Australia	Thailand	38,052	315,573	642,666
Australia	Southeast Asia NEC	1,614,253	1,861,212	3,565,518
Australia	Singapore	110,660	47,708	74,743
Australia	Other Far East Asia	1,779,795	1,409,036	2,845,772
Australia	Japan	1,029,471	2,747,456	2,674,661
Australia	Other Oceania	325,073	367,033	691,900
Australia	East Africa	52,740	452,228	1,548,452
Australia	South Africa	7,042	6,297	18,682
Other Oceania	Canada West Coast	1	1	2
Other Oceania	North Europe	526	77	119
Other Oceania	Mediterranean Europe	155	0	0
Other Oceania	Southeast Asia NEC	40	0	0
Other Oceania	Australia	5	5	10
Other Oceania	Other Oceania	11	4	9
West Africa	North Europe	105	0	0
West Africa	Mediterranean Europe	99	0	0
East Africa	North Europe	43,491	222,831	582,611
East Africa	Mediterranean Europe	69,043	211,933	529,871
East Africa	Japan	3	7	16
South Africa	North Europe	102,470	195,406	587,727
South Africa	Mediterranean Europe	272,325	181,475	484,510
South Africa	Japan	1,092,897	2,113,719	4,779,750

Table 1.31 (cont'd.)

DETAILED, POTENTIAL TRADE				
U.S. East Coast	Chile	32,952	27,327	56,288
U.S. East Coast	Other Far East Asia	140,157	234,066	301,143
U.S. East Coast	Japan	15,221	25,420	32,704
U.S. Gulf Coast	Mexico West Coast	962,022	3,569,103	7,955,926
U.S. Gulf Coast	Carib./Cent. America WC	949,883	3,524,065	7,855,531
U.S. Gulf Coast	Colombia West Coast	247,036	204,866	421,980
U.S. Gulf Coast	Chile	238,351	197,663	407,143
U.S. Gulf Coast	W. South America NEC	814,675	675,606	1,391,602
U.S. Gulf Coast	Thailand	8,500	14,196	18,264
U.S. Gulf Coast	Southeast Asia NEC	16,925	28,265	36,364
U.S. Gulf Coast	Other Far East Asia	6,238,556	10,418,545	13,404,252
U.S. Gulf Coast	Japan	12,148,524	20,287,125	26,100,790
U.S. Gulf Coast	Other Oceania	5,537	17,076	20,093
U.S. West Coast	North Europe	11,540	30,905	24,883
U.S. West Coast	Mediterranean Europe	79,467	212,820	171,354
U.S. West Coast	North Africa/East Med	1,032,469	3,562,019	5,306,892
Canada East Coast	Carib./Cent. America WC	10,653	8,842	20,027
Canada East Coast	Chile	1,242	261	248
Canada East Coast	W. South America NEC	2,236	470	447
Canada East Coast	Other Far East Asia	212,648	478,459	1,248,246
Canada West Coast	Colombia East Coast	24,554	64,331	155,945
Canada West Coast	Venezuela	27,500	72,051	174,661
Canada West Coast	Mediterranean Europe	31,428	22,425	17,591
Canada West Coast	North Africa/East Med	20,036	53,496	231,217
Canada West Coast	West Africa	69,600	185,833	803,189
Mexico West Coast	Mexico East Coast	48,468	119,230	233,614
Mexico West Coast	Carib./Cent. America EC	16,007	39,376	77,151
Chile	North Europe	122	223	344
Chile	Mediterranean Europe	80	146	226
Colombia West Coast	North Europe	115	211	324
Brazil	Other Far East Asia	44,196	150,795	182,183
W. South America NEC	Mediterranean Europe	104	190	293
North Europe	Carib./Cent. America WC	26,441	29,349	60,285
North Europe	W. South America NEC	16,942	21,685	39,813
North Europe	Other Oceania	1,742	2,348	3,020
Mediterranean Europe	Carib./Cent. America WC	2,456	2,726	5,599
Other Far East Asia	Carib./Cent. America EC	2,621	7,508	11,300
East Africa	Carib./Cent. America WC	9,458	23,267	45,589
East Africa	Colombia West Coast	13,750	33,826	66,276
South Africa	Carib./Cent. America WC	4,068	10,008	19,610
Total Trade (all routes)		128,955,319	275,527,239	548,335,300
Total Potential Trade		23,528,282	44,356,125	66,902,411

Table 1.31 (cont'd.)

69 ROUTES, POTENTIAL TRADE				
AFRICA	C. AMERICA W.C.	13,527	33,276	65,199
AFRICA	S. AMERICA W.C.	13,750	33,826	66,276
ASIA	CENTRAL AMERICA E.C., W	2,621	7,508	11,300
C. AMERICA W.C.	CENTRAL AMERICA E.C., W	64,474	158,607	310,766
CANADA EAST COAST	ASIA	212,648	478,459	1,248,246
CANADA EAST COAST	C. AMERICA W.C.	10,653	8,842	20,027
CANADA EAST COAST	S. AMERICA W.C.	3,479	731	696
CANADA WEST COAST	AFRICA	89,637	239,330	1,034,406
CANADA WEST COAST	EUROPE	31,428	22,425	17,591
CANADA WEST COAST	S. AMERICA E.C.	52,054	136,382	330,606
EUROPE	S. AMERICA W.C.	16,942	21,685	39,813
EUROPE	C. AMERICA W.C.	28,897	32,075	65,884
EUROPE	OCEANIA	1,742	2,348	3,020
S. AMERICA E.C.	ASIA	44,196	150,795	182,183
S. AMERICA W.C.	EUROPE	420	771	1,188
U.S. EAST COAST	ASIA	18,567,882	31,007,616	39,893,518
U.S. EAST COAST	C. AMERICA W.C.	1,911,905	7,093,169	15,811,457
U.S. EAST COAST	OCEANIA	5,537	17,076	20,093
U.S. EAST COAST	S. AMERICA W.C.	1,333,014	1,105,463	2,277,013
U.S. W.C., HAWAII	AFRICA	1,032,469	3,562,019	5,306,892
U.S. W.C., HAWAII	EUROPE	91,007	243,725	196,238
TOTAL		23,528,282	44,356,125	66,902,411
69 ROUTES, NON-POTENTIAL TRADE				
U.S. East Coast	Asia	582,978	823,983	1,986,017
U.S. East Coast	Oceania	36	158	280
South America East Coas	Asia	802,255	101,499	124,737
Europe	Asia	2,477,277	1,886,952	4,012,154
Europe	Oceania	11	0	0
Africa	Oceania	1	2	13
Africa	Asia	1,092,900	2,113,726	4,779,766
Asia	U.S. East Coast	4	6	9
Asia	Europe	25,413	81,261	142,349
Oceania	Europe	51,075	159,858	355,432
TOTAL		5,031,950	5,167,445	11,400,757
TOTAL BILATERAL TRADE (69 ROUTES)		28,560,232	49,523,570	78,303,168

Table 1.32

MILEAGES

Origin	Destination	Port Origin	Port Destination	MILEAGES P CANAL (NLR=NOT LOGICAL ROUTE)	OTHER	Other Route
U.S. East Coast	U.S. West Coast	New York	San Francisco	5264	13773	CAPE HORN
U.S. East Coast	Canada East Coast	New York	MONTREAL	NLR		
U.S. East Coast	Canada West Coast	New York	Vancouver	6064	14186	CAPE HORN
U.S. East Coast	Mexico East Coast	New York	TAMPICO	NLR		
U.S. East Coast	Mexico West Coast	New York	SALINA CRUZ	4327	11754	CAPE HORN
U.S. East Coast	Carib./Cent. America EC	New York	KINGSTON	NLR	1167	FLORIDA STR
U.S. East Coast	Carib./Cent. America WC	New York	BALBOA	2019	NLR	
U.S. East Coast	Colombia East Coast	New York	CARTAGENA	NLR		
U.S. East Coast	Colombia West Coast	New York	BUENAVENTURA	2373	10878	CAPE HORN
U.S. East Coast	Venezuela	New York	LA GUAIRA	NLR		
U.S. East Coast	Chile	New York	VALPARAISO	4634	8584	CAPE HORN
U.S. East Coast	Brazil	New York	RIO DE JAINERO	NLR	4745	DIRECT
U.S. East Coast	Argentina	New York	BUENOS AIRES	NLR	5887	DIRECT
U.S. East Coast	W. South America NEC	New York	CALLAO	3367	9881	CAPE HORN
U.S. East Coast	E. South America NEC	New York	MONTEVIDEO	NLR	5727	DIRECT
U.S. East Coast	North Europe	New York	ROTTERDAM	NLR	3314	DIRECT.
U.S. East Coast	Mediterranean Europe	New York	NAPOLI	NLR	3577	DIRECT
U.S. East Coast	North Africa/East Med	New York	PORT SAID	NLR	4988	DIRECT
U.S. East Coast	Saudi Arabia	New York	JIDDAH	NLR		
U.S. East Coast	Other Middle East	New York	KUWAIT	NLR		
U.S. East Coast	South Asia	New York	CALCUTTA	14347	9844	SUEZ
U.S. East Coast	Thailand	New York	BANGKOK	12556	10964	SUEZ
U.S. East Coast	Southeast Asia NEC	New York	MANILA	11364	11502	SUEZ
U.S. East Coast	Singapore	New York	SINGGAPORE	12467	10133	SUEZ
U.S. East Coast	Other Far East Asia	New York	SHANGHAI	10583	12476	SUEZ
U.S. East Coast	Japan	New York	YOKOHAMA	9659	13025	SUEZ
U.S. East Coast	Australia East Coast	New York	PORT KEMBLA	9600	12779	CAPE HORN
U.S. East Coast	Australia West Caost	New York	PORT HEDLAND	12084	11306	SUEZ
U.S. East Coast	Other Oceania	New York	WELLINGTON	8525	13555	SUEZ
U.S. East Coast	West Africa	New York	LAGOS	NLR	3335	DIRECT
U.S. East Coast	East Africa	New York	MOMBASA	NLR	8151	SUEZ
U.S. East Coast	South Africa	New York	CAPE TOWN	NLR	6800	DIRECT
U.S. Gulf Coast	U.S. West Coast	New Orleans	SAN FRANCISCO	4693	13802	CAPE HORN
U.S. Gulf Coast	Canada East Coast	New Orleans	MONTREAL	NLR	3069	ST LAWRENCE
U.S. Gulf Coast	Canada West Coast	New Orleans	VANCOUVER	5468	14585	CAPE HORN
U.S. Gulf Coast	Mexico East Coast	New Orleans	TAMPICO	NLR		
U.S. Gulf Coast	Mexico West Coast	New Orleans	SALINA CRUZ	2620	12153	CAPE HORN
U.S. Gulf Coast	Carib./Cent. America EC	New Orleans	KINGSTON	NLR		
U.S. Gulf Coast	Carib./Cent. America WC	New Orleans	BALBOA	1447	NLR	
U.S. Gulf Coast	Colombia East Coast	New Orleans	CARTAGENA	NLR		
U.S. Gulf Coast	Colombia West Coast	New Orleans	BUENAVENTURA	1779	11298	CAPE HORN
U.S. Gulf Coast	Venezuela	New Orleans	LA GUAIRA	NLR		
U.S. Gulf Coast	Chile	New Orleans	VALPARAISO	4038	9037	CAPE HORN
U.S. Gulf Coast	Brazil	New Orleans	RECIFE	NLR		
U.S. Gulf Coast	Argentina	New Orleans	BUENOS AIRES	6751	6237	DIRECT
U.S. Gulf Coast	W. South America NEC	New Orleans	CALLAO	2767	10280	CAPE HORN
U.S. Gulf Coast	E. South America NEC	New Orleans	MONTEVIDEO	NLR		
U.S. Gulf Coast	North Europe	New Orleans	ROTTERDAM	NLR		
U.S. Gulf Coast	Mediterranean Europe	New Orleans	NAPOLI	NLR		
U.S. Gulf Coast	North Africa/East Med	New Orleans	PORT SAID	NLR		
U.S. Gulf Coast	Saudi Arabia	New Orleans	JIDDAH	NLR		
U.S. Gulf Coast	Other Middle East	New Orleans	KUWAIT	NLR		
U.S. Gulf Coast	South Asia	New Orleans	CALCUTTA	13684	11189	SUEZ
U.S. Gulf Coast	Thailand	New Orleans	BANGKOK	11987	12328	SUEZ
U.S. Gulf Coast	Southeast Asia NEC	New Orleans	MANILA	10780	11180	SUEZ

MILEAGES

Origin	Destination	Port Origin	Port Destination	MILEAGES P CANAL (NLR=NOT ROUTE)	OTHER LOGICAL	Other Route
U.S. Gulf Coast	Singapore	New Orleans	SINGAPORE	11898	11497	SUEZ
U.S. Gulf Coast	Other Far East Asia	New Orleans	SHANGHAI	10080	13727	SUEZ
U.S. Gulf Coast	Japan	New Orleans	YOKOHAMA	9090	15777	CAPE HOPE
U.S. Gulf Coast	Australia East Coast	New Orleans	PORT KEMBLA	9031	13161	CAPE HOPE
U.S. Gulf Coast	Australia West Caost	New Orleans	PORT HEDLAND	11515	12544	CAPE HOPE
U.S. Gulf Coast	Other Oceania	New Orleans	WELLINGTON	7938	15700	SUEZ
U.S. Gulf Coast	West Africa	New Orleans	LAGOS	NLR		
U.S. Gulf Coast	East Africa	New Orleans	MOMBASA	NLR		
U.S. Gulf Coast	South Africa	New Orleans	CAPE TOWN	NLR		
U.S. West Coast	U.S. East Coast	San Francisco	NEW YORK	5262	NLR	
U.S. West Coast	Canada East Coast	San Francisco	MONTREAL	6542	NLR	
U.S. West Coast	Canada West Coast	San Francisco	VANCOUVER	NLR		
U.S. West Coast	Mexico East Coast	San Francisco	TAMPICO	4763	NLR	
U.S. West Coast	Mexico West Coast	San Francisco	ACAPULCO	NLR		
U.S. West Coast	Carib./Cent. America EC	San Francisco	KINGSTON	3873	NLR	
U.S. West Coast	Carib./Cent. America WC	San Francisco	BALBOA	NLR		
U.S. West Coast	Colombia East Coast	San Francisco	CARTAGENA	3565	NLR	
U.S. West Coast	Colombia West Coast	San Francisco	BUENAVENTURA	NLR	3381	DIRECT
U.S. West Coast	Venezuela	San Francisco	PUERTO CABELLO	4080	NLR	
U.S. West Coast	Chile	San Francisco	VALPARAISO	NLR	5140	DIRECT
U.S. West Coast	Brazil	San Francisco	RIO DE JANEIRO	7536		CAPE HORN
U.S. West Coast	Argentina	San Francisco	BUENOS AIRES	7536	6201	CAPE HORN
U.S. West Coast	W. South America NEC	San Francisco	CALLAO	NLR		
U.S. West Coast	E. South America NEC	San Francisco	MONTEVIDEO	8520	8758	CAPE HORN
U.S. West Coast	North Europe	San Francisco	ROTTERDAM	8047	13836	CAPE HORN
U.S. West Coast	Mediterranean Europe	San Francisco	GENOA	8419	13568	CAPE HORN
U.S. West Coast	North Africa/East Med	San Francisco	TRIPOLI	9589	12635	SUEZ
U.S. West Coast	Saudi Arabia	San Francisco	JIDDAH	10207	11677	DIRECT
U.S. West Coast	Saudi Arabia	San Francisco	RAS TANURA	12646	11057	DIRECT
U.S. West Coast	Other Middle East	San Francisco	KUWAIT	13016	11318	DIRECT
U.S. West Coast	South Asia	San Francisco	CALCUTTA	15129	9046	DIRECT
U.S. West Coast	Thailand	San Francisco	BANGKOK	15363	8150	DIRECT
U.S. West Coast	Southeast Asia NEC	San Francisco	MANILA	16455	6230	DIRECT
U.S. West Coast	Singapore	San Francisco	SINGAPORE	15405	7395	DIRECT
U.S. West Coast	Other Far East Asia	San Francisco	HONG KONG	16031	6520	DIRECT
U.S. West Coast	Japan	San Francisco	TOKYO	18097	4535	DIRECT
U.S. West Coast	Australia East Coast	San Francisco	SYDNEY	16659	6456	DIRECT
U.S. West Coast	Australia West Caost	San Francisco	FREMANTLE	14706	8524	DIRECT
U.S. West Coast	Other Oceania	San Francisco	WELLINGTON	16780	5900	DIRECT
U.S. West Coast	West Africa	San Francisco	LAGOS	8270	11624	CAPE HORN
U.S. West Coast	East Africa	San Francisco	DAR ES SALAAM	12009	11397	DIRECT
U.S. West Coast	South Africa	San Francisco	DURBAN	10440	12223	DIRECT
Canada East Coast	U.S. East Coast	Montreal	NEW YORK	NLR		
Canada East Coast	U.S. Gulf Coast	Montreal	NEW ORLEANS	NLR		
Canada East Coast	U.S. West Coast	Montreal	SAN FRANCISCO	5588	NLR	
Canada East Coast	Mexico East Coast	Quebec	TAMPICO	NLR		
Canada East Coast	Mexico West Coast	Montreal	SALINA CRUZ	4458	NLR	
Canada East Coast	Carib./Cent. America EC	Montreal	KINGSTON	NLR		
Canada East Coast	Carib./Cent. America WC	Montreal	BALBOA	3162	NLR	
Canada East Coast	Colombia East Coast	Montreal	CARTAGENA	NLR		
Canada East Coast	Colombia West Coast	Quebec	BUENAVENTURA	3516	NLR	
Canada East Coast	Venezuela	Montreal	LA GUAIRA	NLR		
Canada East Coast	Chile	Montreal	VALPARAISO	5913	NLR	
Canada East Coast	Brazil	Montreal	RECIFE	NLR		
Canada East Coast	Argentina	Quebec	BUENOS AIRES	NLR	6474	DIRECT

MILEAGES

Origin	Destination	Port Origin	Port Destination	MILEAGES P CANAL (NLR=NOT ROUTE)	OTHER LOGICAL	Other Route
Canada East Coast	W. South America NEC	Montreal	GUAYQUIL	3999	NLR	
Canada East Coast	E. South America NEC	Montreal	MONTEVIDEO	NLR		
Canada East Coast	North Europe	Montreal	ROTTERDAM	NLR		
Canada East Coast	Mediterranean Europe	Montreal	NAPOLI	NLR		
Canada East Coast	North Africa/East Med	Montreal	PORT SAID	NLR		
Canada East Coast	Saudi Arabia	Montreal	JIDDAH	NLR		
Canada East Coast	Other Middle East	Montreal	KUWAIT	NLR		
Canada East Coast	South Asia	Montreal	CALCUTTA	15501	9889	SUEZ
Canada East Coast	Thailand	Quebec	BANGKOK	13635	10799	SUEZ
Canada East Coast	Southeast Asia NEC	Montreal	MANILA	12750	11544	SUEZ
Canada East Coast	Singapore	Quebec	SINGAPORE	13546	9968	SUEZ
Canada East Coast	Other Far East Asia	Montreal	SHANGHAI	11947	12527	SUEZ
Canada East Coast	Japan	Quebec	YOKOHAMA	10738	12860	SUEZ
Canada East Coast	Australia East Coast	Quebec	PORT KEMBLA	10679	13495	CAPE HOPE
Canada East Coast	Australia West Caost	Quebec	PORT HEDLAND	13163	12247	CAPE HOPE
Canada East Coast	Other Oceania	Montreal	WELLINGTON	9802	14400	SUEZ
Canada East Coast	West Africa	Montreal	LAGOS	NLR		
Canada East Coast	East Africa	Quebec	DAR ES SALAAM	12784	11119	DIRECT
Canada East Coast	South Africa	Quebec	DURBAN	11215	11945	DIRECT
Canada West Coast	U.S. East Coast	Vancouver	NEW YORK	6037	NLR	
Canada West Coast	U.S. Gulf Coast	Vancouver	NEW ORLEANS	5468	NLR	
Canada West Coast	U.S. West Coast	Vancouver	SAN FRANCISCO	NLR		
Canada West Coast	Mexico East Coast	Vancouver	TAMPICO	5538	NLR	
Canada West Coast	Mexico West Coast	Vancouver	SALINA CRUZ	NLR		
Canada West Coast	Carib./Cent. America EC	Vancouver	KINGSTON	4633	NLR	
Canada West Coast	Carib./Cent. America WC	Vancouver	BALBOA	4021	NLR	
Canada West Coast	Colombia East Coast	Vancouver	CARTAGENA	4364	NLR	
Canada West Coast	Colombia West Coast	Vancouver	BUENAVENTURA	NLR		
Canada West Coast	Venezuela	Vancouver	PUERTO CABELLO	4885	NLR	
Canada West Coast	Chile	Vancouver	VALPARAISO	NLR		
Canada West Coast	Brazil	Vancouver	RECIFE	7299	11690	CAPE HORN
Canada West Coast	Argentina	Vancouver	BUENOS AIRES	9524	8348	CAPE HORN
Canada West Coast	W. South America NEC	Vancouver	GUAYAQUIL	NLR	4337	DIRECT
Canada West Coast	E. South America NEC	Vancouver	MONTEVIDEO	9313	9199	CAPE HORN
Canada West Coast	North Europe	Vancouver	ROTTERDAM	8822	15345	SUEZ
Canada West Coast	Mediterranean Europe	Vancouver	GENOA	9193	13424	SUEZ
Canada West Coast	North Africa/East Med	Vancouver	TRIPOLI	10364	12357	SUEZ
Canada West Coast	Saudi Arabia	Vancouver	JIDDAH	10982	11399	DIRECT
Canada West Coast	Other Middle East	Vancouver	KUWAIT	12199	11034	DIRECT
Canada West Coast	South Asia	Vancouver	CALCUTTA	12806	8756	DIRECT
Canada West Coast	Thailand	Vancouver	BANGKOK	16138	7871	DIRECT
Canada West Coast	Southeast Asia NEC	Vancouver	MANILA	15173	5976	DIRECT
Canada West Coast	Singapore	Vancouver	SINGAPORE	14453	7105	DIRECT
Canada West Coast	Other Far East Asia	Vancouver	HONG KONG	15712	5760	DIRECT
Canada West Coast	Japan	Vancouver	TOKYO	18324	4280	DIRECT
Canada West Coast	Australia East Coast	Vancouver	SYDNEY	17434	6820	DIRECT
Canada West Coast	Australia West Caost	Vancouver	FREMANTLE	15481	8902	DIRECT
Canada West Coast	Other Oceania	Vancouver	WELLINGTON	17555	6465	DIRECT
Canada West Coast	West Africa	Vancouver	LAGOS	9132	12404	CAPE HORN
Canada West Coast	East Africa	Vancouver	MOMBASA	14083	11058	DIRECT
Canada West Coast	South Africa	Vancouver	CAPE TOWN	10547	11975	CAPE HORN
Mexico East Coast	U.S. East Coast	Tampico	NEW YORK	NLR		
Mexico East Coast	U.S. Gulf Coast	Tampico	NEW ORLEANS	NLR		
Mexico East Coast	U.S. West Coast	Tampico	SAN FRANCISCO	4763	NLR	
Mexico East Coast	Canada East Coast	Tampico	MONTREAL	NLR		

MILEAGES

Origin	Destination	Port Origin	Port Destination	MILEAGES P CANAL (NLR=NOT LOGICAL ROUTE)	OTHER	Other Route
Mexico East Coast	Canada West Coast	Tampico	VANCOUVER	5538	NLR	
Mexico East Coast	Mexico West Coast	Tampico	SALINA CRUZ	2690	NLR	
Mexico East Coast	Carib./Cent. America WC	Tampico	BALBOA	1517	NLR	
Mexico East Coast	Colombia West Coast	Tampico	BUENAVENTURA	1871	NLR	
Mexico East Coast	W. South America NEC	Tampico	CALLAO	2862	NLR	
Mexico East Coast	Chile	Tampico	VALPARAISO	3122	NLR	
Mexico East Coast	North Europe	Tampico	ROTTERDAM	NLR		
Mexico East Coast	Mediterranean Europe	Tampico	NAPOLI	NLR		
Mexico East Coast	Saudi Arabia	Tampico	JIDDAH	NLR	6785	DIRECT
Mexico East Coast	Thailand	Tampico	BANGKOK	12057	12613	SUEZ
Mexico East Coast	Singapore	Tampico	SINGAPORE	11487	10281	SUEZ
Mexico East Coast	South Asia	Tampico	CALCUTTA	13724	11497	SUEZ
Mexico East Coast	Japan	Tampico	YOKOHAMA	9160	14676	SUEZ
Mexico East Coast	Australia East Coast	Tampico	SYDNEY	9202	14396	CAPE HOPE
Mexico East Coast	Australia West Coast	Tampico	FREMANTLE	10963	12443	CAPE HOPE
Mexico East Coast	Other Oceania	Tampico	WELLINGTON	8033	14517	CAPE HOPE
Mexico East Coast	West Africa	Tampico	LAGOS	NLR	6057	DIRECT
Mexico East Coast	East Africa	Tampico	MOMBASA	NLR	9804	DIRECT
Mexico East Coast	South Africa	Tampico	CAPE TOWN	NLR	7492	DIRECT
Mexico West Coast	U.S. East Coast	Salina Cruz	NEW YORK	3189	NLR	
Mexico West Coast	U.S. Gulf Coast	Salina Cruz	NEW ORLEANS	2620	NLR	
Mexico West Coast	U.S. West Coast	Salina Cruz	SAN FRANCISCO	NLR		
Mexico West Coast	Canada East Coast	Salina Cruz	MONTREAL	4458		
Mexico West Coast	Canada West Coast	Salina Cruz	VANCOUVER	NLR		
Mexico West Coast	Mexico East Coast	Salina Cruz	TAMPICO	2690	NLR	
Mexico West Coast	Carib./Cent. America EC	Salina Cruz	KINGSTON	1756	NLR	
Mexico West Coast	Colombia East Coast	Salina Cruz	CARTAGENA	1488	NLR	
Mexico West Coast	Venezuela	Salina Cruz	LA GUAIRA	2048	NLR	
Mexico West Coast	Brazil	Salina Cruz	RECIFE	4421	NLR	
Mexico West Coast	E. South America NEC	Salina Cruz	MONTEVIDEO	6443	6927	CAPE HORN
Mexico West Coast	North Europe	Salina Cruz	ROTTERDAM	6000	12289	CAPE HORN
Mexico West Coast	Mediterranean Europe	Salina Cruz	NAPOLI	6522	13093	CAPE HORN
Mexico West Coast	Saudi Arabia	Salina Cruz	JIDDAH	8101	13040	CAPE HORN
Mexico West Coast	South Asia	Salina Cruz	CALCUTTA	12167	11097	DIRECT
Mexico West Coast	Singapore	Salina Cruz	SINGAPORE	12490	9362	DIRECT
Mexico West Coast	Hong Kong	Salina Cruz	HONG KONG	13958	8019	DIRECT
Mexico West Coast	West Africa	Salina Cruz	LAGOS	6350	10263	CAPE HORN
Mexico West Coast	East Africa	Salina Cruz	MOMBASA	9276	11942	CAPE HORN
Mexico West Coast	South Africa	Salina Cruz	CAPE TOWN	7638	9834	CAPE HORN
Mexico West Coast	Japan	Salina Cruz	TOKYO	15476	6527	DIRECT
Mexico West Coast	Australia East Coast	Salina Cruz	SYDNEY	14586	8948	DIRECT
Mexico West Coast	Australia West Coast	Salina Cruz	FREMANTLE	12633	8948	DIRECT
Mexico West Coast	Other Oceania	Salina Cruz	WELLINGTON	14707	6023	DIRECT
Carib./Cent. America EC	U.S. East Coast	Kingston	NEW YORK	NLR		
Carib./Cent. America EC	U.S. Gulf Coast	Kingston	NEW ORLEANS	NLR		
Carib./Cent. America EC	U.S. West Coast	Kingston	SAN FRANCISCO	3873	NLR	
Carib./Cent. America EC	Canada East Coast	Kingston	MONTREAL	NLR		
Carib./Cent. America EC	Canada West Coast	Kingston	VANCOUVER	4633	NLR	
Carib./Cent. America EC	Carib./Cent. America WC	Kingston	BALBOA	589	NLR	
Carib./Cent. America EC	Mexico West Coast	Kingston	SALINA CRUZ	1756	NLR	
Carib./Cent. America EC	Colombia West Coast	Kingston	BUENAVENTURA	943	NLR	
Carib./Cent. America EC	W. South America NEC	Kingston	CALLAO	1944	NLR	
Carib./Cent. America EC	Chile	Kingston	VALPARAISO	3194	8024	CAPE HORN
Carib./Cent. America EC	North Europe	Kingston	ROTTERDAM	NLR		
Carib./Cent. America EC	Mediterranean Europe	Kingston	NAPOLI	NLR		

APPENDIX B

Origin	Destination	Port Origin	Port Destination	MILEAGES P CANAL (NLR=NOT ROUTE)	OTHER LOGICAL	Other Route
Carib./Cent. America EC	Saudi Arabia	Kingston	JIDDAH	NLR	6537	DIRECT
Carib./Cent. America EC	South Asia	Kingston	CALCUTTA	12195	10561	SUEZ
Carib./Cent. America EC	Singapore	Kingston	SINGAPORE	11157	10886	SUEZ
Carib./Cent. America EC	Hong Kong	Kingston	HONG KONG	9789	12343	SUEZ
Carib./Cent. America EC	Japan	Kingston	YOKOHAMA	8679	13173	SUEZ
Carib./Cent. America EC	Australia East Coast	Kingston	SYDNEY	8268	13182	CAPE HOPE
Carib./Cent. America EC	Australia West Coast	Kingston	FREMANTLE	10029	11229	CAPE HOPE
Carib./Cent. America EC	Other Oceania	Kingston	WELLINGTON	7099	13303	CAPE HOPE
Carib./Cent. America EC	West Africa	Kingston	LAGOS	NLR	4800	DIRECT
Carib./Cent. America EC	East Africa	Kingston	MOMBASA	NLR	8722	DIRECT
Carib./Cent. America EC	South Africa	Kingston	CAPE TOWN	NLR	6278	DIRECT
Carib./Cent. America WC	U.S. East Coast	Balboa	NEW YORK	2110	NLR	
Carib./Cent. America WC	U.S. Gulf Coast	Balboa	NEW ORLEANS	1447	NLR	
Carib./Cent. America WC	U.S. West Coast	Balboa	SAN FRANCISCO	NLR		
Carib./Cent. America WC	Canada East Coast	Balboa	MONTREAL	3162	NLR	
Carib./Cent. America WC	Canada West Coast	Balboa	VANCOUVER	NLR		
Carib./Cent. America WC	Carib./Cent. America EC	Balboa	KINGSTON	589	NLR	
Carib./Cent. America WC	Colombia East Coast	Balboa	CARTAGENA	319	NLR	
Carib./Cent. America WC	Venezuela	Balboa	LA GUAIRA	879	NLR	
Carib./Cent. America WC	Brazil	Balboa	RECIFE	3117	NLR	
Carib./Cent. America WC	E. South America NEC	Balboa	MONTEVIDEO	5274	5758	CAPE HORN
Carib./Cent. America WC	North Europe	Balboa	ROTTERDAM	4840	11760	CAPE HORN
Carib./Cent. America WC	Mediterranean Europe	Balboa	NAPOLI	5353	NLR	
Carib./Cent. America WC	Saudi Arabia	Balboa	JIDDAH	6975	NLR	
Carib./Cent. America WC	South Asia	Balboa	CALCUTTA	10978	10568	DIRECT
Carib./Cent. America WC	Singapore	Balboa	SINGAPORE	11317	10568	DIRECT
Carib./Cent. America WC	Hong kong	Balboa	HONG KONG	12785	9194	DIRECT
Carib./Cent. America WC	Japan	Balboa	TOKYO	14303	7694	DIRECT
Carib./Cent. America WC	Australia East Coast	Balboa	SYDNEY	13413	7680	DIRECT
Carib./Cent. America WC	Australia West Coast	Balboa	FREMANTLE	11460	9434	DIRECT-
Carib./Cent. America WC	Other Oceania	Balboa	WELLINGTON	13534	6490	DIRECT
Carib./Cent. America WC	West Africa	Balboa	MONROVIA	4086	NLR	
Carib./Cent. America WC	East Africa	Balboa	MOMBASA	9085	8996	SUEZ
Carib./Cent. America WC	South Africa	Balboa	CAPE TOWN	6509	8665	CAPE HORN
Colombia East Coast	U.S. East Coast	Balboa	NEW YORK	NLR		
Colombia East Coast	U.S. Gulf Coast	Cartagena	NEW ORLEANS	NLR		
Colombia East Coast	U.S. West Coast	Cartagena	SAN FRANCISCO	3564	NLR	
Colombia East Coast	Canada East Coast	Cartagena	MONTREAL	NLR		
Colombia East Coast	Canada West Coast	Cartagena	VANCOUVER	4364	NLR	
Colombia East Coast	Colombia West Coast	Cartagena	BUENAVENTURA	673	NLR	
Colombia East Coast	Mexico West-Coast	Cartagena	SALINA CRUZ	1523	NLR	
Colombia East Coast	Carib./Cent. America WC	Cartagena	BALBOA	354	NLR	
Colombia East Coast	W. South America NEC	Cartagena	CALLAO	1699	NLR	
Colombia East Coast	Chile	Cartagena	VALPARAISO	2959	NLR	
Colombia East Coast	North Europe	Cartagena	ROTTERDAM	NLR		
Colombia East Coast	Mediterranean Europe	Cartagena	NAPOLI	NLR		
Colombia East Coast	Saudi Arabia	Cartagena	JIDDAH	NLR	6625	DIRECT
Colombia East Coast	South Asia	Cartagena	CALCUTTA	12561	10640	SUEZ
Colombia East Coast	Singapore	Cartagena	SINGAPORE	10922	10963	SUEZ
Colombia East Coast	Hong Kong	Cartagena	HONG KONG	8902	12431	SUEZ
Colombia East Coast	Japan	Puerto Bolivar	YOKOHAMA	8401	13834	SUEZ
Colombia East Coast	Australia East Coast	Cartagena	SYDNEY	8574	13099	CAPE HOPE
Colombia East Coast	Australia West Coast	Cartagena	FREMANTLE	10436	11141	CAPE HOPE
Colombia East Coast	Other Oceania	Cartagena	WELLINGTON	7511	13215	CAPE HOPE
Colombia East Coast	West Africa	Cartagena	MONROVIA	NLR	3732	DIRECT

MILEAGES

Origin	Destination	Port Origin	Port Destination	MILEAGES P CANAL (NLR=NOT ROUTE)	OTHER LOGICAL	Other Route
Colombia East Coast	East Africa	Cartagena	MOMBASA	8642	14910	DIRECT
Colombia East Coast	South Africa	Cartagena	CAPE TOWN	6509	15862	DIRECT
Colombia West Coast	U.S. East Coast	Buenaventura	NEW YORK	2373	NLR	
Colombia West Coast	U.S. Gulf Coast	Buenaventura	NEW ORLEANS	1779	NLR	
Colombia West Coast	U.S. West Coast	Buenaventura	SAN FRANCISCO	NLR		
Colombia West Coast	Canada East Coast	Buenaventura	MONTREAL	3516	NLR	
Colombia West Coast	Canada West Coast	Buenaventura	VANCOUVER	NLR		
Colombia West Coast	Colombia East Coast	Buenaventura	CARTAGENA	673	NLR	
Colombia West Coast	Mexico East Coast	Buenaventura	TAMPICO	1871	NLR	
Colombia West Coast	Carib./Cent. America EC	Buenaventura	KINGSTON	943	NLR	
Colombia West Coast	Venezuela	Buenaventura	LA GUAIRA	1233	NLR	
Colombia West Coast	Brazil	Buenaventura	RECIFE	3471	6947	CAPE HORN
Colombia West Coast	E. South America NEC	Buenaventura	MONTEVIDEO	5638	5186	CAPE HORN
Colombia West Coast	Argentina	Buenaventura	BUENOS AIRES	5840	5461	CAPE HORN
Colombia West Coast	North Europe	Buenaventura	ROTTERDAM	5194	11295	CAPE HORN
Colombia West Coast	Mediterranean Europe	Buenaventura	NAPOLI	5707	11221	CAPE HORN
Colombia West Coast	Saudi Arabia	Buenaventura	JIDDAH	7333	NLR	
Colombia West Coast	South Asia	Buenaventura	CALCUTTA	11348	12561	DIRECT
Colombia West Coast	Singapore	Buenaventura	SINGAPORE	11671	10922	DIRECT
Colombia West Coast	Hong Kong	Buenaventura	HONG KONG	13139	9902	DIRECT
Colombia West Coast	Japan	Buenaventura	TOKYO	14657	8050	DIRECT
Colombia West Coast	Australia East Coast	Buenaventura	SYDNEY	13767	8609	DIRECT
Colombia West Coast	Australia West Coast	Buenaventura	FREMANTLE	11814	10471	DIRECT
Colombia West Coast	Other Oceania	Buenaventura	WELLINGTON	13888	7546	DIRECT
Colombia West Coast	West Africa	Buenaventura	LAGOS	5416	NLR	
Colombia West Coast	East Africa	Buenaventura	MOMBASA	9350	10824	CAPE HORN
Colombia West Coast	South Africa	Buenaventura	CAPE TOWN	6863	8321	CAPE HORN
Venezuela	U.S. East Coast	La Guaira	NEW YORK	NLR		
Venezuela	U.S. Gulf Coast	La Guaira	NEW ORLEANS	NLR		
Venezuela	U.S. West Coast	La Guaira	SAN FRANCISCO	4133	NLR	
Venezuela	Canada East Coast	La Guaira	MONTREAL	NLR		
Venezuela	Canada West Coast	La Guaira	VANCOUVER	4913	NLR	
Venezuela	North Europe	La Guaira	ROTTERDAM	NLR		
Venezuela	Mediterranean Europe	La Guaira	NAPOLI	NLR		
Venezuela	Japan	La Guaira	YOKOHAMA	8659	13372	SUEZ
Venezuela	Australia East Coast	La Guaira	SYDNEY	8620	12531	CAPE HOPE
Venezuela	Australia West Coast	La Guaira	FREMANTLE	10994	10461	CAPE HOPE
Venezuela	Other Oceania	La Guaira	WELLINGTON	7379	12652	CAPE HOPE
Chile	U.S. East Coast	Valparaiso	NEW YORK	4638	8346	CAPE HORN
Chile	U.S. Gulf Coast	Valparaiso	NEW ORLEANS	4038	9037	CAPE HORN
Chile	U.S. West Coast	Valparaiso	SAN FRANCIACO	NLR		
Chile	Canada East Coast	Valparaiso	MONTREAL	5913	9274	CAPE HORN
Chile	Canada West Coast	Valparaiso	VANCOUVER	NLR		
Chile	North Europe	Valparaiso	ROTTERDAM	7416	9071	CAPE HORN
Chile	Mediterranean Europe	Valparaiso	GENOA	7787	8803	CAPE HORN
Chile	Japan	Valparaiso	TOKYO	16918	9298	DIRECT
Chile	Australia East Coast	Valparaiso	SYDNEY	17215	6257	DIRECT
Chile	Australia West Coast	Valparaiso	FREMANTLE	15236	7827	DIRECT
Chile	Other Oceania	Valparaiso	WELLINGTON	18129	5036	DIRECT
Brazil	U.S. East Coast	Rio de Janeiro	NEW YORK	NLR		
Brazil	U.S. Gulf Coast	Rio de Janeiro	NEW ORLEANS	NLR	5280	DIRECT
Brazil	U.S. West Coast	RECIFE	SAN FRANCISCO	6505	9821	CAPE HORN
Brazil	Canada East Coast	RECIFE	MONTREAL	NLR		
Brazil	Canada West Coast	RECIFE	VANCOUVER	7299	10601	CAPE HORN
Brazil	North Europe	RECIFE	ROTTERDAM	NLR		

MILEAGES

Origin	Destination	Port Origin	Port Destination	MILEAGES PANAMA (NLR=NOT LOGICAL ROUTE)	MILEAGES OTHER	Other Route
Brazil	Mediterranean Europe	RECIFE	NAPOLI	NLR		
Brazil	Japan	RECIFE	TOKYO	10961	11648	CAPE HORN
Brazil	Japan	Ponta de Madeira	TOKYO	10253	12567	CAPE HORN
Brazil	Japan	Tubarao	TOKYO	11764	11524	CAPE HORN
Brazil	Japan	Sepetiba	TOKYO	12014	11592	CAPE HORN
Brazil	Australia East Coast	RECIFE	SYDNEY	11250	10222	CAPE HORN
Brazil	Australia West Coast	RECIFE	FREMANTLE	13382	8269	CAPE HOPE
Brazil	Other Oceania	RECIFE	WELLINGTON	10457	7891	CAPE HOPE
Argentina	U.S. East Coast	Buenos Aires	NEW YORK	NLR	5841	DIRECT
Argentina	U.S. Gulf Coast	Buenos Aires	NEW ORLEANS	NLR	6201	DIRECT
Argentina	U.S. West Coast	Buenos Aires	SAN FRANCISCO	8778	8633	CAPE HORN
Argentina	Canada East Coast	Buenos Aires	MONTREAL	8577	6474	DIRECT
Argentina	Canada West Coast	Buenos Aires	VANCOUVER	9553	9433	CAPE HORN
Argentina	North Europe	Buenos Aires	ROTTERDAM	NLR	6341	DIRECT
Argentina	Mediterranean Europe	Buenos Aires	NAPOLI	NLR	6271	DIRECT
Argentina	Japan	Buenos Aires	TOKYO	13228	12033	CAPE HORN
Argentina	Australia East Coast	Buenos Aires	SYDNEY	13215	7262	CAPE HORN
Argentina	Australia West Coast	Buenos Aires	FREMANTLE	14969	8509	CAPE HOPE
Argentina	Other Oceania	Buenos Aires	WELLINGTON	12025	6006	DIRECT
W. South America NEC	U.S. East Coast	Callao	NEW YORK	3367	NLR	
W. South America NEC	U.S. Gulf Coast	Callao	NEW ORLEANS	2767	NLR	
W. South America NEC	U.S. West Coast	Callao	SAN FRANCISCO	NLR		
W. South America NEC	Canada East Coast	Callao	MONTREAL	4643	NLR	
W. South America NEC	Canada West Coast	Callao	VANCOUVER	NLR		
W. South America NEC	North Europe	Callao	ROTTERDAM	6177	10388	CAPE HORN
W. South America NEC	Mediterranean Europe	Callao	NAPOLI	6698	10314	CAPE HORN
W. South America NEC	Japan	Callao	TOKYO	15649	8576	DIRECT
W. South America NEC	Australia East Coast	Callao	SYDNEY	14759	7000	DIRECT
W. South America NEC	Australia West Coast	Callao	FREMANTLE	12806	8681	DIRECT
W. South America NEC	Other Oceania	Callao	WELLINGTON	14880	5721	DIRECT
E. South America NEC	U.S. East Coast	Montevideo	NEW YORK	NLR		
E. South America NEC	U.S. Gulf Coast	Montevideo	NEW ORLEANS	NLR		
E. South America NEC	U.S. West Coast	Montevideo	SAN FRANCISCO	8119	NLR	
E. South America NEC	Canada East Coast	Montevideo	MONTREAL	NLR		
E. South America NEC	Canada West Coast	Montevideo	VANCOUVER	9313	9199	CAPE HORN
E. South America NEC	North Europe	Montevideo	ROTTERDAM	NLR		
E. South America NEC	Mediterranean Europe	Montevideo	NAPOLI	NLR		
E. South America NEC	Japan	Montevideo	TOKYO	13923	12451	CAPE HORN
E. South America NEC	Australia East Coast	Montevideo	SYDNEY	12954	9410	CAPE HORN
E. South America NEC	Australia West Coast	Montevideo	FREMANTLE	14708	10980	CAPE HORN
E. South America NEC	Other Oceania	Montevideo	WELLINGTON	11764	8189	CAPE HORN
North Europe	U.S. East Coast	Rotterdam	NEW YORK	NLR	3615	DIRECT
North Europe	U.S. Gulf Coast	Rotterdam	NEW ORLEANS	NLR		
North Europe	U.S. West Coast	Rotterdam	SAN FRANCISCO	8082	NLR	
North Europe	Canada East Coast	Rotterdam	MONTREAL	NLR		
North Europe	Canada West Coast	Rotterdam	VANCOUVER	8882	NLR	
North Europe	Mexico East Coast	Rotterdam	TAMPICO	NLR		
North Europe	Mexico West Coast	Rotterdam	SALINA CRUZ	6000	NLR	
North Europe	Carib./Cent. America EC	Rotterdam	KINGSTON	NLR		
North Europe	Carib./Cent. America WC	Rotterdam	BALBOA	4840	NLR	M
North Europe	Colombia East Coast	Rotterdam	CARTAGENA	NLR		
North Europe	Colombia West Coast	Rotterdam	BUENAVENTURA	5191	NLR	M
North Europe	Venezuela	Rotterdam	LA GUAIRA	NLR		
North Europe	Chile	Rotterdam	VALPARAISO	7442	9145	CAPE HORN
North Europe	Brazil	Rotterdam	RECIFE	NLR	5430	DIRECT

MILEAGES

Origin	Destination	Port Origin	Port Destination	MILEAGES P CANAL (NLR=NOT ROUTE)	OTHER LOGICAL	Other Route
North Europe	Argentina	Rotterdam	BUENOS AIRES	NLR		
North Europe	W. South America NEC	Rotterdam	CALLAO	6186	10388	CAPE HORN
North Europe	E. South America NEC	Rotterdam	MONTEVIDEO	NLR		
North Europe	North Africa/East Med	Rotterdam	PORT SAID	NLR	3160	DIRECT
North Europe	Saudi Arabia	Rotterdam	JIDDAH	NLR		
North Europe	Other Middle East	Rotterdam	KUWAIT	NLR		
North Europe	South Asia	Rotterdam	CALCUTTA	17024	7955	SUEZ
North Europe	Thailand	Rotterdam	BANGKOK	16185	9110	SUEZ
North Europe	Southeast Asia NEC	Rotterdam	MANILA	14273	9735	SUEZ
North Europe	Singapore	Rotterdam	SINGAPORE	16385	8310	SUEZ
North Europe	Other Far East Asia	Rotterdam	HONG KONG	14365	9745	SUEZ
North Europe	Japan	Rotterdam	TOKYO	21920	11200	SUEZ
North Europe	Australia East Coast	Rotterdam	SYDNEY	13920	11571	SUEZ
North Europe	Australia West Coast	Rotterdam	FREMANTLE	15984	9590	SUEZ
North Europe	Other Oceania	Rotterdam	WELLINGTON	11340	12476	SUEZ
North Europe	West Africa	Rotterdam	LAGOS	NLR		
North Europe	East Africa	Rotterdam	MOMBASA	NLR		
North Europe	South Africa	Rotterdam	CAPE TOWN	NLR		
Mediterranean Europe	U.S. East Coast	Napoli	NEW YORK	NLR		
Mediterranean Europe	U.S. Gulf Coast	Napoli	NEW ORLEANS	NLR		
Mediterranean Europe	U.S. West Coast	Napoli	SAN FRANCISCO	8598	14904	CAPE HORN
Mediterranean Europe	Canada East Coast	Napoli	MONTREAL	NLR		
Mediterranean Europe	Canada West Coast	Napoli	VANCOUVER	9398	15704	CAPE HORN
Mediterranean Europe	Mexico East Coast	Napoli	TAMPICO	NLR		
Mediterranean Europe	Mexico West Coast	Napoli	SALINA CRUZ	6522	12187	CAPE HORN
Mediterranean Europe	Carib./Cent. America EC	Napoli	KINGSTON	NLR		
Mediterranean Europe	Carib./Cent. America WC	Napoli	BALBOA	5353	11686	CAPE HORN
Mediterranean Europe	Colombia East Coast	Napoli	CARTAGENA	NLR		
Mediterranean Europe	Colombia West Coast	Napoli	BUENAVENTURA	5707	11305	CAPE HORN
Mediterranean Europe	Venezuela	Napoli	LA GUAIRA	NLR		
Mediterranean Europe	Chile	Napoli	VAPARAISO	7958	9299	CAPE HORN
Mediterranean Europe	Brazil	Napoli	RECIFE	NLR		
Mediterranean Europe	Argentina	Napoli	BUENOS AIRES	NLR		
Mediterranean Europe	W. South America NEC	Napoli	CALLAO	6698	8314	CAPE HORN
Mediterranean Europe	E. South America NEC	Napoli	MONTEVIDEO	NLR		
Mediterranean Europe	North Africa/East Med	Napoli	NAPOLI	NLR		
Mediterranean Europe	Saudi Arabia	Napoli	JIDDAH	NLR		
Mediterranean Europe	Other Middle East	Napoli	KUWAIT	NLR		
Mediterranean Europe	South Asia	Napoli	CALCUTTA	17580	5980	SUEZ
Mediterranean Europe	Thailand	Napoli	BANGKOK	16741	5021	SUEZ
Mediterranean Europe	Southeast Asia NEC	Napoli	MANILA	14829	7647	SUEZ
Mediterranean Europe	Singapore	Napoli	SINGAPORE	15940	5221	SUEZ
Mediterranean Europe	Other Far East Asia	Napoli	SHANGHAI	14401	8827	SUEZ
Mediterranean Europe	Japan	Napoli	TOKYO	13476	9289	SUEZ
Mediterranean Europe	Australia East Coast	Napoli	SYDNEY	14476	9586	SUEZ
Mediterranean Europe	Australia West Coast	Napoli	FREMANTLE	16540	7607	SUEZ
Mediterranean Europe	Other Oceania	Napoli	WELLINGTON	14174	10500	SUEZ
Mediterranean Europe	West Africa	Napoli	LAGOS	NLR		
Mediterranean Europe	East Africa	Napoli	MOMBASA	NLR		
Mediterranean Europe	South Africa	Napoli	CAPE TOWN	NLR		
North Africa/East Med	U.S. East Coast	Port Said	NEW YORK	NLR		
North Africa/East Med	U.S. Gulf Coast	Port Said	NEW ORLEANS	NLR		
North Africa/East Med	U.S. West Coast	Port Said	SAN FRANCISCO	9529	NLR	
North Africa/East Med	Canada East Coast	Port Said	MONTREAL	NLR		
North Africa/East Med	Canada West Coast	Port Said	VANCOUVER	10323	NLR	M

MILEAGES

Origin	Destination	Port Origin	Port Destination	MILEAGES P CANAL (NLR=NOT ROUTE)	OTHER LOGICAL	Other Route
North Africa/East Med	North Europe	Port Said	ROTTERDAM	NLR		
North Africa/East Med	Mediterranean Europe	Port Said	NAPOLI	NLR		
North Africa/East Med	Japan	Port Said	TOKYO	14394	8012	SUEZ
North Africa/East Med	Australia East Coast	Port Said	SYDNEY	15394	8309	SUEZ
North Africa/East Med	Australia West Coast	Port Said	FREMANTLE	17458	6330	SUEZ
North Africa/East Med	Other Oceania	Port Said	WELLINGTON	15092	9223	SUEZ
Saudi Arabia	U.S. East Coast	JIDDAH	NEW YORK	NLR		
Saudi Arabia	U.S. Gulf Coast	JIDDAH	NEW ORLEANS	NLR		
Saudi Arabia	U.S. West Coast	JIDDAH	SAN FRANCISCO	10207	11677	DIRECT
Saudi Arabia	Canada East Coast	JIDDAH	MONTREAL	NLR		
Saudi Arabia	Canada West Coast	JIDDAH	VANCOUVER	10982	11399	DIRECT
Saudi Arabia	North Europe	JIDDAH	ROTTERDAM	NLR		
Saudi Arabia	Mediterranean Europe	JIDDAH	NAPOLI	NLR		
Saudi Arabia	Japan	JIDDAH	TOKYO	14742	7324	DIRECT
Saudi Arabia	Australia East Coast	JIDDAH	SYDNEY	16667	7616	DIRECT
Saudi Arabia	Australia West Coast	JIDDAH	FREMANTLE	18731	5622	DIRECT
Saudi Arabia	Other Oceania	JIDDAH	WELLINGTON	16112	9392	DIRECT
Other Middle East	U.S. East Coast	KUWAIT	NEW YORK	NLR		
Other Middle East	U.S. Gulf Coast	KUWAIT	NEW ORLEANS	NLR		
Other Middle East	U.S. West Coast	KUWAIT	SAN FRANCISCO	12831	11240	DIRECT
Other Middle East	Canada East Coast	KUWAIT	MONTREAL	NLR		
Other Middle East	Canada West Coast	KUWAIT	VANCOUVER	13635	11215	DIRECT
Other Middle East	North Europe	KUWAIT	ROTTERDAM	NLR		
Other Middle East	Mediterranean Europe	KUWAIT	NAPOLI	NLR		
Other Middle East	Japan	KUWAIT	TOKYO	17376	6733	DIRECT
Other Middle East	Australia East Coast	KUWAIT	SYDNEY	19301	7557	DIRECT
Other Middle East	Australia West Coast	KUWAIT	FREMANTLE	21365	5502	DIRECT
Other Middle East	Other Oceania	KUWAIT	WELLINGTON	18746	8462	DIRECT
South Asia	U.S. East Coast	Calcutta	NEW YORK	14781	9794	SUEZ
South Asia	U.S. Gulf Coast	Calcutta	NEW ORLEANS	13684	9844	SUEZ
South Asia	U.S. West Coast	Calcutta	SAN FRANCISCO	15129	9046	DIRECT
South Asia	Canada East Coast	Calcutta	MONTREAL	15501	9889	SUEZ
South Asia	Canada West Coast	Calcutta	VANCOUVER	12806	8756	DIRECT
South Asia	Saudi Arabia	Calcutta	JIDDAH	NLR	4003	DIRECT
South Asia	North Europe	Calcutta	ROTTERDAM	17024	7955	SUEZ
South Asia	Mediterranean Europe	Calcutta	NAPOLI	17580	5980	SUEZ
South Asia	Japan	Calcutta	YOKOHAMA	NLR	4538	DIRECT
South Asia	Australia East Coast	Calcutta	SYDNEY	NLR	5754	DIRECT
South Asia	Australia West Coast	Calcutta	FREMANTLE	NLR	3685	DIRECT
South Asia	Other Oceania	Calcutta	WELLINGTON	NLR	6659	DIRECT
South Asia	West Africa	Calcutta	LAGOS	NLR	7929	CAPE HOPE
South Asia	East Africa	Calcutta	MOMBASA	NLR	3699	DIRECT
South Asia	South Africa	Calcutta	CAPE TOWN	NLR	5374	DIRECT
Thailand	U.S. East Coast	Bangkok	NEW YORK	13305	10917	SUEZ
Thailand	U.S. Gulf Coast	Bangkok	NEW ORLEANS	12815	12314	SUEZ
Thailand	U.S. West Coast	Bangkok	SAN FRANCISCO	NLR	8150	DIRECT
Thailand	Canada East Coast	Bangkok	MONTREAL	14622	11014	SUEZ
Thailand	Canada West Coast	Bangkok	VANCOUVER	NLR	7871	DIRECT
Thailand	North Europe	Bangkok	ROTTERDAM	16208	9110	SUEZ
Thailand	Mediterranean Europe	Bangkok	NAPOLI	NLR	7103	SUEZ
Thailand	Japan	Bangkok	TOKYO	NLR	3688	DIRECT
Thailand	Australia East Coast	Bangkok	SYDNEY	NLR		
Thailand	Australia West Coast	Bangkok	FREMANTLE	NLR		
Thailand	Other Oceania	Bangkok	WELLINGTON	NLR		
Southeast Asia NEC	U.S. East Coast	Manila	NEW YORK	11374	11502	SUEZ

MILEAGES

Origin	Destination	Port Origin	Port Destination	MILEAGES P CANAL (NLR=NOT LOGICAL ROUTE)	OTHER	Other Route
Southeast Asia NEC	U.S. Gulf Coast	Manila	NEW ORLEANS	10780	13990	CAPE HOPE
Southeast Asia NEC	U.S. West Coast	Manila	SAN FRANCISCO	16455	6220	DIRECT
Southeast Asia NEC	Canada East Coast	Manila	MONTREAL	12750	11544	SUEZ
Southeast Asia NEC	Canada West Coast	Manila	VANCOUVER	17330	6075	DIRECT
Southeast Asia NEC	North Europe	Manila	ROTTERDAM	14296	9632	SUEZ
Southeast Asia NEC	Mediterranean Europe	Manila	NAPOLI	14829	7465	DIRECT
Southeast Asia NEC	Japan	Manila	YOKOHAMA	NLR		
Southeast Asia NEC	Australia East Coast	Manila	BRISBANE	NLR	3550	DIRECT
Southeast Asia NEC	Australia West Coast	Manila	ALBANY	NLR	3281	DIRECT
Southeast Asia NEC	Other Oceania	Manila	WELLINGTON	NLR	4875	DIRECT
Singapore	U.S. East Coast	Singapore	NEW YORK	12614	10619	SUEZ
Singapore	U.S. Gulf Coast	Singapore	NEW ORLEANS	11898	11497	SUEZ
Singapore	U.S. West Coast	Singapore	SAN FRANCISCO	14563	7350	DIRECT
Singapore	Canada East Coast	Singapore	MONTREAL	13666	10214	SUEZ
Singapore	Canada West Coast	Singapore	VANCOUVER	15338	7150	DIRECT
Singapore	Saudi Arabia	Singapore	JIDDAH	NLR	4338	DIRECT
Singapore	North Europe	Singapore	ROTTERDAM	15296	8354	SUEZ
Singapore	Mediterranean Europe	Singapore	GENOA	13667	6433	SUEZ
Singapore	Japan	Singapore	TOKYO	NLR	2888	DIRECT
Singapore	Australia East Coast	Singapore	BRISBANE	NLR	3825	DIRECT
Singapore	Australia West Coast	Singapore	ALBANY	NLR	1636	DIRECT
Singapore	West Africa	Singapore	LAGOS	NLR	8205	CAPE HOPE
Singapore	East Africa	Singapore	MOMBASA	NLR	3990	DIRECT
Singapore	South Africa	Singapore	CAPE TOWN	NLR	5650	DIRECT
Singapore	Other Oceania	Singapore	WELLINGTON	NLR	5145	DIRECT
Other Far East Asia	U.S. East Coast	Hong Kong	NEW YORK	11215	11626	SUEZ
Other Far East Asia	U.S. Gulf Coast	Hong Kong	NEW ORLEANS	10630	12971	SUEZ
Other Far East Asia	U.S. West Coast	Hong Kong	SAN FRANCISCO	16031	6520	DIRECT
Other Far East Asia	Canada East Coast	Hong Kong	MONTREAL	12356	11570	SUEZ
Other Far East Asia	Canada West Coast	Hong Kong	VANCOUVER	16783	5850	DIRECT
Other Far East Asia	Saudi Arabia	Hong Kong	JIDDAH	NLR	5806	DIRECT
Other Far East Asia	North Europe	Hong Kong	LONDON	13964	9674	SUEZ
Other Far East Asia	Mediterranean Europe	Hong Kong	NAPOLI	14549	7771	SUEZ
Other Far East Asia	Japan	Hong Kong	TOKYO	NLR	1585	DIRECT
Other Far East Asia	Australia East Coast	Hong Kong	BRISBANE	NLR	4080	DIRECT
Other Far East Asia	Australia West Coast	Hong Kong	ALBANY	NLR	3783	DIRECT
Other Far East Asia	Other Oceania	Hong Kong	WELLINGTON	NLR	5405	DIRECT
Other Far East Asia	West Africa	Hong Kong	LAGOS	NLR	9464	CAPE HOPE
Other Far East Asia	East Africa	Hong Kong	MOMBASA	NLR	5441	DIRECT
Other Far East Asia	South Africa	Hong Kong	CAPE TOWN	NLR	6909	DIRECT
Japan	U.S. East Coast	Yokohama	NEW YORK	9659	13025	SUEZ
Japan	U.S. Gulf Coast	Yokohama	NEW ORLEANS	9090	15777	CAPE HOPE
Japan	U.S. West Coast	Tokyo	SAN FRANCISCO	18097	4535	
Japan	Canada East Coast	Yokohama	QUEBEC	10738	12860	SUEZ
Japan	Canada West Coast	Tokyo	VANCOUVER	18324	4280	DIRECT
Japan	Mexico East Coast	Yokohama	TAMPICO	9160	14676	SUEZ
Japan	Mexico West Coast	Tokyo	SALINA CRUZ	15476	6527	DIRECT
Japan	Carib./Cent. America EC	Yokohama	KINGSTON	8679	13173	SUEZ
Japan	Carib./Cent. America WC	Tokyo	BALBOA	14303	7694	DIRECT
Japan	Colombia East Coast	Yokohama	PUERTO BOLIVAR	8401	13834	SUEZ
Japan	Colombia West Coast	Tokyo	BUENAVENTURA	14657	8050	DIRECT
Japan	Venezuela	Yokohama	LA GUAIRA	8659	13372	SUEZ
Japan	Chile	Tokyo	VALPARAISO	16918	9298	DIRECT
Japan	Brazil	Tokyo	RECIFE	10961	11648	CAPE HORN
Japan	Brazil	Tokyo	Ponta de Madeira	10253	12567	CAPE HORN

Origin	Destination	Port Origin	Port Destination	MILEAGES P. CANAL (NLR=NOT LOGICAL ROUTE)	OTHER	Other Route
Japan	Brazil	Tokyo	Tubarao	11764	11524	CAPE HORN
Japan	Brazil	Tokyo	Sepetiba	12014	11592	CAPE HORN
Japan	Argentina	Tokyo	BUENOS AIRES	13228	12033	CAPE HORN
Japan	W. South America NEC	Tokyo	CALLAO	15649	8576	DIRECT
Japan	E. South America NEC	Tokyo	MONTEVIDEO	13923	12451	CAPE HORN
Japan	North Europe	Tokyo	ROTTERDAM	12488	11246	SUEZ
Japan	Mediterranean Europe	Tokyo	GENOA	12859	9325	SUEZ
Japan	North Africa/East Med	Tokyo	PORT SAID	14394	8012	SUEZ
Japan	Saudi Arabia	Tokyo	JIDDAH	14742	7324	DIRECT
Japan	Other Middle East	Tokyo	KUWAIT	17706	5848	DIRECT
Japan	South Asia	Tokyo	CALCUTTA	NLR	4538	DIRECT
Japan	Thailand	Tokyo	BANGKOK	NLR	3680	DIRECT
Japan	Southeast Asia NEC	Tokyo	MANILA	NLR	1756	DIRECT
Japan	Singapore	Tokyo	SINGAPORE	NLR	2888	DIRECT
Japan	Other Far East Asia	Tokyo	SHANGHAI	NLR	1048	DIRECT
Japan	Australia East Coast	Tokyo	SYDNEY	NLR	4379	DIRECT
Japan	Australia West Coast	Tokyo	FREMANTLE	NLR	4460	DIRECT
Japan	Other Oceania	Tokyo	WELLINGTON	NLR	5058	DIRECT
Japan	West Africa	Tokyo	LAGOS	13127	10894	CAPE HOPE
Japan	East Africa	Tokyo	MOMBASA	17115	6899	DIRECT
Japan	South Africa	Tokyo	CAPE TOWN	14612	8338	DIRECT
Australia East Coast	U.S. East Coast	PORT KEMBLA	NEW YORK	9600	12779	CAPE HORN
Australia East Coast	U.S. Gulf Coast	PORT KEMBLA	NEW ORLEANS	9031	13161	CAPE HORN
Australia East Coast	U.S. West Coast	SYDNEY	SAN FRANCISCO	16659	6456	DIRECT
Australia East Coast	Canada East Coast	PORT KEMBLA	QUEBEC	10679	13495	CAPE HOPE
Australia East Coast	Canada West Coast	SYDNEY	VANCOUVER	17434	6820	DIRECT
Australia East Coast	Mexico East Coast	SYDNEY	TAMPICO	9202	14396	CAPE HOPE
Australia East Coast	Mexico West Coast	SYDNEY	SALINA CRUZ	14586	8948	DIRECT
Australia East Coast	Carib./Cent. America EC	SYDNEY	KINGSTON	8268	13182	CAPE HOPE
Australia East Coast	Carib./Cent. America WC	SYDNEY	BALBOA	13413	7680	DIRECT
Australia East Coast	Colombia East Coast	SYDNEY	CARTAGENA	8574	13099	CAPE HOPE
Australia East Coast	Colombia West Coast	SYDNEY	BUENAVENTURA	13767	8609	DIRECT
Australia East Coast	Venezuela	SYDNEY	LA GUAIRA	8620	12531	CAPE HOPE
Australia East Coast	Chile	SYDNEY	VALPARAISO	17215	6257	DIRECT
Australia East Coast	Brazil	PORT KEMBLA	RIO DE JAINERO	11874	8106	CAPE HORN
Australia East Coast	Argentina	Sydney	BUENOS AIRES	13215	7262	CAPE HORN
Australia East Coast	W. South America NEC	Sydney	CALLAO	14759	7000	DIRECT
Australia East Coast	E. South America NEC	Sydney	MONTEVIDEO	12954	9410	CAPE HORN
Australia East Coast	North Europe	Port Kembla	ROTTERDAM	12429	11591	SUEZ
Australia East Coast	Mediterranean Europe	Port Kembla	GENOA	12800	9670	SUEZ
Australia East Coast	North Africa/East Med	Sydney	PORT SAID	15394	8309	SUEZ
Australia East Coast	Saudi Arabia	Sydney	JIDDAH	16667	7616	DIRECT
Australia East Coast	Other Middle East	Sydney	KUWAIT	19301	7557	DIRECT
Australia East Coast	South Asia	Sydney	CALCUTTA	NLR	5754	DIRECT
Australia East Coast	Thailand	Sydney	BANGKOK	NLR		
Australia East Coast	Southeast Asia NEC	Brisbane	MANILA	NLR		
Australia East Coast	Singapore	Brisbane	SINGAPORE	NLR	3825	DIRECT
Australia East Coast	Other Far East Asia	Port Kembla	HONG KONG	NLR		
Australia East Coast	Japan	Port Kembla	TOKYO	NLR		
Australia East Coast	Other Oceania	Sydney	WELLINGTON	NLR	1235	DIRECT
Australia East Coast	West Africa	Sydney	LAGOS	14127	6904	CAPE HOPE
Australia East Coast	East Africa	Sydney	MOMBASA	13849	6459	CAPE HOPE
Australia East Coast	South Africa	Sydney	CAPE TOWN	15612	6904	DIRECT
Australia West Coast	U.S. East Coast	Port Hedland	NEW YORK	12084	11306	SUEZ
Australia West Coast	U.S. Gulf Coast	Port Hedland	NEW ORLEANS	11515	12544	CAPE HORN

MILEAGES

Origin	Destination	Port Origin	Port Destination	MILEAGES P CANAL (NLR=NOT LOGICAL ROUTE)	OTHER	Other Route
Australia West Coast	U.S. West Coast	Fremantle	SAN FRANCISCO	14706	8524	DIRECT
Australia West Coast	Canada East Coast	Port Hedland	QUEBEC	13163	12247	CAPE HOPE
Australia West Coast	Canada West Coast	Fremantle	VANCOUVER	15481	8902	DIRECT
Australia West Coast	Mexico East Coast	Fremantle	TAMPICO	10963	12443	CAPE HORN
Australia West Coast	Mexico West Coast	Fremantle	SALINA CRUZ	12633	8948	DIRECT
Australia West Coast	Carib./Cent. America EC	Fremantle	KINGSTON	10029	11229	CAPE HOPE
Australia West Coast	Carib./Cent. America WC	Fremantle	BALBOA	11460	9434	DIRECT
Australia West Coast	Colombia East Coast	Fremantle	PUERTO BOLIVAR	8401	13834	SUEZ
Australia West Coast	Colombia West Coast	Fremantle	BUENAVENTURA	11814	10471	DIRECT
Australia West Coast	Venezuela	Fremantle	LA GUAIRA	10994	10461	CAPE HOPE
Australia West Coast	Chile	Fremantle	VALPARAISO	15236	7827	DIRECT
Australia West Coast	Brazil	Port Hedland	RIO DE JAINERO	14358	10552	CAPE HORN
Australia West Coast	Argentina	Fremantle	BUENOS AIRES	14969	8509	CAPE HOPE
Australia West Coast	W. South America NEC	Fremantle	CALLAO	12806	8681	DIRECT
Australia West Coast	E. South America NEC	Fremantle	MONTEVIDEO	14708	10980	CAPE HORN
Australia West Coast	North Europe	Port Hedland	ROTTERDAM	14913	9527	SUEZ
Australia West Coast	Mediterranean Europe	Port Hedland	GENOA	15284	7606	SUEZ
Australia West Coast	North Africa/East Med	Fremantle	PORT SAID	17458	6330	SUEZ
Australia West Coast	Saudi Arabia	Fremantle	JIDDAH	18731	5622	DIRECT
Australia West Coast	Other Middle East	Fremantle	KUWAIT	21365	5502	DIRECT
Australia West Coast	South Asia	Fremantle	CALCUTTA	NLR	3685	DIRECT
Australia West Coast	Thailand	Fremantle	BANGKOK	NLR		
Australia West Coast	Southeast Asia NEC	Albany	MANILA	NLR	3000	DIRECT
Australia West Coast	Singapore	Albany	SINGAPORE	NLR	1636	DIRECT
Australia West Coast	Other Far East Asia	Albany	HONG KONG	NLR	3505	DIRECT
Australia West Coast	Japan	Fremantle	YOKOHAMA	NLR		
Australia West Coast	Other Oceania	Fremantle	WELLINGTON	NLR		
Australia West Coast	West Africa	Fremantle	LAGOS	16191	7267	CAPE HORN
Australia West Coast	East Africa	Fremantle	MOMBASA	NLR	4564	DIRECT
Australia West Coast	South Africa	Fremantle	CAPE TOWN	17676	4951	DIRECT
Other Oceania	U.S. East Coast	Wellington	NEW YORK	8525	13555	SUEZ
Other Oceania	U.S. Gulf Coast	Wellington	NEW ORLEANS	7938	15700	SUEZ
Other Oceania	U.S. West Coast	Wellington	SANTA BARBARA	16780	5900	DIRECT
Other Oceania	Canada East Coast	Wellington	MONTREAL	9802	14400	SUEZ
Other Oceania	Canada West Coast	Wellington	VICTORIA	17355	6385	DIRECT
Other Oceania	Mexico East Coast	Wellington	TAMPICO	8033	14517	CAPE HOPE
Other Oceania	Mexico West Coast	Wellington	SALINA CRUZ	14704	6023	DIRECT
Other Oceania	Carib./Cent. America EC	Wellington	KINGSTON	7099	13303	CAPE HOPE
Other Oceania	Carib./Cent. America WC	Wellington	BALBOA	13534	6490	DIRECT
Other Oceania	Colombia East Coast	Wellington	CARTAGENA	7511	13215	CAPE HORN
Other Oceania	Colombia West Coast	Wellington	BUENAVENTURA	13888	6381	DIRECT
Other Oceania	Venezuela	Wellington	LA GUAIRA	7379	12652	CAPE HORN
Other Oceania	Chile	Wellington	VALPARAISO	18129	5036	DIRECT
Other Oceania	Brazil	Wellington	RECIFE	10457	7891	CAPE HOPE
Other Oceania	Argentina	Wellington	BUENOS AIRES	12025	6006	DIRECT
Other Oceania	W. South America NEC	Wellington	CALLAO	14880	5715	DIRECT
Other Oceania	E. South America NEC	Wellington	MONTEVIDEO	11764	8189	CAPE HORN
Other Oceania	North Europe	Wellington	ROTTERDAM	11340	12476	SUEZ
Other Oceania	Mediterranean Europe	Wellington	NAPOLI	14174	10500	SUEZ
Other Oceania	North Africa/East Med	Wellington	PORT SAID	15092	9223	SUEZ
Other Oceania	Saudi Arabia	Wellington	JIDDAH	16112	9392	DIRECT
Other Oceania	Other Middle East	Wellington	KUWAIT	18746	8462	DIRECT
Other Oceania	South Asia	Wellington	CALCUTTA	NLR	6659	DIRECT
Other Oceania	Thailand	Wellington	BANGKOK	NLR		
Other Oceania	Southeast Asia NEC	Wellington	MANILA	NLR	4875	DIRECT

Origin	Destination	Port Origin	Port Destination	MILEAGES P.CANAL (NLR=NOT LOGICAL ROUTE)	OTHER	Other Route
Other Oceania	Singapore	Wellington	SINGAPORE	NLR	5145	DIRECT
Other Oceania	Other Far East Asia	Wellington	HONGKONG	NLR	5405	DIRECT
Other Oceania	Japan	Wellington	TOKYO	NLR		
Other Oceania	Australia East Coast	Wellington	BRISBANE	NLR	1446	DIRECT
Other Oceania	Australia West Coast	Wellington	ALBANY	NLR	2723	DIRECT
Other Oceania	Other Oceania	Wellington	P.MORESBY	NLR	2439	DIRECT
Other Oceania	West Africa	Wellington	LAGOS	13825	10022	CAPE HOPE
Other Oceania	East Africa	Wellington	MOMBASA	NLR	7483	DIRECT
Other Oceania	South Africa	Wellington	CAPE TOWN	15300	8105	DIRECT
West Africa	U.S. East Coast	Dakar	NEW YORK	NLR	3335	DIRECT
West Africa	U.S. Gulf Coast	Dakar	NEW ORLEANS	NLR		
West Africa	U.S. West Coast	Lagos	SAN FRANCISCO	8270	11624	Lagos
West Africa	Canada East Coast	Dakar	MONTREAL	NLR		
West Africa	Canada West Coast	LAGOS	VANCOUVER	9132	12404	CAPE HORN
West Africa	North Europe	Dakar	ROTTERDAM	NLR		
West Africa	Mediterranean Europe	Lagos	NAPOLI	NLR		
West Africa	Japan	Lagos	TOKYO	13127	10894	CAPE HOPE
West Africa	Australia East Coast	Lagos	SYDNEY	14127	6904	CAPE HOPE
West Africa	Australia West Coast	Lagos	FREMANTLE	16191	7267	CAPE HOPE
West Africa	Other Oceania	Lagos	WELLINGTON	13825	10022	CAPE HOPE
East Africa	U.S. East Coast	Mombasa	NEW YORK	NLR	8092	SUEZ
East Africa	U.S. Gulf Coast	Mombasa	NEW ORLEANS	NLR		
East Africa	U.S. West Coast	Mombasa	SAN FRANCISCO	12258	11361	DIRECT
East Africa	Canada East Coast	Mombasa	MONTREAL	NLR	8196	SUEZ
East Africa	Canada West Coast	Mombasa	VANCOUVER	13033	11096	DIRECT
East Africa	North Europe	Mombasa	ROTTERDAM	NLR	6264	DIRECT
East Africa	Mediterranean Europe	Mombasa	NAPOLI	NLR	4097	DIRECT
East Africa	Japan	Mombasa	TOKYO	17115	6899	DIRECT
East Africa	Australia East Coast	Mombasa	SYDNEY	NLR	6505	DIRECT
East Africa	Australia West Coast	Mombasa	GERALDTON	NLR	4493	DIRECT
East Africa	Other Oceania	Mombasa	WELLINGTON	NLR		
South Africa	U.S. East Coast	Cape Town	NEW YORK	NLR		
South Africa	U.S. Gulf Coast	Cape Town	NEW ORLEANS	NLR		
South Africa	U.S. West Coast	Cape Town	SAN FRANCISCO	9728	11195	CAPE HORN
South Africa	Canada East Coast	Cape Town	MONTREAL	NLR		
South Africa	Canada West Coast	Cape Town	VANCOUVER	10547	11975	CAPE HORN
South Africa	North Europe	Cape Town	ROTTERDAM	NLR		
South Africa	Mediterranean Europe	Cape Town	NAPOLI	NLR		
South Africa	Japan	Cape Town	TOKYO	14612	8338	DIRECT
South Africa	Australia East Coast	Cape Town	SYDNEY	15612	6904	DIRECT
South Africa	Australia West Coast	Cape Town	FREMANTLE	17676	4951	DIRECT
South Africa	Other Oceania	Cape Town	WELLINGTON	15310	7025	DIRECT

2.0 COMMODITY FLOW PROJECTIONS

The forecasts of commodity flows are fundamentally very straightforward, given the forecasts of potential trade flows developed in the previous section of this report. As with the potential trade, we need to divide the commodity flows into two broad categories:

- Commodities that are carried on ships whose maximum size is not expected to exceed that allowed by the present Canal:

  - Bauxite/Alumina
  - Bulk Grains
  - Fertilizers
  - Bulk Chemicals
  - Petroleum Products
  - Oils and Fats
  - Refrigerated Cargo
  - Vehicles
  - Minor Bulks
  - General Cargo

- Commodities that are carried on ships that either currently exceed the size of the Canal or are expected to, over the forecast period:

  - Iron Ore and Concentrates
  - Crude Petroleum
  - Coal and Coke
  - Containers

Several commodities in the first group do travel on larger ships, but not on Panama Canal routes. For example, petroleum products are carried on large crude carriers between the Middle East and Japan, but, on Panama Canal routes, the trades are relatively small and carried on much smaller ships.

Forecasts of commodities in the first category should be identical to forecasts of potential trade. However, as discussed in the last section, the bilateral trade data used in the potential trade analysis do not, in general, line up with the PCC data for the Panama Canal. Therefore, we use the growth rates in the potential trade rather than the actual levels.

For the remaining four commodities, much, if not most, of the trade is carried in larger ships and bypasses the Canal. On the other hand, the definition of the commodities is sufficiently explicit for the levels of potential trade to be used. The method used for these commodities is for them to be divided among ship sizes according to the pattern of forecast to be used

by shippers based current shipping patterns, the future fleet sizes available, and the economics of the various routes. This is discussed in detail in Section 5.2 of Volume 1 of this report and will not be repeated here.

Shifted trade, as defined in the TOR, namely, the difference between potential trade and status quo trade, is provided in the last part of this section.

ANNUAL CARGO FLOWS BY COMMODITY AND ROUTE
STATUS QUO CANAL

ORIGIN	DESTINATION	1990	2020	2060
IRON ORE, THOUSAND TONNES				
C. AMERICA W.C.	U.S. EAST COAST	106	195	201
S. AMERICA E.C.	ASIA	103	352	0
S. AMERICA E.C.	U.S. W.C., HAWAII	47	93	0
S. AMERICA W.C.	EUROPE	107	0	0
S. AMERICA W.C.	U.S. EAST COAST	195	660	0
U.S. EAST COAST	S. AMERICA W.C.	0	0	1
U.S. W.C., HAWAII	EUROPE	23	62	0
CANADA EAST COAST	ASIA	0	0	0
TOTAL		581	1,362	202
BAUXITE/ALUMINA, THOUSAND TONNES				
ASIA	CANADA EAST COAST	17	11	0
ASIA	CENTRAL AMERICA E.C., W. INDIES	2	1	0
ASIA	S. AMERICA E.C.	22	139	0
ASIA	U.S. EAST COAST	475	1,649	7
CENTRAL AMERICA E.C., W. INDIES	U.S. W.C., HAWAII	122	199	265
OCEANIA	CANADA EAST COAST	65	199	0
OCEANIA	S. AMERICA E.C.	479	662	0
OCEANIA	U.S. EAST COAST	1,585	4,882	0
S. AMERICA E.C.	ASIA	76	1,603	0
S. AMERICA E.C.	CANADA WEST COAST	3	10	0
S. AMERICA E.C.	S. AMERICA W.C.	15	45	0
S. AMERICA E.C.	U.S. W.C., HAWAII	35	68	0
U.S. EAST COAST	ASIA	9	15	6
U.S. EAST COAST	OCEANIA	3	5	2
U.S. EAST COAST	S. AMERICA W.C.	1	0	0
TOTAL		2,906	9,489	281
CRUDE PETROLEUM, THOUSAND TONNES				
CANADA WEST COAST	U.S. EAST COAST	182	232	223
CENTRAL AMERICA E.C., W. INDIES	C. AMERICA W.C.	409	539	116
CENTRAL AMERICA E.C., W. INDIES	S. AMERICA W.C.	105	138	30
CENTRAL AMERICA E.C., W. INDIES	U.S. W.C., HAWAII	80	71	89
S. AMERICA E.C.	ASIA	0	0	0
S. AMERICA E.C.	C. AMERICA W.C.	1,004	1,617	0
S. AMERICA E.C.	S. AMERICA W.C.	924	1,215	0
S. AMERICA E.C.	U.S. W.C., HAWAII	286	376	0
S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	4,743	611	0
S. AMERICA W.C.	U.S. EAST COAST	1,620	209	0
U.S. EAST COAST	S. AMERICA W.C.	0	0	0
U.S. EAST COAST	U.S. W.C., HAWAII	91	0	0
U.S. W.C., HAWAII	U.S. EAST COAST	176	0	0
TOTAL		9,621	5,008	459
COAL & COKE, THOUSAND TONNES				
ASIA	CENTRAL AMERICA E.C., W. INDIES	18	53	79
ASIA	U.S. EAST COAST	724	876	1,734
CANADA EAST COAST	S. AMERICA W.C.	127	27	0
CANADA WEST COAST	EUROPE	2,070	1,235	871
CANADA WEST COAST	S. AMERICA E.C.	55	46	0
OCEANIA	EUROPE	15	27	0
OCEANIA	U.S. EAST COAST	170	289	0
S. AMERICA E.C.	ASIA	35	118	0
S. AMERICA E.C.	S. AMERICA W.C.	228	691	0
U.S. EAST COAST	ASIA	4,717	1,112	0
U.S. EAST COAST	OCEANIA	122	376	442
U.S. EAST COAST	S. AMERICA W.C.	362	300	74
U.S. W.C., HAWAII	CANADA EAST COAST	137	226	188
U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIES	22	47	30
U.S. W.C., HAWAII	EUROPE	2,158	32	0
U.S. W.C., HAWAII	S. AMERICA E.C.	17	53	0
TOTAL		10,978	5,507	3,419

ANNUAL CARGO FLOWS BY COMMODITY AND ROUTE
STATUS QUO CANAL

ORIGIN	DESTINATION	1990	2020	2060
BULK GRAINS, THOUSAND TONNES				
AFRICA	C. AMERICA W.C.	14	33	65
AFRICA	S. AMERICA W.C.	14	34	66
ASIA	CENTRAL AMERICA E.C., W. INDIES	3	8	11
C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	64	159	311
CANADA EAST COAST	ASIA	213	478	0
CANADA EAST COAST	C. AMERICA W.C.	11	9	20
CANADA EAST COAST	S. AMERICA W.C.	3	1	0
CANADA WEST COAST	AFRICA	90	239	0
CANADA WEST COAST	EUROPE	31	22	18
CANADA WEST COAST	S. AMERICA E.C.	52	136	0
EUROPE	S. AMERICA W.C.	17	22	0
EUROPE	C. AMERICA W.C.	29	32	66
EUROPE	OCEANIA	2	2	0
S. AMERICA E.C.	ASIA	44	151	0
S. AMERICA W.C.	EUROPE	0	1	1
U.S. EAST COAST	ASIA	18,567	31,008	39,894
U.S. EAST COAST	C. AMERICA W.C.	1,912	7,093	15,811
U.S. EAST COAST	OCEANIA	6	17	0
U.S. EAST COAST	S. AMERICA W.C.	1,333	1,105	344
U.S. W.C., HAWAII	AFRICA	1,032	3,562	0
U.S. W.C., HAWAII	EUROPE	91	244	0
TOTAL		23,528	44,356	56,607
FERTILIZERS, THOUSAND TONNES				
AFRICA	CANADA WEST COAST	787	1,354	0
AFRICA	C. AMERICA W.C.	225	549	1,362
AFRICA	S. AMERICA W.C.	52	128	313
ASIA	CENTRAL AMERICA E.C., W. INDIES	7	3	2
ASIA	S. AMERICA E.C.	1	13	19
C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	256	616	1,434
C. AMERICA W.C.	S. AMERICA E.C.	5	11	21
CANADA EAST COAST	ASIA	193	402	0
CANADA EAST COAST	OCEANIA	15	26	0
ANNUAL CARGO FLOWS BY COMMODITY AND ROUTE				
STATUS QUO CANAL				
CANADA EAST COAST	S. AMERICA W.C.	69	141	0
CANADA WEST COAST	CENTRAL AMERICA E.C., W. INDIES	38	46	124
CANADA WEST COAST	EUROPE	62	146	191
CANADA WEST COAST	S. AMERICA E.C.	35	49	70
CENTRAL AMERICA E.C., W. INDIES	ASIA	174	113	137
CENTRAL AMERICA E.C., W. INDIES	C. AMERICA W.C.	307	745	1,817
CENTRAL AMERICA E.C., W. INDIES	S. AMERICA W.C.	146	358	301
EUROPE	CANADA WEST COAST	17	17	0
EUROPE	C. AMERICA W.C.	311	519	1,059
EUROPE	U.S. W.C., HAWAII	327	671	1,056
EUROPE	S. AMERICA W.C.	367	451	108
EUROPE	OCEANIA	41	65	0
MIDDLE EAST	S. AMERICA W.C.	35	52	0
S. AMERICA E.C.	ASIA	149	284	0
S. AMERICA E.C.	C. AMERICA W.C.	12	22	23
S. AMERICA E.C.	S. AMERICA W.C.	99	205	0
S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	3	7	12
S. AMERICA W.C.	CANADA EAST COAST	3	6	0
S. AMERICA W.C.	EUROPE	189	510	0
S. AMERICA W.C.	U.S. EAST COAST	225	157	311
S. AMERICA W.C.	S. AMERICA E.C.	0	1	0
U.S. EAST COAST	C. AMERICA W.C.	1,333	107	89
U.S. EAST COAST	ASIA	5,920	237	111
U.S. EAST COAST	CANADA WEST COAST	164	25	23
U.S. EAST COAST	S. AMERICA W.C.	450	13	11
U.S. EAST COAST	OCEANIA	964	77	0
U.S. W.C., HAWAII	AFRICA	27	105	0
U.S. W.C., HAWAII	MIDDLE EAST	0	0	0
TOTAL		13,009	8,229	8,595

ANNUAL CARGO FLOWS BY COMMODITY AND ROUTE
PANAMA CANAL

ORIGIN	DESTINATION	1990	2000	2020
BULK CHEMICALS, THOUSAND TONNES				
AFRICA	S. AMERICA W.C.	12	32	58
ASIA	CENTRAL AMERICA E.C., W. INDIES	4	9	7
ASIA	S. AMERICA E.C.	0	0	0
ASIA	U.S. EAST COAST	125	419	446
CANADA WEST COAST	EUROPE	4	6	8
CANADA WEST COAST	U.S. EAST COAST	216	725	1,013
CENTRAL AMERICA E.C., W. INDIES	ASIA	195	312	259
CENTRAL AMERICA E.C., W. INDIES	C. AMERICA W.C.	3	7	13
CENTRAL AMERICA E.C., W. INDIES	S. AMERICA W.C.	1	3	5
CENTRAL AMERICA E.C., W. INDIES	U.S. W.C., HAWAII	6	10	15
C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	8	22	41
C. AMERICA W.C.	S. AMERICA E.C.	7	19	35
C. AMERICA W.C.	U.S. EAST COAST	145	344	695
EUROPE	CANADA WEST COAST	0	0	0
EUROPE	C. AMERICA W.C.	24	43	0
EUROPE	OCEANIA	126	206	0
EUROPE	S. AMERICA W.C.	60	110	14
EUROPE	U.S. W.C., HAWAII	5	19	35
OCEANIA	CANADA EAST COAST	0	0	0
OCEANIA	EUROPE	31	169	0
OCEANIA	S. AMERICA E.C.	0	0	0
OCEANIA	U.S. EAST COAST	1	5	0
S. AMERICA E.C.	ASIA	8	24	0
S. AMERICA E.C.	S. AMERICA W.C.	26	71	0
S. AMERICA E.C.	CANADA WEST COAST	0	0	0
S. AMERICA E.C.	OCEANIA	0	0	0
S. AMERICA E.C.	U.S. W.C., HAWAII	0	0	0
S. AMERICA W.C.	CANADA EAST COAST	0	0	0
S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	0	0	0
S. AMERICA W.C.	EUROPE	21	51	75
S. AMERICA W.C.	S. AMERICA E.C.	1	2	0
S. AMERICA W.C.	U.S. EAST COAST	82	62	0
U.S. EAST COAST	ASIA	4,109	17,095	25,889
U.S. EAST COAST	CANADA WEST COAST	46	41	68
U.S. EAST COAST	C. AMERICA W.C.	30	50	86
U.S. EAST COAST	OCEANIA	704	451	662
U.S. EAST COAST	S. AMERICA W.C.	258	423	488
U.S. EAST COAST	U.S. W.C., HAWAII	600	1,927	2,161
U.S. WEST COAST	AFRICA	0	0	0
U.S. WEST COAST	CANADA EAST COAST	0	0	0
U.S. W.C., HAWAII	EUROPE	56	201	0
U.S. W.C., HAWAII	S. AMERICA E.C.	10	4	0
U.S. W.C., HAWAII	U.S. EAST COAST	44	58	86
TOTAL		6,967	22,920	32,161
PETROLEUM PRODUCTS, THOUSAND TONNES				
AFRICA	U.S. WEST COAST	54	0	0
ASIA	CENTRAL AMERICA E.C., W. INDIES	5	1	1
ASIA	S. AMERICA E.C.	0	0	0
ASIA	U.S. EAST COAST	83	0	0
CENTRAL AMERICA E.C., W. INDIES	ASIA	195	161	8
CENTRAL AMERICA E.C., W. INDIES	C. AMERICA W.C.	532	2,625	1,330
CENTRAL AMERICA E.C., W. INDIES	S. AMERICA W.C.	531	1,072	1,143
CENTRAL AMERICA E.C., W. INDIES	U.S. W.C., HAWAII	937	652	141
C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	33	54	28
C. AMERICA W.C.	S. AMERICA E.C.	3	8	13
C. AMERICA W.C.	U.S. EAST COAST	5	0	0
CANADA EAST COAST	ASIA	145	392	0
CANADA EAST COAST	S. AMERICA W.C.	0	0	0
CANADA WEST COAST	EUROPE	0	0	0
CANADA WEST COAST	S. AMERICA E.C.	0	0	0
CANADA WEST COAST	U.S. EAST COAST	39	37	59
EUROPE	C. AMERICA W.C.	29	44	62
EUROPE	CANADA WEST COAST	0	0	0

ANNUAL CARGO FLOWS BY COMMODITY AND ROUTE
STATUS QUO CANAL

ORIGIN	DESTINATION	1990	2020	2060
EUROPE	S. AMERICA W.C.	423	13	2
EUROPE	U.S. WEST COAST	352	171	53
EUROPE	OCEANIA	8	0	0
MIDDLE EAST	U.S. W.C., HAWAII	34	0	0
OCEANIA	CENTRAL AMERICA E.C., W. INDIES	1	0	0
OCEANIA	U.S. EAST COAST	144	102	0
S. AMERICA E.C.	ASIA	183	151	0
S. AMERICA E.C.	C. AMERICA W.C.	560	2,763	552
S. AMERICA E.C.	CANADA WEST COAST	0	0	0
S. AMERICA E.C.	S. AMERICA W.C.	501	1,126	0
S. AMERICA E.C.	U.S. WEST COAST	707	1,591	0
S. AMERICA W.C.	CANADA EAST COAST	27	30	0
S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	605	1,002	4
S. AMERICA W.C.	EUROPE	27	0	0
S. AMERICA W.C.	S. AMERICA E.C.	6	10	0
S. AMERICA W.C.	U.S. EAST COAST	2,157	1,501	0
U.S. EAST COAST	ASIA	1,531	1,110	1
U.S. EAST COAST	C. AMERICA W.C.	614	606	204
U.S. EAST COAST	CANADA WEST COAST	0	0	0
U.S. EAST COAST	OCEANIA	201	156	0
U.S. EAST COAST	S. AMERICA W.C.	224	224	24
U.S. EAST COAST	U.S. W.C., HAWAII	679	580	250
U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIES	324	338	108
U.S. WEST COAST	CANADA EAST COAST	34	21	0
U.S. WEST COAST	EUROPE	17	0	0
U.S. WEST COAST	S. AMERICA E.C.	86	86	0
U.S. W.C., HAWAII	U.S. EAST COAST	456	366	157
TOTAL		12,490	16,995	4,140
OILS AND FATS, THOUSAND TONNES				
ASIA	CANADA EAST COAST	1	4	0
ASIA	CENTRAL AMERICA E.C., W. INDIES	28	28	42
ASIA	S. AMERICA E.C.	7	16	0
ASIA	U.S. EAST COAST	117	184	387
C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	14	28	54
C. AMERICA W.C.	EUROPE	6	10	13
C. AMERICA W.C.	U.S. EAST COAST	3	1	1
CANADA EAST COAST	ASIA	0	0	0
CANADA EAST COAST	C. AMERICA W.C.	1	1	3
CANADA EAST COAST	OCEANIA	0	0	0
CANADA EAST COAST	S. AMERICA W.C.	0	1	0
CANADA EAST COAST	U.S. W.C., HAWAII	0	0	0
CANADA WEST COAST	EUROPE	29	81	98
CANADA WEST COAST	S. AMERICA E.C.	0	0	0
CENTRAL AMERICA E.C., W. INDIES	ASIA	19	45	72
CENTRAL AMERICA E.C., W. INDIES	C. AMERICA W.C.	5	11	20
EUROPE	C. AMERICA W.C.	7	12	25
EUROPE	OCEANIA	12	17	0
EUROPE	S. AMERICA W.C.	4	6	4
EUROPE	U.S. W.C., HAWAII	10	26	29
OCEANIA	EUROPE	5	5	0
OCEANIA	S. AMERICA E.C.	0	0	0
S. AMERICA E.C.	ASIA	0	0	0
S. AMERICA E.C.	OCEANIA	0	0	0
S. AMERICA E.C.	C. AMERICA W.C.	16	35	0
S. AMERICA E.C.	U.S. W.C., HAWAII	34	80	0
S. AMERICA W.C.	EUROPE	86	193	315
S. AMERICA W.C.	U.S. EAST COAST	24	11	20
S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	35	75	90
S. AMERICA W.C.	S. AMERICA E.C.	32	70	0
U.S. EAST COAST	ASIA	66	330	507
U.S. EAST COAST	C. AMERICA W.C.	72	113	214
U.S. EAST COAST	OCEANIA	1	4	0
U.S. EAST COAST	S. AMERICA W.C.	74	21	36
U.S. W.C., HAWAII	AFRICA	0	0	0

ANNUAL CARGO FLOWS BY COMMODITY AND ROUTE
PANAMA CANAL

ORIGIN	DESTINATION	1990	2000	2020
U.S. W.C., HAWAII	EUROPE	7	16	16
U.S. W.C., HAWAII	U.S. EAST COAST	12	25	49
TOTAL		729	1,449	1,996
REFRIGERATED CARGO, THOUSAND TONNES				
AFRICA	CANADA WEST COAST	0	0	0
AFRICA	S. AMERICA W.C.	0	1	1
AFRICA	U.S. W.C., HAWAII	0	0	0
ASIA	CENTRAL AMERICA E.C., W. INDIES	24	89	105
ASIA	CANADA EAST COAST	5	5	14
ASIA	S. AMERICA E.C.	2	2	2
ASIA	U.S. EAST COAST	119	333	641
CENTRAL AMERICA E.C., W. INDIES	ASIA	36	37	43
CENTRAL AMERICA E.C., W. INDIES	S. AMERICA W.C.	2	6	11
C. AMERICA W.C.	AFRICA	1	3	7
C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	99	252	557
C. AMERICA W.C.	CANADA EAST COAST	9	2	5
C. AMERICA W.C.	EUROPE	537	987	1,481
C. AMERICA W.C.	S. AMERICA E.C.	58	149	329
C. AMERICA W.C.	U.S. EAST COAST	2	2	4
CANADA EAST COAST	ASIA	54	92	130
CANADA EAST COAST	C. AMERICA W.C.	3	1	2
CANADA EAST COAST	OCEANIA	5	6	0
CANADA EAST COAST	S. AMERICA W.C.	0	0	0
CANADA EAST COAST	U.S. W.C., HAWAII	1	0	1
CANADA WEST COAST	AFRICA	0	0	0
CANADA WEST COAST	EUROPE	31	56	76
CANADA WEST COAST	S. AMERICA E.C.	0	0	0
EUROPE	C. AMERICA W.C.	2	3	4
EUROPE	CANADA WEST COAST	12	16	27
EUROPE	OCEANIA	13	24	0
EUROPE	S. AMERICA W.C.	6	11	24
EUROPE	U.S. W.C., HAWAII	65	95	142
MIDDLE EAST	U.S. W.C., HAWAII	1	3	7
OCEANIA	CENTRAL AMERICA E.C., W. INDIES	46	41	113
OCEANIA	CANADA EAST COAST	56	57	0
OCEANIA	EUROPE	327	860	0
OCEANIA	MIDDLE EAST	0	1	0
OCEANIA	S. AMERICA E.C.	6	18	0
OCEANIA	U.S. EAST COAST	470	583	190
S. AMERICA E.C.	ASIA	49	115	92
S. AMERICA E.C.	CANADA WEST COAST	0	1	1
S. AMERICA E.C.	OCEANIA	0	0	0
S. AMERICA E.C.	C. AMERICA W.C.	1	2	2
S. AMERICA E.C.	S. AMERICA W.C.	3	8	0
S. AMERICA E.C.	U.S. W.C., HAWAII	1	3	0
S. AMERICA W.C.	AFRICA	25	64	0
S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	43	110	244
S. AMERICA W.C.	MIDDLE EAST	15	17	0
S. AMERICA W.C.	S. AMERICA E.C.	11	28	0
S. AMERICA W.C.	CANADA EAST COAST	1	1	3
S. AMERICA W.C.	EUROPE	1,550	5,316	7,687
S. AMERICA W.C.	U.S. EAST COAST	1,156	2,278	3,885
U.S. EAST COAST	ASIA	269	930	1,518
U.S. EAST COAST	C. AMERICA W.C.	3	6	12
U.S. EAST COAST	OCEANIA	16	25	0
U.S. EAST COAST	S. AMERICA W.C.	4	7	16
U.S. W.C., HAWAII	AFRICA	0	0	0
U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIES	3	8	19
U.S. W.C., HAWAII	CANADA EAST COAST	0	1	1
U.S. W.C., HAWAII	EUROPE	236	949	1,093
U.S. W.C., HAWAII	MIDDLE EAST	2	3	0
U.S. W.C., HAWAII	S. AMERICA E.C.	5	2	0
U.S. W.C., HAWAII	U.S. EAST COAST	2	3	6
TOTAL		5,389	13,614	18,496

ANNUAL CARGO FLOWS BY COMMODITY AND ROUTE
STATUS QUO CANAL

ORIGIN	DESTINATION	1990	2020	2060
VEHICLES, THOUSAND TONNES				
ASIA	CENTRAL AMERICA E.C., W. INDIES	111	29	107
ASIA	S. AMERICA E.C.	4	6	6
ASIA	U.S. EAST COAST	1,249	1,911	1,404
CENTRAL AMERICA E.C., W. INDIES	C. AMERICA W.C.	1	2	1
CENTRAL AMERICA E.C., W. INDIES	S. AMERICA W.C.	7	18	12
C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	0	2	1
C. AMERICA W.C.	U.S. EAST COAST	5	2	12
CANADA EAST COAST	ASIA	0	1	1
CANADA EAST COAST	S. AMERICA W.C.	1	1	1
EUROPE	C. AMERICA W.C.	9	9	10
EUROPE	CANADA WEST COAST	11	6	11
EUROPE	OCEANIA	18	9	0
EUROPE	S. AMERICA W.C.	12	9	16
EUROPE	U.S. W.C., HAWAII	180	258	179
MIDDLE EAST	S. AMERICA W.C.	1	1	1
OCEANIA	U.S. EAST COAST	0	0	0
S. AMERICA E.C.	ASIA	0	0	0
S. AMERICA E.C.	S. AMERICA W.C.	1	2	1
S. AMERICA E.C.	OCEANIA	0	0	0
S. AMERICA W.C.	EUROPE	0	0	0
S. AMERICA W.C.	S. AMERICA E.C.	0	0	0
S. AMERICA W.C.	U.S. EAST COAST	1	0	2
U.S. EAST COAST	ASIA	9	12	9
U.S. EAST COAST	OCEANIA	10	4	10
U.S. EAST COAST	S. AMERICA W.C.	18	34	22
U.S. W.C., HAWAII	AFRICA	0	0	0
U.S. W.C., HAWAII	EUROPE	0	0	0
TOTAL		1,647	2,317	1,807
MINOR BULKS, THOUSAND TONNES				
AFRICA	S. AMERICA W.C.	3	8	19
AFRICA	U.S. W.C., HAWAII	66	161	0
ASIA	CENTRAL AMERICA E.C., W. INDIES	340	122	5
ASIA	CANADA EAST COAST	135	287	0
ASIA	S. AMERICA E.C.	70	17	13
ASIA	U.S. EAST COAST	4,581	3,636	742
CENTRAL AMERICA E.C., W. INDIES	ASIA	1,375	893	1,086
CENTRAL AMERICA E.C., W. INDIES	C. AMERICA W.C.	28	69	168
CENTRAL AMERICA E.C., W. INDIES	CANADA WEST COAST	10	15	30
CENTRAL AMERICA E.C., W. INDIES	OCEANIA	13	19	16
CENTRAL AMERICA E.C., W. INDIES	S. AMERICA W.C.	41	102	90
CENTRAL AMERICA E.C., W. INDIES	U.S. W.C., HAWAII	41	63	55
C. AMERICA W.C.	AFRICA	98	178	263
C. AMERICA W.C.	CANADA EAST COAST	10	4	8
C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	186	447	1,042
C. AMERICA W.C.	EUROPE	295	666	276
C. AMERICA W.C.	S. AMERICA E.C.	76	173	341
C. AMERICA W.C.	U.S. EAST COAST	1,381	1,307	1,965
CANADA EAST COAST	ASIA	713	1,483	15
CANADA EAST COAST	C. AMERICA W.C.	10	14	44
CANADA EAST COAST	OCEANIA	16	27	0
CANADA EAST COAST	S. AMERICA W.C.	15	32	39
CANADA WEST COAST	AFRICA	1,347	2,186	0
CANADA WEST COAST	CENTRAL AMERICA E.C., W. INDIES	20	24	65
CANADA WEST COAST	EUROPE	2,632	4,403	7,155
CANADA WEST COAST	MIDDLE EAST	259	948	2,827
CANADA WEST COAST	S. AMERICA E.C.	301	424	0
CANADA WEST COAST	U.S. EAST COAST	5	11	19
EUROPE	C. AMERICA W.C.	293	488	997
EUROPE	CANADA WEST COAST	170	177	42
EUROPE	OCEANIA	88	137	0
EUROPE	S. AMERICA W.C.	201	246	254
EUROPE	U.S. W.C., HAWAII	794	1,627	2,561
OCEANIA	CANADA EAST COAST	352	460	0
OCEANIA	CENTRAL AMERICA E.C., W. INDIES	195	165	0

ANNUAL CARGO FLOWS BY COMMODITY AND ROUTE
PANAMA CANAL

ORIGIN	DESTINATION	1990	2020	2050
OCEANIA	EUROPE	191	277	0
OCEANIA	U.S. EAST COAST	782	1,779	0
S. AMERICA E.C.	ASIA	609	1,163	0
S. AMERICA E.C.	C. AMERICA W.C.	232	424	0
S. AMERICA E.C.	CANADA WEST COAST	94	74	0
S. AMERICA E.C.	S. AMERICA W.C.	148	309	0
S. AMERICA E.C.	U.S. W.C., HAWAII	969	1,070	0
S. AMERICA W.C.	AFRICA	21	60	0
S. AMERICA W.C.	CANADA EAST COAST	6	10	0
S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	73	157	133
S. AMERICA W.C.	EUROPE	2,114	5,701	3,074
S. AMERICA W.C.	MIDDLE EAST	25	28	0
S. AMERICA W.C.	S. AMERICA E.C.	92	225	0
S. AMERICA W.C.	U.S. EAST COAST	1,474	1,026	0
U.S. EAST COAST	ASIA	11,073	16,039	24,180
U.S. EAST COAST	C. AMERICA W.C.	291	482	1,432
U.S. EAST COAST	OCEANIA	138	176	0
U.S. EAST COAST	S. AMERICA W.C.	317	449	543
U.S. EAST COAST	U.S. W.C., HAWAII	1	1	1
U.S. W.C., HAWAII	AFRICA	239	941	0
U.S. W.C., HAWAII	CANADA EAST COAST	16	31	56
U.S. W.C., HAWAII	EUROPE	1,357	5,510	0
U.S. W.C., HAWAII	S. AMERICA E.C.	193	245	0
U.S. W.C., HAWAII	U.S. EAST COAST	191	210	246
TOTAL		36,806	57,404	49,802
CONTAINERIZED CARGO, THOUSAND TONNES				
AFRICA	C. AMERICA W.C.	1	2	4
AFRICA	CANADA WEST COAST	1	1	4
AFRICA	U.S. W.C., HAWAII	3	8	23
ASIA	CANADA EAST COAST	366	682	739
ASIA	CENTRAL AMERICA E.C., W. INDIES	503	2,206	1,326
ASIA	S. AMERICA E.C.	86	67	77
ASIA	U.S. EAST COAST	4,910	9,713	10,521
C. AMERICA W.C.	AFRICA	1	3	7
C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	26	72	133
C. AMERICA W.C.	EUROPE	43	58	87
C. AMERICA W.C.	S. AMERICA E.C.	3	8	15
C. AMERICA W.C.	U.S. EAST COAST	3	3	5
CENTRAL AMERICA E.C., W. INDIES	ASIA	159	103	121
CENTRAL AMERICA E.C., W. INDIES	C. AMERICA W.C.	19	52	95
CENTRAL AMERICA E.C., W. INDIES	CANADA WEST COAST	1	1	2
CENTRAL AMERICA E.C., W. INDIES	OCEANIA	5	10	27
CENTRAL AMERICA E.C., W. INDIES	S. AMERICA W.C.	68	187	343
CENTRAL AMERICA E.C., W. INDIES	U.S. W.C., HAWAII	24	24	53
CANADA EAST COAST	ASIA	218	561	658
CANADA EAST COAST	C. AMERICA W.C.	0	1	2
CANADA EAST COAST	OCEANIA	105	193	0
CANADA EAST COAST	S. AMERICA W.C.	2	4	9
CANADA EAST COAST	U.S. W.C., HAWAII	51	136	246
CANADA WEST COAST	AFRICA	0	0	0
CANADA WEST COAST	EUROPE	241	491	511
CANADA WEST COAST	S. AMERICA E.C.	8	12	30
CANADA WEST COAST	U.S. EAST COAST	0	0	1
EUROPE	C. AMERICA W.C.	29	49	88
EUROPE	CANADA WEST COAST	182	311	336
EUROPE	OCEANIA	575	1,075	0
EUROPE	S. AMERICA W.C.	589	924	1,635
EUROPE	U.S. W.C., HAWAII	1,602	2,735	2,963
MIDDLE EAST	S. AMERICA W.C.	1	1	0
MIDDLE EAST	U.S. W.C., HAWAII	36	112	236
OCEANIA	CANADA EAST COAST	47	81	0
OCEANIA	CENTRAL AMERICA E.C., W. INDIES	13	10	24
OCEANIA	EUROPE	144	322	0
OCEANIA	S. AMERICA E.C.	0	0	0
OCEANIA	U.S. EAST COAST	242	422	13

ANNUAL CARGO FLOWS BY COMMODITY AND ROUTE
STATUS QUO CANAL

ORIGIN	DESTINATION	1990	2020	2060
S. AMERICA E.C.	ASIA	49	67	0
S. AMERICA E.C.	C. AMERICA W.C.	18	50	0
S. AMERICA E.C.	CANADA WEST COAST	27	49	0
S. AMERICA E.C.	OCEANIA	0	0	0
S. AMERICA E.C.	S. AMERICA W.C.	50	140	0
S. AMERICA E.C.	U.S. W.C., HAWAII	94	235	20
S. AMERICA W.C.	CANADA EAST COAST	1	2	2
S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	39	108	198
S. AMERICA W.C.	EUROPE	577	1,489	2,286
S. AMERICA W.C.	S. AMERICA E.C.	16	43	0
S. AMERICA W.C.	U.S. EAST COAST	609	962	2,143
U.S. EAST COAST	ASIA	6,393	16,447	19,294
U.S. EAST COAST	C. AMERICA W.C.	27	75	152
U.S. EAST COAST	OCEANIA	536	1,861	3,460
U.S. EAST COAST	S. AMERICA W.C.	575	1,502	3,069
U.S. EAST COAST	U.S. W.C., HAWAII	26	26	26
U.S. W.C., HAWAII	AFRICA	36	109	0
U.S. W.C., HAWAII	CANADA EAST COAST	3	5	7
U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIES	42	119	254
U.S. W.C., HAWAII	EUROPE	1,290	2,628	2,735
U.S. W.C., HAWAII	MIDDLE EAST	28	100	0
U.S. W.C., HAWAII	S. AMERICA E.C.	12	4	0
U.S. W.C., HAWAII	U.S. EAST COAST	85	172	335
TOTAL		20,840	46,835	54,313
GENERAL CARGO, THOUSAND TONNES				
AFRICA	CANADA WEST COAST	0	1	1
AFRICA	S. AMERICA W.C.	1	2	4
AFRICA	U.S. W.C., HAWAII	1	2	7
ASIA	CENTRAL AMERICA E.C., W. INDIES	598	1,264	1,921
ASIA	CANADA EAST COAST	10	11	15
ASIA	S. AMERICA E.C.	60	106	228
ASIA	U.S. EAST COAST	510	1,376	1,585
C. AMERICA W.C.	AFRICA	7	17	34
C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	17	42	79
C. AMERICA W.C.	EUROPE	176	236	710
C. AMERICA W.C.	S. AMERICA E.C.	2	4	6
C. AMERICA W.C.	U.S. EAST COAST	25	35	74
CENTRAL AMERICA E.C., W. INDIES	ASIA	93	226	370
CENTRAL AMERICA E.C., W. INDIES	C. AMERICA W.C.	8	23	47
CENTRAL AMERICA E.C., W. INDIES	CANADA WEST COAST	24	70	133
CENTRAL AMERICA E.C., W. INDIES	OCEANIA	6	18	35
CENTRAL AMERICA E.C., W. INDIES	S. AMERICA W.C.	49	131	244
CENTRAL AMERICA E.C., W. INDIES	U.S. W.C., HAWAII	22	63	94
CANADA EAST COAST	ASIA	182	544	75
CANADA EAST COAST	C. AMERICA W.C.	6	9	22
CANADA EAST COAST	OCEANIA	0	0	0
CANADA EAST COAST	S. AMERICA W.C.	19	31	0
CANADA EAST COAST	U.S. W.C., HAWAII	0	0	0
CANADA WEST COAST	AFRICA	279	1,246	662
CANADA WEST COAST	ASIA	3	4	0
CANADA WEST COAST	CENTRAL AMERICA E.C., W. INDIES	38	80	202
CANADA WEST COAST	EUROPE	2,159	5,784	9,837
CANADA WEST COAST	MIDDLE EAST	4	12	25
CANADA WEST COAST	S. AMERICA E.C.	100	166	429
CANADA WEST COAST	U.S. EAST COAST	611	1,705	3,461
EUROPE	C. AMERICA W.C.	115	248	496
EUROPE	CANADA WEST COAST	72	147	177
EUROPE	OCEANIA	139	318	0
EUROPE	S. AMERICA W.C.	293	647	1,088
EUROPE	U.S. W.C., HAWAII	165	619	978
MIDDLE EAST	S. AMERICA W.C.	1	4	0
MIDDLE EAST	U.S. W.C., HAWAII	2	5	3
OCEANIA	CANADA EAST COAST	1	2	0
OCEANIA	CENTRAL AMERICA E.C., W. INDIES	57	36	82
OCEANIA	EUROPE	45	112	0

ANNUAL CARGO FLOWS BY COMMODITY AND ROUTE
STATUS QUO CANAL

ORIGIN	DESTINATION	1990	2000	2010
OCEANIA	S. AMERICA E.C.	50	95	0
OCEANIA	U.S. EAST COAST	310	457	13
S. AMERICA E.C.	ASIA	648	1,017	0
S. AMERICA E.C.	C. AMERICA W.C.	25	55	0
S. AMERICA E.C.	CANADA WEST COAST	34	86	0
S. AMERICA E.C.	OCEANIA	0	1	2
S. AMERICA E.C.	S. AMERICA W.C.	103	284	0
S. AMERICA E.C.	U.S. W.C., HAWAII	65	302	0
S. AMERICA W.C.	AFRICA	90	206	379
S. AMERICA W.C.	CANADA EAST COAST	3	6	0
S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	86	213	322
S. AMERICA W.C.	EUROPE	1,713	3,728	5,536
S. AMERICA W.C.	S. AMERICA E.C.	72	181	0
S. AMERICA W.C.	U.S. EAST COAST	451	637	1,435
U.S. EAST COAST	ASIA	1,271	4,711	7,875
U.S. EAST COAST	C. AMERICA W.C.	51	111	239
U.S. EAST COAST	OCEANIA	90	220	31
U.S. EAST COAST	S. AMERICA W.C.	434	1,246	2,722
U.S. EAST COAST	U.S. W.C., HAWAII	25	60	66
U.S. W.C., HAWAII	AFRICA	118	325	965
U.S. W.C., HAWAII	CANADA EAST COAST	0	2	2
U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIES	1	2	4
U.S. W.C., HAWAII	EUROPE	390	1,081	1,466
U.S. W.C., HAWAII	S. AMERICA E.C.	22	71	0
U.S. W.C., HAWAII	U.S. EAST COAST	29	37	70
TOTAL		11,980	30,477	44,251

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ANNUAL CARGO FLOWS BY COMMODITY AND ROUTE
ALTERNATE CASE: 150,000 DWT

ORIGIN	DESTINATION	1990	2020	2060
IRON ORE, THOUSAND TONNES				
C. AMERICA W.C.	U.S. EAST COAST	106	195	201
S. AMERICA E.C.	ASIA	103	16,991	7,728
S. AMERICA E.C.	U.S. W.C., HAWAII	47	93	125
S. AMERICA W.C.	EUROPE	107	1,045	0
S. AMERICA W.C.	U.S. EAST COAST	195	660	1,449
U.S. EAST COAST	S. AMERICA W.C.	0	0	1
U.S. W.C., HAWAII	EUROPE	23	62	50
CANADA EAST COAST	ASIA	0	1,256	1,517
TOTAL		581	20,302	11,071
BAUXITE/ALUMINA, THOUSAND TONNES				
ASIA	CANADA EAST COAST	17	11	16
ASIA	CENTRAL AMERICA E.C., W. INDIES	2	1	1
ASIA	S. AMERICA E.C.	22	139	152
ASIA	U.S. EAST COAST	475	1,649	2,688
CENTRAL AMERICA E.C., W. INDIES	U.S. W.C., HAWAII	122	199	265
OCEANIA	CANADA EAST COAST	65	199	22
OCEANIA	S. AMERICA E.C.	479	662	86
OCEANIA	U.S. EAST COAST	1,585	4,882	537
S. AMERICA E.C.	ASIA	76	1,603	1,475
S. AMERICA E.C.	CANADA WEST COAST	3	10	7
S. AMERICA E.C.	S. AMERICA W.C.	15	45	58
S. AMERICA E.C.	U.S. W.C., HAWAII	35	68	92
U.S. EAST COAST	ASIA	9	15	6
U.S. EAST COAST	OCEANIA	3	5	2
U.S. EAST COAST	S. AMERICA W.C.	1	0	0
TOTAL		2,906	9,489	5,407
CRUDE PETROLEUM, THOUSAND TONNES				
CANADA WEST COAST	U.S. EAST COAST	182	232	223
CENTRAL AMERICA E.C., W. INDIES	C. AMERICA W.C.	409	539	116
CENTRAL AMERICA E.C., W. INDIES	S. AMERICA W.C.	105	138	30
CENTRAL AMERICA E.C., W. INDIES	U.S. W.C., HAWAII	80	71	89
S. AMERICA E.C.	ASIA	0	14,000	14,000
S. AMERICA E.C.	C. AMERICA W.C.	1,004	1,617	1,747
S. AMERICA E.C.	S. AMERICA W.C.	924	1,215	261
S. AMERICA E.C.	U.S. W.C., HAWAII	286	376	81
S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	4,743	611	0
S. AMERICA W.C.	U.S. EAST COAST	1,620	209	0
U.S. EAST COAST	S. AMERICA W.C.	0	0	0
U.S. EAST COAST	U.S. W.C., HAWAII	91	0	0
U.S. W.C., HAWAII	U.S. EAST COAST	176	0	0
TOTAL		9,621	19,008	16,548
COAL & COKE, THOUSAND TONNES				
ASIA	CENTRAL AMERICA E.C., W. INDIES	18	53	79
ASIA	U.S. EAST COAST	724	876	1,734
CANADA EAST COAST	S. AMERICA W.C.	127	27	25
CANADA WEST COAST	EUROPE	2,070	2,594	1,839
CANADA WEST COAST	S. AMERICA E.C.	55	851	898
OCEANIA	EUROPE	15	27	35
OCEANIA	U.S. EAST COAST	170	289	348
S. AMERICA E.C.	ASIA	35	410	495
S. AMERICA E.C.	S. AMERICA W.C.	228	691	895
U.S. EAST COAST	ASIA	4,717	56,967	75,051
U.S. EAST COAST	OCEANIA	122	376	442
U.S. EAST COAST	S. AMERICA W.C.	362	300	619
U.S. W.C., HAWAII	CANADA EAST COAST	137	226	188
U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIES	22	47	30
U.S. W.C., HAWAII	EUROPE	2,158	32	26
U.S. W.C., HAWAII	S. AMERICA E.C.	17	53	66
TOTAL		10,978	63,818	82,772

ANNUAL CARGO FLOWS BY COMMODITY AND ROUTE
ALTERNATE CASE: 1)150,000 DWT

ORIGIN	DESTINATION	1990	2020	2060
BULK GRAINS, THOUSAND TONNES				
AFRICA	C. AMERICA W.C.	14	33	65
AFRICA	S. AMERICA W.C.	14	34	66
ASIA	CENTRAL AMERICA E.C., W. INDIES	3	8	11
C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	64	159	311
CANADA EAST COAST	ASIA	213	478	1,248
CANADA EAST COAST	C. AMERICA W.C.	11	9	20
CANADA EAST COAST	S. AMERICA W.C.	3	1	1
CANADA WEST COAST	AFRICA	90	239	1,034
CANADA WEST COAST	EUROPE	31	22	18
CANADA WEST COAST	S. AMERICA E.C.	52	136	331
EUROPE	S. AMERICA W.C.	17	22	40
EUROPE	C. AMERICA W.C.	29	32	66
EUROPE	OCEANIA	2	2	3
S. AMERICA E.C.	ASIA	44	151	182
S. AMERICA W.C.	EUROPE	0	1	1
U.S. EAST COAST	ASIA	18,567	31,008	39,894
U.S. EAST COAST	C. AMERICA W.C.	1,912	7,093	15,811
U.S. EAST COAST	OCEANIA	6	17	20
U.S. EAST COAST	S. AMERICA W.C.	1,333	1,105	2,277
U.S. W.C., HAWAII	AFRICA	1,032	3,562	5,307
U.S. W.C., HAWAII	EUROPE	91	244	196
TOTAL		23,528	44,356	66,902
FERTILIZERS, THOUSAND TONNES				
AFRICA	CANADA WEST COAST	787	1,354	7,629
AFRICA	C. AMERICA W.C.	225	549	1,362
AFRICA	S. AMERICA W.C.	52	128	1,293
ASIA	CENTRAL AMERICA E.C., W. INDIES	7	3	2
ASIA	S. AMERICA E.C.	1	13	19
C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	256	616	1,434
C. AMERICA W.C.	S. AMERICA E.C.	5	11	21
CANADA EAST COAST	ASIA	193	402	628
CANADA EAST COAST	OCEANIA	15	26	60
CANADA EAST COAST	S. AMERICA W.C.	69	141	406
CANADA WEST COAST	CENTRAL AMERICA E.C., W. INDIES	38	46	124
CANADA WEST COAST	EUROPE	62	146	191
CANADA WEST COAST	S. AMERICA E.C.	35	49	70
CENTRAL AMERICA E.C., W. INDIES	ASIA	174	113	137
CENTRAL AMERICA E.C., W. INDIES	C. AMERICA W.C.	307	745	1,817
CENTRAL AMERICA E.C., W. INDIES	S. AMERICA W.C.	146	358	301
EUROPE	CANADA WEST COAST	17	17	21
EUROPE	C. AMERICA W.C.	311	519	1,059
EUROPE	U.S. W.C., HAWAII	327	671	1,056
EUROPE	S. AMERICA W.C.	367	451	108
EUROPE	OCEANIA	41	65	5
MIDDLE EAST	S. AMERICA W.C.	35	52	104
S. AMERICA E.C.	ASIA	149	284	288
S. AMERICA E.C.	C. AMERICA W.C.	12	22	39
S. AMERICA E.C.	S. AMERICA W.C.	99	205	406
S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	3	7	12
S. AMERICA W.C.	CANADA EAST COAST	3	6	14
S. AMERICA W.C.	EUROPE	189	510	137
S. AMERICA W.C.	U.S. EAST COAST	225	157	311
S. AMERICA W.C.	S. AMERICA E.C.	0	1	1
U.S. EAST COAST	C. AMERICA W.C.	1,333	107	89
U.S. EAST COAST	ASIA	5,920	237	111
U.S. EAST COAST	CANADA WEST COAST	164	25	23
U.S. EAST COAST	S. AMERICA W.C.	450	13	6
U.S. EAST COAST	OCEANIA	964	77	60
U.S. W.C., HAWAII	AFRICA	27	105	328
U.S. W.C., HAWAII	MIDDLE EAST	0	0	0
TOTAL		13,009	8,229	19,674

ANNUAL CARGO FLOWS BY COMMODITY AND ROUTE
ALTERNATE CASE: 1)150,000 DWT

ORIGIN	DESTINATION	1990	2020	2060
BULK CHEMICALS, THOUSAND TONNES				
AFRICA	S. AMERICA W.C.	12	32	58
ASIA	CENTRAL AMERICA E.C., W. INDIES	4	9	12
ASIA	S. AMERICA E.C.	0	0	0
ASIA	U.S. EAST COAST	125	419	480
CANADA WEST COAST	EUROPE	4	6	8
CANADA WEST COAST	U.S. EAST COAST	216	725	1,013
CENTRAL AMERICA E.C., W. INDIES	ASIA	195	312	370
CENTRAL AMERICA E.C., W. INDIES	C. AMERICA W.C.	3	7	13
CENTRAL AMERICA E.C., W. INDIES	S. AMERICA W.C.	1	3	5
CENTRAL AMERICA E.C., W. INDIES	U.S. W.C., HAWAII	6	10	15
C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	8	22	41
C. AMERICA W.C.	S. AMERICA E.C.	7	19	35
C. AMERICA W.C.	U.S. EAST COAST	145	344	695
EUROPE	CANADA WEST COAST	0	0	0
EUROPE	C. AMERICA W.C.	24	43	71
EUROPE	OCEANIA	126	206	293
EUROPE	S. AMERICA W.C.	60	110	174
EUROPE	U.S. W.C., HAWAII	5	19	35
OCEANIA	CANADA EAST COAST	0	0	0
OCEANIA	EUROPE	31	169	281
OCEANIA	S. AMERICA E.C.	0	0	0
OCEANIA	U.S. EAST COAST	1	5	13
S. AMERICA E.C.	ASIA	8	24	30
S. AMERICA E.C.	S. AMERICA W.C.	26	71	132
S. AMERICA E.C.	CANADA WEST COAST	0	0	0
S. AMERICA E.C.	OCEANIA	0	0	0
S. AMERICA E.C.	U.S. W.C., HAWAII	0	0	0
S. AMERICA W.C.	CANADA EAST COAST	0	0	0
S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	0	0	0
S. AMERICA W.C.	EUROPE	21	51	75
S. AMERICA W.C.	S. AMERICA E.C.	1	2	0
S. AMERICA W.C.	U.S. EAST COAST	82	62	187
U.S. EAST COAST	ASIA	4,109	17,095	25,889
U.S. EAST COAST	CANADA WEST COAST	46	41	68
U.S. EAST COAST	C. AMERICA W.C.	30	50	86
U.S. EAST COAST	OCEANIA	704	451	662
U.S. EAST COAST	S. AMERICA W.C.	258	423	609
U.S. EAST COAST	U.S. W.C., HAWAII	600	1,927	2,161
U.S. WEST COAST	AFRICA	0	0	0
U.S. WEST COAST	CANADA EAST COAST	0	0	0
U.S. W.C., HAWAII	EUROPE	56	201	252
U.S. W.C., HAWAII	S. AMERICA E.C.	10	4	6
U.S. W.C., HAWAII	U.S. EAST COAST	44	58	86
TOTAL		6,967	22,920	33,857
PETROLEUM PRODUCTS, THOUSAND TONNES				
AFRICA	U.S. WEST COAST	54	0	0
ASIA	CENTRAL AMERICA E.C., W. INDIES	5	1	1
ASIA	S. AMERICA E.C.	0	0	0
ASIA	U.S. EAST COAST	83	0	0
CENTRAL AMERICA E.C., W. INDIES	ASIA	195	161	54
CENTRAL AMERICA E.C., W. INDIES	C. AMERICA W.C.	532	2,625	1,330
CENTRAL AMERICA E.C., W. INDIES	S. AMERICA W.C.	531	1,072	1,143
CENTRAL AMERICA E.C., W. INDIES	U.S. W.C., HAWAII	937	652	141
C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	33	54	28
C. AMERICA W.C.	S. AMERICA E.C.	3	8	13
C. AMERICA W.C.	U.S. EAST COAST	5	0	0
CANADA EAST COAST	ASIA	145	392	706
CANADA EAST COAST	S. AMERICA W.C.	0	0	0
CANADA WEST COAST	EUROPE	0	0	0
CANADA WEST COAST	S. AMERICA E.C.	0	0	0
CANADA WEST COAST	U.S. EAST COAST	39	37	59
EUROPE	C. AMERICA W.C.	29	44	62

ANNUAL CARGO FLOWS BY COMMODITY AND ROUTE
ALTERNATE CASE: 1)150,000 DWT

ORIGIN	DESTINATION	1990	2020	2060
EUROPE	CANADA WEST COAST	0	0	0
EUROPE	S. AMERICA W.C.	423	13	21
EUROPE	U.S. WEST COAST	352	171	53
EUROPE	OCEANIA	8	0	0
MIDDLE EAST	U.S. W.C., HAWAII	34	0	0
OCEANIA	CENTRAL AMERICA E.C., W. INDIES	1	0	0
OCEANIA	U.S. EAST COAST	144	102	64
S. AMERICA E.C.	ASIA	183	151	51
S. AMERICA E.C.	C. AMERICA W.C.	560	2,763	1,400
S. AMERICA E.C.	CANADA WEST COAST	0	0	0
S. AMERICA E.C.	S. AMERICA W.C.	501	1,126	572
S. AMERICA E.C.	U.S. WEST COAST	707	1,591	808
S. AMERICA W.C.	CANADA EAST COAST	27	30	0
S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	605	1,002	508
S. AMERICA W.C.	EUROPE	27	0	0
S. AMERICA W.C.	S. AMERICA E.C.	6	10	5
S. AMERICA W.C.	U.S. EAST COAST	2,157	1,501	462
U.S. EAST COAST	ASIA	1,531	1,110	7
U.S. EAST COAST	C. AMERICA W.C.	614	606	204
U.S. EAST COAST	CANADA WEST COAST	0	0	0
U.S. EAST COAST	OCEANIA	201	156	0
U.S. EAST COAST	S. AMERICA W.C.	224	224	75
U.S. EAST COAST	U.S. W.C., HAWAII	679	580	250
U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIES	324	338	108
U.S. WEST COAST	CANADA EAST COAST	34	21	0
U.S. WEST COAST	EUROPE	17	0	0
U.S. WEST COAST	S. AMERICA E.C.	86	86	29
U.S. W.C., HAWAII	U.S. EAST COAST	456	366	157
TOTAL		12,490	16,995	8,311

OILS AND FATS, THOUSAND TONNES

ASIA	CANADA EAST COAST	1	4	4
ASIA	CENTRAL AMERICA E.C., W. INDIES	28	28	42
ASIA	S. AMERICA E.C.	7	16	23
ASIA	U.S. EAST COAST	117	184	476
C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	14	28	54
C. AMERICA W.C.	EUROPE	6	10	13
C. AMERICA W.C.	U.S. EAST COAST	3	1	1
CANADA EAST COAST	ASIA	0	0	0
CANADA EAST COAST	C. AMERICA W.C.	1	1	3
CANADA EAST COAST	OCEANIA	0	0	0
CANADA EAST COAST	S. AMERICA W.C.	0	1	2
CANADA EAST COAST	U.S. W.C., HAWAII	0	0	0
CANADA WEST COAST	EUROPE	29	81	98
CANADA WEST COAST	S. AMERICA E.C.	0	0	0
CENTRAL AMERICA E.C., W. INDIES	ASIA	19	45	72
CENTRAL AMERICA E.C., W. INDIES	C. AMERICA W.C.	5	11	20
EUROPE	C. AMERICA W.C.	7	12	25
EUROPE	OCEANIA	12	17	28
EUROPE	S. AMERICA W.C.	4	6	13
EUROPE	U.S. W.C., HAWAII	10	26	29
OCEANIA	EUROPE	5	5	6
OCEANIA	S. AMERICA E.C.	0	0	0
S. AMERICA E.C.	ASIA	0	0	0
S. AMERICA E.C.	OCEANIA	0	0	0
S. AMERICA E.C.	C. AMERICA W.C.	16	35	66
S. AMERICA E.C.	U.S. W.C., HAWAII	34	80	129
S. AMERICA W.C.	EUROPE	86	193	315
S. AMERICA W.C.	U.S. EAST COAST	24	11	20
S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	35	75	142
S. AMERICA W.C.	S. AMERICA E.C.	32	70	130
U.S. EAST COAST	ASIA	66	330	514
U.S. EAST COAST	C. AMERICA W.C.	72	113	214
U.S. EAST COAST	OCEANIA	1	4	8

ANNUAL TRADE FLOWS BY COMMODITY AND ROUTE
ALTERNATE CASE: 1)150,000 DWT

ORIGIN	DESTINATION	1990	2020	2060
U.S. EAST COAST	S. AMERICA W.C.	74	21	36
U.S. W.C., HAWAII	AFRICA	0	0	0
U.S. W.C., HAWAII	EUROPE	7	16	16
U.S. W.C., HAWAII	U.S. EAST COAST	12	25	49
TOTAL		729	1,449	2,549
REFRIGERATED CARGO, THOUSAND TONNES				
AFRICA	CANADA WEST COAST	0	0	0
AFRICA	S. AMERICA W.C.	0	1	1
AFRICA	U.S. W.C., HAWAII	0	0	0
ASIA	CENTRAL AMERICA E.C., W. INDIES	24	89	119
ASIA	CANADA EAST COAST	5	5	14
ASIA	S. AMERICA E.C.	2	2	3
ASIA	U.S. EAST COAST	119	333	641
CENTRAL AMERICA E.C., W. INDIES	ASIA	36	37	43
CENTRAL AMERICA E.C., W. INDIES	S. AMERICA W.C.	2	6	11
C. AMERICA W.C.	AFRICA	1	3	7
C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	99	252	557
C. AMERICA W.C.	CANADA EAST COAST	9	2	5
C. AMERICA W.C.	EUROPE	537	987	1,481
C. AMERICA W.C.	S. AMERICA E.C.	58	149	329
C. AMERICA W.C.	U.S. EAST COAST	2	2	4
CANADA EAST COAST	ASIA	54	92	130
CANADA EAST COAST	C. AMERICA W.C.	3	1	2
CANADA EAST COAST	OCEANIA	5	6	15
CANADA EAST COAST	S. AMERICA W.C.	0	0	0
CANADA EAST COAST	U.S. W.C., HAWAII	1	0	1
CANADA WEST COAST	AFRICA	0	0	0
CANADA WEST COAST	EUROPE	31	56	76
CANADA WEST COAST	S. AMERICA E.C.	0	0	0
EUROPE	C. AMERICA W.C.	2	3	4
EUROPE	CANADA WEST COAST	12	16	27
EUROPE	OCEANIA	13	24	42
EUROPE	S. AMERICA W.C.	6	11	24
EUROPE	U.S. W.C., HAWAII	65	95	142
MIDDLE EAST	U.S. W.C., HAWAII	1	3	7
OCEANIA	CENTRAL AMERICA E.C., W. INDIES	46	41	113
OCEANIA	CANADA EAST COAST	56	57	106
OCEANIA	EUROPE	327	860	1,288
OCEANIA	MIDDLE EAST	0	1	4
OCEANIA	S. AMERICA E.C.	6	18	52
OCEANIA	U.S. EAST COAST	470	583	1,058
S. AMERICA E.C.	ASIA	49	115	144
S. AMERICA E.C.	CANADA WEST COAST	0	1	1
S. AMERICA E.C.	OCEANIA	0	0	0
S. AMERICA E.C.	C. AMERICA W.C.	1	2	2
S. AMERICA E.C.	S. AMERICA W.C.	3	8	10
S. AMERICA E.C.	U.S. W.C., HAWAII	1	3	5
S. AMERICA W.C.	AFRICA	25	64	143
S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	43	110	244
S. AMERICA W.C.	MIDDLE EAST	15	17	18
S. AMERICA W.C.	S. AMERICA E.C.	11	28	61
S. AMERICA W.C.	CANADA EAST COAST	1	1	3
S. AMERICA W.C.	EUROPE	1,550	5,316	7,687
S. AMERICA W.C.	U.S. EAST COAST	1,156	2,278	3,885
U.S. EAST COAST	ASIA	269	930	1,518
U.S. EAST COAST	C. AMERICA W.C.	3	6	12
U.S. EAST COAST	OCEANIA	16	25	32
U.S. EAST COAST	S. AMERICA W.C.	4	7	16
U.S. W.C., HAWAII	AFRICA	0	0	0
U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIES	3	8	19
U.S. W.C., HAWAII	CANADA EAST COAST	0	1	1
U.S. W.C., HAWAII	EUROPE	236	949	1,093
U.S. W.C., HAWAII	MIDDLE EAST	2	3	12

ANNUAL CARGO FLOWS BY COMMODITY AND ROUTE
ALTERNATE CASE: 1)150,000 DWT

ORIGIN	DESTINATION	1990	2020	2060
U.S. W.C., HAWAII	S. AMERICA E.C.	5	2	5
U.S. W.C., HAWAII	U.S. EAST COAST	2	3	6
TOTAL		5,389	13,614	21,223
VEHICLES, THOUSAND TONNES				
ASIA	CENTRAL AMERICA E.C., W. INDIES	111	29	107
ASIA	S. AMERICA E.C.	4	6	6
ASIA	U.S. EAST COAST	1,249	1,911	1,404
CENTRAL AMERICA E.C., W. INDIES	C. AMERICA W.C.	1	2	1
CENTRAL AMERICA E.C., W. INDIES	S. AMERICA W.C.	7	18	12
C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	0	2	1
C. AMERICA W.C.	U.S. EAST COAST	5	2	12
CANADA EAST COAST	ASIA	0	1	1
CANADA EAST COAST	S. AMERICA W.C.	1	1	1
EUROPE	C. AMERICA W.C.	9	9	10
EUROPE	CANADA WEST COAST	11	6	11
EUROPE	OCEANIA	18	9	22
EUROPE	S. AMERICA W.C.	12	9	16
EUROPE	U.S. W.C., HAWAII	180	258	179
MIDDLE EAST	S. AMERICA W.C.	1	1	1
OCEANIA	U.S. EAST COAST	0	0	0
S. AMERICA E.C.	ASIA	0	0	0
S. AMERICA E.C.	S. AMERICA W.C.	1	2	1
S. AMERICA E.C.	OCEANIA	0	0	0
S. AMERICA W.C.	EUROPE	0	0	0
S. AMERICA W.C.	S. AMERICA E.C.	0	0	0
S. AMERICA W.C.	U.S. EAST COAST	1	0	2
U.S. EAST COAST	ASIA	9	12	9
U.S. EAST COAST	OCEANIA	10	4	10
U.S. EAST COAST	S. AMERICA W.C.	18	34	22
U.S. W.C., HAWAII	AFRICA	0	0	0
U.S. W.C., HAWAII	EUROPE	0	0	0
TOTAL		1,647	2,317	1,829
MINOR BULKS, THOUSAND TONNES				
AFRICA	S. AMERICA W.C.	3	8	19
AFRICA	U.S. W.C., HAWAII	66	161	296
ASIA	CENTRAL AMERICA E.C., W. INDIES	340	122	109
ASIA	CANADA EAST COAST	135	287	673
ASIA	S. AMERICA E.C.	70	17	23
ASIA	U.S. EAST COAST	4,581	3,636	7,546
CENTRAL AMERICA E.C., W. INDIES	ASIA	1,375	893	1,086
CENTRAL AMERICA E.C., W. INDIES	C. AMERICA W.C.	28	69	168
CENTRAL AMERICA E.C., W. INDIES	CANADA WEST COAST	10	15	30
CENTRAL AMERICA E.C., W. INDIES	OCEANIA	13	19	37
CENTRAL AMERICA E.C., W. INDIES	S. AMERICA W.C.	41	102	240
CENTRAL AMERICA E.C., W. INDIES	U.S. W.C., HAWAII	41	63	55
C. AMERICA W.C.	AFRICA	98	178	263
C. AMERICA W.C.	CANADA EAST COAST	10	4	8
C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	186	447	1,042
C. AMERICA W.C.	EUROPE	295	666	899
C. AMERICA W.C.	S. AMERICA E.C.	76	173	341
C. AMERICA W.C.	U.S. EAST COAST	1,381	1,307	1,965
CANADA EAST COAST	ASIA	713	1,483	2,319
CANADA EAST COAST	C. AMERICA W.C.	10	14	44
CANADA EAST COAST	OCEANIA	16	27	62
CANADA EAST COAST	S. AMERICA W.C.	15	32	91
CANADA WEST COAST	AFRICA	1,347	2,186	3,323
CANADA WEST COAST	CENTRAL AMERICA E.C., W. INDIES	20	24	65
CANADA WEST COAST	EUROPE	2,632	4,403	7,155
CANADA WEST COAST	MIDDLE EAST	259	948	2,827
CANADA WEST COAST	S. AMERICA E.C.	301	424	606
CANADA WEST COAST	U.S. EAST COAST	5	11	19
EUROPE	C. AMERICA W.C.	293	488	997

[illegible] FLOWS BY COMMODITY AND ROUTE
ALTERNATE CASE: 1,150,000 DWT

ORIGIN	DESTINATION	1990	2020	2060
EUROPE	CANADA WEST COAST	170	177	212
EUROPE	OCEANIA	88	137	237
EUROPE	S. AMERICA W.C.	201	246	422
EUROPE	U.S. W.C., HAWAII	794	1,627	2,561
OCEANIA	CANADA EAST COAST	352	460	835
OCEANIA	CENTRAL AMERICA E.C., W. INDIES	195	165	468
OCEANIA	EUROPE	191	277	469
OCEANIA	U.S. EAST COAST	782	1,779	1,911
S. AMERICA E.C.	ASIA	609	1,163	1,179
S. AMERICA E.C.	C. AMERICA W.C.	232	424	746
S. AMERICA E.C.	CANADA WEST COAST	94	74	112
S. AMERICA E.C.	S. AMERICA W.C.	148	309	612
S. AMERICA E.C.	U.S. W.C., HAWAII	969	1,070	1,653
S. AMERICA W.C.	AFRICA	21	60	118
S. AMERICA W.C.	CANADA EAST COAST	6	10	24
S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	73	157	273
S. AMERICA W.C.	EUROPE	2,114	5,701	10,260
S. AMERICA W.C.	MIDDLE EAST	25	28	30
S. AMERICA W.C.	S. AMERICA E.C.	92	225	408
S. AMERICA W.C.	U.S. EAST COAST	1,474	1,026	2,037
U.S. EAST COAST	ASIA	11,073	16,039	24,420
U.S. EAST COAST	C. AMERICA W.C.	291	482	1,432
U.S. EAST COAST	OCEANIA	138	176	399
U.S. EAST COAST	S. AMERICA W.C.	317	449	921
U.S. EAST COAST	U.S. W.C., HAWAII	1	1	1
U.S. W.C., HAWAII	AFRICA	239	941	2,945
U.S. W.C., HAWAII	CANADA EAST COAST	16	31	56
U.S. W.C., HAWAII	EUROPE	1,357	5,510	8,383
U.S. W.C., HAWAII	S. AMERICA E.C.	193	245	397
U.S. W.C., HAWAII	U.S. EAST COAST	191	210	246
TOTAL		36,806	57,404	96,078
CONTAINERIZED CARGO, THOUSAND TONNES				
AFRICA	C. AMERICA W.C.	1	2	4
AFRICA	CANADA WEST COAST	1	1	4
AFRICA	U.S. W.C., HAWAII	3	8	24
ASIA	CANADA EAST COAST	366	682	739
ASIA	CENTRAL AMERICA E.C., W. INDIES	503	2,206	2,945
ASIA	S. AMERICA E.C.	86	67	79
ASIA	U.S. EAST COAST	4,910	11,200	13,000
C. AMERICA W.C.	AFRICA	1	3	7
C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	26	72	133
C. AMERICA W.C.	EUROPE	43	58	87
C. AMERICA W.C.	S. AMERICA E.C.	3	8	15
C. AMERICA W.C.	U.S. EAST COAST	3	3	5
CENTRAL AMERICA E.C., W. INDIES	ASIA	159	103	121
CENTRAL AMERICA E.C., W. INDIES	C. AMERICA W.C.	19	52	95
CENTRAL AMERICA E.C., W. INDIES	CANADA WEST COAST	1	1	2
CENTRAL AMERICA E.C., W. INDIES	OCEANIA	5	10	27
CENTRAL AMERICA E.C., W. INDIES	S. AMERICA W.C.	68	187	343
CENTRAL AMERICA E.C., W. INDIES	U.S. W.C., HAWAII	24	24	53
CANADA EAST COAST	ASIA	218	561	658
CANADA EAST COAST	C. AMERICA W.C.	0	1	2
CANADA EAST COAST	OCEANIA	105	193	374
CANADA EAST COAST	S. AMERICA W.C.	2	4	9
CANADA EAST COAST	U.S. W.C., HAWAII	51	136	246
CANADA WEST COAST	AFRICA	0	0	0
CANADA WEST COAST	EUROPE	241	491	511
CANADA WEST COAST	S. AMERICA E.C.	8	12	30
CANADA WEST COAST	U.S. EAST COAST	0	0	1
EUROPE	C. AMERICA W.C.	29	49	88
EUROPE	CANADA WEST COAST	182	311	336
EUROPE	OCEANIA	575	1,075	1,569
EUROPE	S. AMERICA W.C.	589	924	1,648

ANNUAL CARGO FLOWS BY COMMODITY AND ROUTE
ALTERNATE CASE: 1)150,000 DWT

ORIGIN	DESTINATION	1990	2020	2060
EUROPE	U.S. W.C., HAWAII	1,602	2,900	3,100
MIDDLE EAST	S. AMERICA W.C.	1	1	2
MIDDLE EAST	U.S. W.C., HAWAII	36	112	236
OCEANIA	CANADA EAST COAST	47	81	155
OCEANIA	CENTRAL AMERICA E.C., W. INDIES	13	10	24
OCEANIA	EUROPE	144	322	423
OCEANIA	S. AMERICA E.C.	0	0	1
OCEANIA	U.S. EAST COAST	242	422	614
S. AMERICA E.C.	ASIA	49	67	82
S. AMERICA E.C.	C. AMERICA W.C.	18	50	92
S. AMERICA E.C.	CANADA WEST COAST	27	49	101
S. AMERICA E.C.	OCEANIA	0	0	0
S. AMERICA E.C.	S. AMERICA W.C.	50	140	255
S. AMERICA E.C.	U.S. W.C., HAWAII	94	235	498
S. AMERICA W.C.	CANADA EAST COAST	1	2	2
S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	39	108	198
S. AMERICA W.C.	EUROPE	577	1,489	2,314
S. AMERICA W.C.	S. AMERICA E.C.	16	43	79
S. AMERICA W.C.	U.S. EAST COAST	609	962	2,143
U.S. EAST COAST	ASIA	6,393	17,800	21,800
U.S. EAST COAST	C. AMERICA W.C.	27	75	152
U.S. EAST COAST	OCEANIA	536	1,861	3,567
U.S. EAST COAST	S. AMERICA W.C.	575	1,502	3,096
U.S. EAST COAST	U.S. W.C., HAWAII	26	26	26
U.S. W.C., HAWAII	AFRICA	36	109	320
U.S. W.C., HAWAII	CANADA EAST COAST	3	5	7
U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIES	42	119	254
U.S. W.C., HAWAII	EUROPE	1,290	3,400	3,800
U.S. W.C., HAWAII	MIDDLE EAST	28	100	346
U.S. W.C., HAWAII	S. AMERICA E.C.	12	4	7
U.S. W.C., HAWAII	U.S. EAST COAST	85	172	335
TOTAL		20,840	50,611	67,180
GENERAL CARGO, THOUSAND TONNES				
AFRICA	CANADA WEST COAST	0	1	1
AFRICA	S. AMERICA W.C.	1	2	4
AFRICA	U.S. W.C., HAWAII	1	2	7
ASIA	CENTRAL AMERICA E.C., W. INDIES	598	1,264	2,307
ASIA	CANADA EAST COAST	10	11	18
ASIA	S. AMERICA E.C.	60	106	238
ASIA	U.S. EAST COAST	510	1,376	2,383
C. AMERICA W.C.	AFRICA	7	17	34
C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	17	42	79
C. AMERICA W.C.	EUROPE	176	236	710
C. AMERICA W.C.	S. AMERICA E.C.	2	4	6
C. AMERICA W.C.	U.S. EAST COAST	25	35	74
CENTRAL AMERICA E.C., W. INDIES	ASIA	93	226	370
CENTRAL AMERICA E.C., W. INDIES	C. AMERICA W.C.	8	23	47
CENTRAL AMERICA E.C., W. INDIES	CANADA WEST COAST	24	70	133
CENTRAL AMERICA E.C., W. INDIES	OCEANIA	6	18	35
CENTRAL AMERICA E.C., W. INDIES	S. AMERICA W.C.	49	131	277
CENTRAL AMERICA E.C., W. INDIES	U.S. W.C., HAWAII	22	63	94
CANADA EAST COAST	ASIA	182	544	1,212
CANADA EAST COAST	C. AMERICA W.C.	6	9	22
CANADA EAST COAST	OCEANIA	0	0	0
CANADA EAST COAST	S. AMERICA W.C.	19	31	86
CANADA EAST COAST	U.S. W.C., HAWAII	0	0	0
CANADA WEST COAST	AFRICA	279	1,246	3,976
CANADA WEST COAST	ASIA	3	4	5
CANADA WEST COAST	CENTRAL AMERICA E.C., W. INDIES	38	80	202
CANADA WEST COAST	EUROPE	2,159	5,784	9,837
CANADA WEST COAST	MIDDLE EAST	4	12	25
CANADA WEST COAST	S. AMERICA E.C.	100	166	429
CANADA WEST COAST	U.S. EAST COAST	611	1,705	3,461

ANNUAL TANKER FLOWS BY COMMODITY AND ROUTE
ALTERNATE CASE: 1)150,000 DWT

ORIGIN	DESTINATION	1990	2020	2060
EUROPE	C. AMERICA W.C.	115	248	496
EUROPE	CANADA WEST COAST	72	147	295
EUROPE	OCEANIA	139	318	654
EUROPE	S. AMERICA W.C.	293	647	1,428
EUROPE	U.S. W.C., HAWAII	165	619	978
MIDDLE EAST	S. AMERICA W.C.	1	4	8
MIDDLE EAST	U.S. W.C., HAWAII	2	5	22
OCEANIA	CANADA EAST COAST	1	2	3
OCEANIA	CENTRAL AMERICA E.C., W. INDIES	57	36	82
OCEANIA	EUROPE	45	112	171
OCEANIA	S. AMERICA E.C.	50	95	237
OCEANIA	U.S. EAST COAST	310	457	630
S. AMERICA E.C.	ASIA	648	1,017	1,390
S. AMERICA E.C.	C. AMERICA W.C.	25	55	105
S. AMERICA E.C.	CANADA WEST COAST	34	86	213
S. AMERICA E.C.	OCEANIA	0	1	2
S. AMERICA E.C.	S. AMERICA W.C.	103	284	573
S. AMERICA E.C.	U.S. W.C., HAWAII	65	302	743
S. AMERICA W.C.	AFRICA	90	206	379
S. AMERICA W.C.	CANADA EAST COAST	3	6	14
S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	86	213	458
S. AMERICA W.C.	EUROPE	1,713	3,728	6,447
S. AMERICA W.C.	S. AMERICA E.C.	72	181	357
S. AMERICA W.C.	U.S. EAST COAST	451	637	1,435
U.S. EAST COAST	ASIA	1,271	4,711	7,875
U.S. EAST COAST	C. AMERICA W.C.	51	111	239
U.S. EAST COAST	OCEANIA	90	220	371
U.S. EAST COAST	S. AMERICA W.C.	434	1,246	2,902
U.S. EAST COAST	U.S. W.C., HAWAII	25	60	66
U.S. W.C., HAWAII	AFRICA	118	325	965
U.S. W.C., HAWAII	CANADA EAST COAST	0	2	2
U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIES	1	2	4
U.S. W.C., HAWAII	EUROPE	390	1,081	1,466
U.S. W.C., HAWAII	S. AMERICA E.C.	22	71	89
U.S. W.C., HAWAII	U.S. EAST COAST	29	37	70
TOTAL		11,980	30,477	57,245

ANNUAL CARGO FLOWS BY COMMODITY AND ROUTE
ALTERNATE CASE: 2)200,000 DWT

ORIGIN	DESTINATION	1990	2020	2060
IRON ORE, THOUSAND TONNES				
C. AMERICA W.C.	U.S. EAST COAST	106	195	201
S. AMERICA E.C.	ASIA	103	16,991	8,344
S. AMERICA E.C.	U.S. W.C., HAWAII	47	93	125
S. AMERICA W.C.	EUROPE	107	2,902	1,946
S. AMERICA W.C.	U.S. EAST COAST	195	660	1,449
U.S. EAST COAST	S. AMERICA W.C.	0	0	1
U.S. W.C., HAWAII	EUROPE	23	62	50
CANADA EAST COAST	ASIA	0	1,721	3,034
TOTAL		581	22,624	15,150
BAUXITE/ALUMINA, THOUSAND TONNES				
ASIA	CANADA EAST COAST	17	11	16
ASIA	CENTRAL AMERICA E.C., W. INDIES	2	1	1
ASIA	S. AMERICA E.C.	22	139	152
ASIA	U.S. EAST COAST	475	1,649	2,688
CENTRAL AMERICA E.C., W. INDIES	U.S. W.C., HAWAII	122	199	265
OCEANIA	CANADA EAST COAST	65	199	22
OCEANIA	S. AMERICA E.C.	479	662	86
OCEANIA	U.S. EAST COAST	1,585	4,882	537
S. AMERICA E.C.	ASIA	76	1,603	1,475
S. AMERICA E.C.	CANADA WEST COAST	3	10	7
S. AMERICA E.C.	S. AMERICA W.C.	15	45	58
S. AMERICA E.C.	U.S. W.C., HAWAII	35	68	92
U.S. EAST COAST	ASIA	9	15	6
U.S. EAST COAST	OCEANIA	3	5	2
U.S. EAST COAST	S. AMERICA W.C.	1	0	0
TOTAL		2,906	9,489	5,407
CRUDE PETROLEUM, THOUSAND TONNES				
CANADA WEST COAST	U.S. EAST COAST	182	232	223
CENTRAL AMERICA E.C., W. INDIES	C. AMERICA W.C.	409	539	116
CENTRAL AMERICA E.C., W. INDIES	S. AMERICA W.C.	105	138	30
CENTRAL AMERICA E.C., W. INDIES	U.S. W.C., HAWAII	80	71	89
S. AMERICA E.C.	ASIA	0	14,000	14,000
S. AMERICA E.C.	C. AMERICA W.C.	1,004	1,617	1,747
S. AMERICA E.C.	S. AMERICA W.C.	924	1,215	261
S. AMERICA E.C.	U.S. W.C., HAWAII	286	376	81
S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	4,743	611	0
S. AMERICA W.C.	U.S. EAST COAST	1,620	209	0
U.S. EAST COAST	S. AMERICA W.C.	0	0	0
U.S. EAST COAST	U.S. W.C., HAWAII	91	0	0
U.S. W.C., HAWAII	U.S. EAST COAST	176	0	0
TOTAL		9,621	19,008	16,548
COAL & COKE, THOUSAND TONNES				
ASIA	CENTRAL AMERICA E.C., W. INDIES	18	53	79
ASIA	U.S. EAST COAST	724	876	1,734
CANADA EAST COAST	S. AMERICA W.C.	127	27	25
CANADA WEST COAST	EUROPE	2,070	2,594	1,839
CANADA WEST COAST	S. AMERICA E.C.	55	851	898
OCEANIA	EUROPE	15	27	35
OCEANIA	U.S. EAST COAST	170	289	348
S. AMERICA E.C.	ASIA	35	410	495
S. AMERICA E.C.	S. AMERICA W.C.	228	691	895
U.S. EAST COAST	ASIA	4,717	56,967	75,051
U.S. EAST COAST	OCEANIA	122	376	442
U.S. EAST COAST	S. AMERICA W.C.	362	300	619
U.S. W.C., HAWAII	CANADA EAST COAST	137	226	188
U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIES	22	47	30
U.S. W.C., HAWAII	EUROPE	2,158	32	26
U.S. W.C., HAWAII	S. AMERICA E.C.	17	53	66
TOTAL		10,978	63,818	82,772

ANNUAL CARGO FLOWS BY COMMODITY AND ROUTE
ALTERNATE CASE: 2)200,000 DWT

ORIGIN	DESTINATION	1990	2020	2060
BULK GRAINS, THOUSAND TONNES				
AFRICA	C. AMERICA W.C.	14	33	65
AFRICA	S. AMERICA W.C.	14	34	66
ASIA	CENTRAL AMERICA E.C., W. INDIES	3	8	11
C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	64	159	311
CANADA EAST COAST	ASIA	213	478	1,248
CANADA EAST COAST	C. AMERICA W.C.	11	9	20
CANADA EAST COAST	S. AMERICA W.C.	3	1	1
CANADA WEST COAST	AFRICA	90	239	1,034
CANADA WEST COAST	EUROPE	31	22	18
CANADA WEST COAST	S. AMERICA E.C.	52	136	331
EUROPE	S. AMERICA W.C.	17	22	40
EUROPE	C. AMERICA W.C.	29	32	66
EUROPE	OCEANIA	2	2	3
S. AMERICA E.C.	ASIA	44	151	182
S. AMERICA W.C.	EUROPE	0	1	1
U.S. EAST COAST	ASIA	18,567	31,008	39,894
U.S. EAST COAST	C. AMERICA W.C.	1,912	7,093	15,811
U.S. EAST COAST	OCEANIA	6	17	20
U.S. EAST COAST	S. AMERICA W.C.	1,333	1,105	2,277
U.S. W.C., HAWAII	AFRICA	1,032	3,562	5,307
U.S. W.C., HAWAII	EUROPE	91	244	196
TOTAL		23,528	44,356	66,902
FERTILIZERS, THOUSAND TONNES				
AFRICA	CANADA WEST COAST	787	1,354	7,629
AFRICA	C. AMERICA W.C.	225	549	1,362
AFRICA	S. AMERICA W.C.	52	128	1,293
ASIA	CENTRAL AMERICA E.C., W. INDIES	7	3	2
ASIA	S. AMERICA E.C.	1	13	19
C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	256	616	1,434
C. AMERICA W.C.	S. AMERICA E.C.	5	11	21
CANADA EAST COAST	ASIA	193	402	628
CANADA EAST COAST	OCEANIA	15	26	60
CANADA EAST COAST	S. AMERICA W.C.	69	141	406
CANADA WEST COAST	CENTRAL AMERICA E.C., W. INDIES	38	46	124
CANADA WEST COAST	EUROPE	62	146	191
CANADA WEST COAST	S. AMERICA E.C.	35	49	70
CENTRAL AMERICA E.C., W. INDIES	ASIA	174	113	137
CENTRAL AMERICA E.C., W. INDIES	C. AMERICA W.C.	307	745	1,817
CENTRAL AMERICA E.C., W. INDIES	S. AMERICA W.C.	146	358	301
EUROPE	CANADA WEST COAST	17	17	21
EUROPE	C. AMERICA W.C.	311	519	1,059
EUROPE	U.S. W.C., HAWAII	327	671	1,056
EUROPE	S. AMERICA W.C.	367	451	108
EUROPE	OCEANIA	41	65	5
MIDDLE EAST	S. AMERICA W.C.	35	52	104
S. AMERICA E.C.	ASIA	149	284	288
S. AMERICA E.C.	C. AMERICA W.C.	12	22	39
S. AMERICA E.C.	S. AMERICA W.C.	99	205	406
S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	3	7	12
S. AMERICA W.C.	CANADA EAST COAST	3	6	14
S. AMERICA W.C.	EUROPE	189	510	137
S. AMERICA W.C.	U.S. EAST COAST	225	157	311
S. AMERICA W.C.	S. AMERICA E.C.	0	1	1
U.S. EAST COAST	C. AMERICA W.C.	1,333	107	89
U.S. EAST COAST	ASIA	5,920	237	111
U.S. EAST COAST	CANADA WEST COAST	164	25	23
U.S. EAST COAST	S. AMERICA W.C.	450	13	6
U.S. EAST COAST	OCEANIA	964	77	60
U.S. W.C., HAWAII	AFRICA	27	105	328
U.S. W.C., HAWAII	MIDDLE EAST	0	0	0
TOTAL		13,009	8,229	19,674

ANNUAL TRADE FLOWS BY COMMODITY AND ROUTE
ALTERNATE CASE: 2)200,000 DWT

ORIGIN	DESTINATION	1990	2020	2060
BULK CHEMICALS, THOUSAND TONNES				
AFRICA	S. AMERICA W.C.	12	32	58
ASIA	CENTRAL AMERICA E.C., W. INDIES	4	9	12
ASIA	S. AMERICA E.C.	0	0	0
ASIA	U.S. EAST COAST	125	419	480
CANADA WEST COAST	EUROPE	4	6	8
CANADA WEST COAST	U.S. EAST COAST	216	725	1,013
CENTRAL AMERICA E.C., W. INDIES	ASIA	195	312	370
CENTRAL AMERICA E.C., W. INDIES	C. AMERICA W.C.	3	7	13
CENTRAL AMERICA E.C., W. INDIES	S. AMERICA W.C.	1	3	5
CENTRAL AMERICA E.C., W. INDIES	U.S. W.C., HAWAII	6	10	15
C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	8	22	41
C. AMERICA W.C.	S. AMERICA E.C.	7	19	35
C. AMERICA W.C.	U.S. EAST COAST	145	344	695
EUROPE	CANADA WEST COAST	0	0	0
EUROPE	C. AMERICA W.C.	24	43	71
EUROPE	OCEANIA	126	206	293
EUROPE	S. AMERICA W.C.	60	110	174
EUROPE	U.S. W.C., HAWAII	5	19	35
OCEANIA	CANADA EAST COAST	0	0	0
OCEANIA	EUROPE	31	169	281
OCEANIA	S. AMERICA E.C.	0	0	0
OCEANIA	U.S. EAST COAST	1	5	13
S. AMERICA E.C.	ASIA	8	24	30
S. AMERICA E.C.	S. AMERICA W.C.	26	71	132
S. AMERICA E.C.	CANADA WEST COAST	0	0	0
S. AMERICA E.C.	OCEANIA	0	0	0
S. AMERICA E.C.	U.S. W.C., HAWAII	0	0	0
S. AMERICA W.C.	CANADA EAST COAST	0	0	0
S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	0	0	0
S. AMERICA W.C.	EUROPE	21	51	75
S. AMERICA W.C.	S. AMERICA E.C.	1	2	0
S. AMERICA W.C.	U.S. EAST COAST	82	62	187
U.S. EAST COAST	ASIA	4,109	17,095	25,889
U.S. EAST COAST	CANADA WEST COAST	46	41	68
U.S. EAST COAST	C. AMERICA W.C.	30	50	86
U.S. EAST COAST	OCEANIA	704	451	662
U.S. EAST COAST	S. AMERICA W.C.	258	423	609
U.S. EAST COAST	U.S. W.C., HAWAII	600	1,927	2,161
U.S. WEST COAST	AFRICA	0	0	0
U.S. WEST COAST	CANADA EAST COAST	0	0	0
U.S. W.C., HAWAII	EUROPE	56	201	252
U.S. W.C., HAWAII	S. AMERICA E.C.	10	4	6
U.S. W.C., HAWAII	U.S. EAST COAST	44	58	86
TOTAL		6,967	22,920	33,857
PETROLEUM PRODUCTS, THOUSAND TONNES				
AFRICA	U.S. WEST COAST	54	0	0
ASIA	CENTRAL AMERICA E.C., W. INDIES	5	1	1
ASIA	S. AMERICA E.C.	0	0	0
ASIA	U.S. EAST COAST	83	0	0
CENTRAL AMERICA E.C., W. INDIES	ASIA	195	161	54
CENTRAL AMERICA E.C., W. INDIES	C. AMERICA W.C.	532	2,625	1,330
CENTRAL AMERICA E.C., W. INDIES	S. AMERICA W.C.	531	1,072	1,143
CENTRAL AMERICA E.C., W. INDIES	U.S. W.C., HAWAII	937	652	141
C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	33	54	28
C. AMERICA W.C.	S. AMERICA E.C.	3	8	13
C. AMERICA W.C.	U.S. EAST COAST	5	0	0
CANADA EAST COAST	ASIA	145	392	706
CANADA EAST COAST	S. AMERICA W.C.	0	0	0
CANADA WEST COAST	EUROPE	0	0	0
CANADA WEST COAST	S. AMERICA E.C.	0	0	0
CANADA WEST COAST	U.S. EAST COAST	39	37	59

ANNUAL CARGO FLOWS BY COMMODITY AND ROUTE
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ORIGIN	DESTINATION	1990	2020	2060
EUROPE	C. AMERICA W.C.	29	44	62
EUROPE	CANADA WEST COAST	0	0	0
EUROPE	S. AMERICA W.C.	423	13	21
EUROPE	U.S. WEST COAST	352	171	53
EUROPE	OCEANIA	8	0	0
MIDDLE EAST	U.S. W.C., HAWAII	34	0	0
OCEANIA	CENTRAL AMERICA E.C., W. INDIES	1	0	0
OCEANIA	U.S. EAST COAST	144	102	64
S. AMERICA E.C.	ASIA	183	151	51
S. AMERICA E.C.	C. AMERICA W.C.	560	2,763	1,400
S. AMERICA E.C.	CANADA WEST COAST	0	0	0
S. AMERICA E.C.	S. AMERICA W.C.	501	1,126	572
S. AMERICA E.C.	U.S. WEST COAST	707	1,591	808
S. AMERICA W.C.	CANADA EAST COAST	27	30	0
S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	605	1,002	508
S. AMERICA W.C.	EUROPE	27	0	0
S. AMERICA W.C.	S. AMERICA E.C.	6	10	5
S. AMERICA W.C.	U.S. EAST COAST	2,157	1,501	462
U.S. EAST COAST	ASIA	1,531	1,110	7
U.S. EAST COAST	C. AMERICA W.C.	614	606	204
U.S. EAST COAST	CANADA WEST COAST	0	0	0
U.S. EAST COAST	OCEANIA	201	156	0
U.S. EAST COAST	S. AMERICA W.C.	224	224	75
U.S. EAST COAST	U.S. W.C., HAWAII	679	580	250
U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIES	324	338	108
U.S. WEST COAST	CANADA EAST COAST	34	21	0
U.S. WEST COAST	EUROPE	17	0	0
U.S. WEST COAST	S. AMERICA E.C.	86	86	29
U.S. W.C., HAWAII	U.S. EAST COAST	456	366	157
TOTAL		12,490	16,995	8,311
OILS AND FATS, THOUSAND TONNES				
ASIA	CANADA EAST COAST	1	4	4
ASIA	CENTRAL AMERICA E.C., W. INDIES	28	28	42
ASIA	S. AMERICA E.C.	7	16	23
ASIA	U.S. EAST COAST	117	184	476
C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	14	28	54
C. AMERICA W.C.	EUROPE	6	10	13
C. AMERICA W.C.	U.S. EAST COAST	3	1	1
CANADA EAST COAST	ASIA	0	0	0
CANADA EAST COAST	C. AMERICA W.C.	1	1	3
CANADA EAST COAST	OCEANIA	0	0	0
CANADA EAST COAST	S. AMERICA W.C.	0	1	2
CANADA EAST COAST	U.S. W.C., HAWAII	0	0	0
CANADA WEST COAST	EUROPE	29	81	98
CANADA WEST COAST	S. AMERICA E.C.	0	0	0
CENTRAL AMERICA E.C., W. INDIES	ASIA	19	45	72
CENTRAL AMERICA E.C., W. INDIES	C. AMERICA W.C.	5	11	20
EUROPE	C. AMERICA W.C.	7	12	25
EUROPE	OCEANIA	12	17	28
EUROPE	S. AMERICA W.C.	4	6	13
EUROPE	U.S. W.C., HAWAII	10	26	29
OCEANIA	EUROPE	5	5	6
OCEANIA	S. AMERICA E.C.	0	0	0
S. AMERICA E.C.	ASIA	0	0	0
S. AMERICA E.C.	OCEANIA	0	0	0
S. AMERICA E.C.	C. AMERICA W.C.	16	35	66
S. AMERICA E.C.	U.S. W.C., HAWAII	34	80	129
S. AMERICA W.C.	EUROPE	86	193	315
S. AMERICA W.C.	U.S. EAST COAST	24	11	20
S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	35	75	142
S. AMERICA W.C.	S. AMERICA E.C.	32	70	130
U.S. EAST COAST	ASIA	66	330	514

[illegible] TRADE FLOWS BY COMMODITY AND ROUTE
ALTERNATE CASE: 20,000,000 DWT

ORIGIN	DESTINATION	1990	2020	2060
U.S. EAST COAST	C. AMERICA W.C.	72	113	214
U.S. EAST COAST	OCEANIA	1	4	8
U.S. EAST COAST	S. AMERICA W.C.	74	21	36
U.S. W.C., HAWAII	AFRICA	0	0	0
U.S. W.C., HAWAII	EUROPE	7	16	16
U.S. W.C., HAWAII	U.S. EAST COAST	12	25	49
TOTAL		729	1,449	2,549
REFRIGERATED CARGO, THOUSAND TONNES				
AFRICA	CANADA WEST COAST	0	0	0
AFRICA	S. AMERICA W.C.	0	1	1
AFRICA	U.S. W.C., HAWAII	0	0	0
ASIA	CENTRAL AMERICA E.C., W. INDIES	24	89	119
ASIA	CANADA EAST COAST	5	5	14
ASIA	S. AMERICA E.C.	2	2	3
ASIA	U.S. EAST COAST	119	333	641
CENTRAL AMERICA E.C., W. INDIES	ASIA	36	37	43
CENTRAL AMERICA E.C., W. INDIES	S. AMERICA W.C.	2	6	11
C. AMERICA W.C.	AFRICA	1	3	7
C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	99	252	557
C. AMERICA W.C.	CANADA EAST COAST	9	2	5
C. AMERICA W.C.	EUROPE	537	987	1,481
C. AMERICA W.C.	S. AMERICA E.C.	58	149	329
C. AMERICA W.C.	U.S. EAST COAST	2	2	4
CANADA EAST COAST	ASIA	54	92	130
CANADA EAST COAST	C. AMERICA W.C.	3	1	2
CANADA EAST COAST	OCEANIA	5	6	15
CANADA EAST COAST	S. AMERICA W.C.	0	0	0
CANADA EAST COAST	U.S. W.C., HAWAII	1	0	1
CANADA WEST COAST	AFRICA	0	0	0
CANADA WEST COAST	EUROPE	31	56	76
CANADA WEST COAST	S. AMERICA E.C.	0	0	0
EUROPE	C. AMERICA W.C.	2	3	4
EUROPE	CANADA WEST COAST	12	16	27
EUROPE	OCEANIA	13	24	42
EUROPE	S. AMERICA W.C.	6	11	24
EUROPE	U.S. W.C., HAWAII	65	95	142
MIDDLE EAST	U.S. W.C., HAWAII	1	3	7
OCEANIA	CENTRAL AMERICA E.C., W. INDIES	46	41	113
OCEANIA	CANADA EAST COAST	56	57	106
OCEANIA	EUROPE	327	860	1,288
OCEANIA	MIDDLE EAST	0	1	4
OCEANIA	S. AMERICA E.C.	6	18	52
OCEANIA	U.S. EAST COAST	470	583	1,058
S. AMERICA E.C.	ASIA	49	115	144
S. AMERICA E.C.	CANADA WEST COAST	0	1	1
S. AMERICA E.C.	OCEANIA	0	0	0
S. AMERICA E.C.	C. AMERICA W.C.	1	2	2
S. AMERICA E.C.	S. AMERICA W.C.	3	8	10
S. AMERICA E.C.	U.S. W.C., HAWAII	1	3	5
S. AMERICA W.C.	AFRICA	25	64	143
S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	43	110	244
S. AMERICA W.C.	MIDDLE EAST	15	17	18
S. AMERICA W.C.	S. AMERICA E.C.	11	28	61
S. AMERICA W.C.	CANADA EAST COAST	1	1	3
S. AMERICA W.C.	EUROPE	1,550	5,316	7,687
S. AMERICA W.C.	U.S. EAST COAST	1,156	2,278	3,885
U.S. EAST COAST	ASIA	269	930	1,518
U.S. EAST COAST	C. AMERICA W.C.	3	6	12
U.S. EAST COAST	OCEANIA	16	25	32
U.S. EAST COAST	S. AMERICA W.C.	4	7	16
U.S. W.C., HAWAII	AFRICA	0	0	0
U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIES	3	8	19

ANNUAL CARGO FLOWS BY COMMODITY AND ROUTE
ALTERNATE CASE: 2)200,000 DWT

ORIGIN	DESTINATION	1990	2020	2060
U.S. W.C., HAWAII	CANADA EAST COAST	0	1	1
U.S. W.C., HAWAII	EUROPE	236	949	1,093
U.S. W.C., HAWAII	MIDDLE EAST	2	3	12
U.S. W.C., HAWAII	S. AMERICA E.C.	5	2	5
U.S. W.C., HAWAII	U.S. EAST COAST	2	3	6
TOTAL		5,389	13,614	21,223
VEHICLES, THOUSAND TONNES				
ASIA	CENTRAL AMERICA E.C., W. INDIES	111	29	107
ASIA	S. AMERICA E.C.	4	6	6
ASIA	U.S. EAST COAST	1,249	1,911	1,404
CENTRAL AMERICA E.C., W. INDIES	C. AMERICA W.C.	1	2	1
CENTRAL AMERICA E.C., W. INDIES	S. AMERICA W.C.	7	18	12
C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	0	2	1
C. AMERICA W.C.	U.S. EAST COAST	5	2	12
CANADA EAST COAST	ASIA	0	1	1
CANADA EAST COAST	S. AMERICA W.C.	1	1	1
EUROPE	C. AMERICA W.C.	9	9	10
EUROPE	CANADA WEST COAST	11	6	11
EUROPE	OCEANIA	18	9	22
EUROPE	S. AMERICA W.C.	12	9	16
EUROPE	U.S. W.C., HAWAII	180	258	179
MIDDLE EAST	S. AMERICA W.C.	1	1	1
OCEANIA	U.S. EAST COAST	0	0	0
S. AMERICA E.C.	ASIA	0	0	0
S. AMERICA E.C.	S. AMERICA W.C.	1	2	1
S. AMERICA E.C.	OCEANIA	0	0	0
S. AMERICA W.C.	EUROPE	0	0	0
S. AMERICA W.C.	S. AMERICA E.C.	0	0	0
S. AMERICA W.C.	U.S. EAST COAST	1	0	2
U.S. EAST COAST	ASIA	9	12	9
U.S. EAST COAST	OCEANIA	10	4	10
U.S. EAST COAST	S. AMERICA W.C.	18	34	22
U.S. W.C., HAWAII	AFRICA	0	0	0
U.S. W.C., HAWAII	EUROPE	0	0	0
TOTAL		1,647	2,317	1,829
MINOR BULKS, THOUSAND TONNES				
AFRICA	S. AMERICA W.C.	3	8	19
AFRICA	U.S. W.C., HAWAII	66	161	296
ASIA	CENTRAL AMERICA E.C., W. INDIES	340	122	109
ASIA	CANADA EAST COAST	135	287	673
ASIA	S. AMERICA E.C.	70	17	23
ASIA	U.S. EAST COAST	4,581	3,636	7,546
CENTRAL AMERICA E.C., W. INDIES	ASIA	1,375	893	1,086
CENTRAL AMERICA E.C., W. INDIES	C. AMERICA W.C.	28	69	168
CENTRAL AMERICA E.C., W. INDIES	CANADA WEST COAST	10	15	30
CENTRAL AMERICA E.C., W. INDIES	OCEANIA	13	19	37
CENTRAL AMERICA E.C., W. INDIES	S. AMERICA W.C.	41	102	240
CENTRAL AMERICA E.C., W. INDIES	U.S. W.C., HAWAII	41	63	55
C. AMERICA W.C.	AFRICA	98	178	263
C. AMERICA W.C.	CANADA EAST COAST	10	4	8
C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	186	447	1,042
C. AMERICA W.C.	EUROPE	295	666	899
C. AMERICA W.C.	S. AMERICA E.C.	76	173	341
C. AMERICA W.C.	U.S. EAST COAST	1,381	1,307	1,965
CANADA EAST COAST	ASIA	713	1,483	2,319
CANADA EAST COAST	C. AMERICA W.C.	10	14	44
CANADA EAST COAST	OCEANIA	16	27	62
CANADA EAST COAST	S. AMERICA W.C.	15	32	91
CANADA WEST COAST	AFRICA	1,347	2,186	3,323
CANADA WEST COAST	CENTRAL AMERICA E.C., W. INDIES	20	24	65
CANADA WEST COAST	EUROPE	2,632	4,403	7,155

ANNUAL TRADE FLOWS BY COMMODITY AND ROUTE
ALTERNATE CASE: 20,000,000 DWT

ORIGIN	DESTINATION	1990	2020	2060
CANADA WEST COAST	MIDDLE EAST	259	948	2,827
CANADA WEST COAST	S. AMERICA E.C.	301	424	606
CANADA WEST COAST	U.S. EAST COAST	5	11	19
EUROPE	C. AMERICA W.C.	293	488	997
EUROPE	CANADA WEST COAST	170	177	212
EUROPE	OCEANIA	88	137	237
EUROPE	S. AMERICA W.C.	201	246	422
EUROPE	U.S. W.C., HAWAII	794	1,627	2,561
OCEANIA	CANADA EAST COAST	352	460	835
OCEANIA	CENTRAL AMERICA E.C., W. INDIES	195	165	468
OCEANIA	EUROPE	191	277	469
OCEANIA	U.S. EAST COAST	782	1,779	1,911
S. AMERICA E.C.	ASIA	609	1,163	1,179
S. AMERICA E.C.	C. AMERICA W.C.	232	424	746
S. AMERICA E.C.	CANADA WEST COAST	94	74	112
S. AMERICA E.C.	S. AMERICA W.C.	148	309	612
S. AMERICA E.C.	U.S. W.C., HAWAII	969	1,070	1,653
S. AMERICA W.C.	AFRICA	21	60	118
S. AMERICA W.C.	CANADA EAST COAST	6	10	24
S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	73	157	273
S. AMERICA W.C.	EUROPE	2,114	5,701	10,260
S. AMERICA W.C.	MIDDLE EAST	25	28	30
S. AMERICA W.C.	S. AMERICA E.C.	92	225	408
S. AMERICA W.C.	U.S. EAST COAST	1,474	1,026	2,037
U.S. EAST COAST	ASIA	11,073	16,039	24,420
U.S. EAST COAST	C. AMERICA W.C.	291	482	1,432
U.S. EAST COAST	OCEANIA	138	176	399
U.S. EAST COAST	S. AMERICA W.C.	317	449	921
U.S. EAST COAST	U.S. W.C., HAWAII	1	1	1
U.S. W.C., HAWAII	AFRICA	239	941	2,945
U.S. W.C., HAWAII	CANADA EAST COAST	16	31	56
U.S. W.C., HAWAII	EUROPE	1,357	5,510	8,383
U.S. W.C., HAWAII	S. AMERICA E.C.	193	245	397
U.S. W.C., HAWAII	U.S. EAST COAST	191	210	246
TOTAL		36,806	57,404	96,078
CONTAINERIZED CARGO, THOUSAND TONNES				
AFRICA	C. AMERICA W.C.	1	2	4
AFRICA	CANADA WEST COAST	1	1	4
AFRICA	U.S. W.C., HAWAII	3	8	24
ASIA	CANADA EAST COAST	366	682	739
ASIA	CENTRAL AMERICA E.C., W. INDIES	503	2,206	2,945
ASIA	S. AMERICA E.C.	86	67	79
ASIA	U.S. EAST COAST	4,910	11,200	13,000
C. AMERICA W.C.	AFRICA	1	3	7
C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	26	72	133
C. AMERICA W.C.	EUROPE	43	58	87
C. AMERICA W.C.	S. AMERICA E.C.	3	8	15
C. AMERICA W.C.	U.S. EAST COAST	3	3	5
CENTRAL AMERICA E.C., W. INDIES	ASIA	159	103	121
CENTRAL AMERICA E.C., W. INDIES	C. AMERICA W.C.	19	52	95
CENTRAL AMERICA E.C., W. INDIES	CANADA WEST COAST	1	1	2
CENTRAL AMERICA E.C., W. INDIES	OCEANIA	5	10	27
CENTRAL AMERICA E.C., W. INDIES	S. AMERICA W.C.	68	187	343
CENTRAL AMERICA E.C., W. INDIES	U.S. W.C., HAWAII	24	24	53
CANADA EAST COAST	ASIA	218	561	658
CANADA EAST COAST	C. AMERICA W.C.	0	1	2
CANADA EAST COAST	OCEANIA	105	193	374
CANADA EAST COAST	S. AMERICA W.C.	2	4	9
CANADA EAST COAST	U.S. W.C., HAWAII	51	136	246
CANADA WEST COAST	AFRICA	0	0	0
CANADA WEST COAST	EUROPE	241	491	511
CANADA WEST COAST	S. AMERICA E.C.	8	12	30

ANNUAL CARGO FLOWS BY COMMODITY AND ROUTE
ALTERNATE CASE: 2)200,000 DWT

ORIGIN	DESTINATION	1990	2020	2060
CANADA WEST COAST	U.S. EAST COAST	0	0	1
EUROPE	C. AMERICA W.C.	29	49	88
EUROPE	CANADA WEST COAST	182	311	336
EUROPE	OCEANIA	575	1,075	1,569
EUROPE	S. AMERICA W.C.	589	924	1,648
EUROPE	U.S. W.C., HAWAII	1,602	2,900	3,100
MIDDLE EAST	S. AMERICA W.C.	1	1	2
MIDDLE EAST	U.S. W.C., HAWAII	36	112	236
OCEANIA	CANADA EAST COAST	47	81	155
OCEANIA	CENTRAL AMERICA E.C., W. INDIES	13	10	24
OCEANIA	EUROPE	144	322	423
OCEANIA	S. AMERICA E.C.	0	0	1
OCEANIA	U.S. EAST COAST	242	422	614
S. AMERICA E.C.	ASIA	49	67	82
S. AMERICA E.C.	C. AMERICA W.C.	18	50	92
S. AMERICA E.C.	CANADA WEST COAST	27	49	101
S. AMERICA E.C.	OCEANIA	0	0	0
S. AMERICA E.C.	S. AMERICA W.C.	50	140	255
S. AMERICA E.C.	U.S. W.C., HAWAII	94	235	498
S. AMERICA W.C.	CANADA EAST COAST	1	2	2
S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	39	108	198
S. AMERICA W.C.	EUROPE	577	1,489	2,314
S. AMERICA W.C.	S. AMERICA E.C.	16	43	79
S. AMERICA W.C.	U.S. EAST COAST	609	962	2,143
U.S. EAST COAST	ASIA	6,393	17,800	21,800
U.S. EAST COAST	C. AMERICA W.C.	27	75	152
U.S. EAST COAST	OCEANIA	536	1,861	3,567
U.S. EAST COAST	S. AMERICA W.C.	575	1,502	3,096
U.S. EAST COAST	U.S. W.C., HAWAII	26	26	26
U.S. W.C., HAWAII	AFRICA	36	109	320
U.S. W.C., HAWAII	CANADA EAST COAST	3	5	7
U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIES	42	119	254
U.S. W.C., HAWAII	EUROPE	1,290	3,400	3,800
U.S. W.C., HAWAII	MIDDLE EAST	28	100	346
U.S. W.C., HAWAII	S. AMERICA E.C.	12	4	7
U.S. W.C., HAWAII	U.S. EAST COAST	85	172	335
TOTAL		20,840	50,611	67,180

GENERAL CARGO, THOUSAND TONNES

AFRICA	CANADA WEST COAST	0	1	1
AFRICA	S. AMERICA W.C.	1	2	4
AFRICA	U.S. W.C., HAWAII	1	2	7
ASIA	CENTRAL AMERICA E.C., W. INDIES	598	1,264	2,307
ASIA	CANADA EAST COAST	10	11	18
ASIA	S. AMERICA E.C.	60	106	238
ASIA	U.S. EAST COAST	510	1,376	2,383
C. AMERICA W.C.	AFRICA	7	17	34
C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	17	42	79
C. AMERICA W.C.	EUROPE	176	236	710
C. AMERICA W.C.	S. AMERICA E.C.	2	4	6
C. AMERICA W.C.	U.S. EAST COAST	25	35	74
CENTRAL AMERICA E.C., W. INDIES	ASIA	93	226	370
CENTRAL AMERICA E.C., W. INDIES	C. AMERICA W.C.	8	23	47
CENTRAL AMERICA E.C., W. INDIES	CANADA WEST COAST	24	70	133
CENTRAL AMERICA E.C., W. INDIES	OCEANIA	6	18	35
CENTRAL AMERICA E.C., W. INDIES	S. AMERICA W.C.	49	131	277
CENTRAL AMERICA E.C., W. INDIES	U.S. W.C., HAWAII	22	63	94
CANADA EAST COAST	ASIA	182	544	1,212
CANADA EAST COAST	C. AMERICA W.C.	6	9	22
CANADA EAST COAST	OCEANIA	0	0	0
CANADA EAST COAST	S. AMERICA W.C.	19	31	86
CANADA EAST COAST	U.S. W.C., HAWAII	0	0	0
CANADA WEST COAST	AFRICA	279	1,246	3,976

ANNUAL CARGO FLOWS BY COMMODITY AND ROUTE
ALTERNATE CASE: 2)200,000 DWT

ORIGIN	DESTINATION	1990	2020	2060
CANADA WEST COAST	ASIA	3	4	5
CANADA WEST COAST	CENTRAL AMERICA E.C., W. INDIES	38	80	202
CANADA WEST COAST	EUROPE	2,159	5,784	9,837
CANADA WEST COAST	MIDDLE EAST	4	12	25
CANADA WEST COAST	S. AMERICA E.C.	100	166	429
CANADA WEST COAST	U.S. EAST COAST	611	1,705	3,461
EUROPE	C. AMERICA W.C.	115	248	496
EUROPE	CANADA WEST COAST	72	147	295
EUROPE	OCEANIA	139	318	654
EUROPE	S. AMERICA W.C.	293	647	1,428
EUROPE	U.S. W.C., HAWAII	165	619	978
MIDDLE EAST	S. AMERICA W.C.	1	4	8
MIDDLE EAST	U.S. W.C., HAWAII	2	5	22
OCEANIA	CANADA EAST COAST	1	2	3
OCEANIA	CENTRAL AMERICA E.C., W. INDIES	57	36	82
OCEANIA	EUROPE	45	112	171
OCEANIA	S. AMERICA E.C.	50	95	237
OCEANIA	U.S. EAST COAST	310	457	630
S. AMERICA E.C.	ASIA	648	1,017	1,390
S. AMERICA E.C.	C. AMERICA W.C.	25	55	105
S. AMERICA E.C.	CANADA WEST COAST	34	86	213
S. AMERICA E.C.	OCEANIA	0	1	2
S. AMERICA E.C.	S. AMERICA W.C.	103	284	573
S. AMERICA E.C.	U.S. W.C., HAWAII	65	302	743
S. AMERICA W.C.	AFRICA	90	206	379
S. AMERICA W.C.	CANADA EAST COAST	3	6	14
S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	86	213	458
S. AMERICA W.C.	EUROPE	1,713	3,728	6,447
S. AMERICA W.C.	S. AMERICA E.C.	72	181	357
S. AMERICA W.C.	U.S. EAST COAST	451	637	1,435
U.S. EAST COAST	ASIA	1,271	4,711	7,875
U.S. EAST COAST	C. AMERICA W.C.	51	111	239
U.S. EAST COAST	OCEANIA	90	220	371
U.S. EAST COAST	S. AMERICA W.C.	434	1,246	2,902
U.S. EAST COAST	U.S. W.C., HAWAII	25	60	66
U.S. W.C., HAWAII	AFRICA	118	325	965
U.S. W.C., HAWAII	CANADA EAST COAST	0	2	2
U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIES	1	2	4
U.S. W.C., HAWAII	EUROPE	390	1,081	1,466
U.S. W.C., HAWAII	S. AMERICA E.C.	22	71	89
U.S. W.C., HAWAII	U.S. EAST COAST	29	37	70
TOTAL		11,980	30,477	57,245

ANNUAL CARGO FLOWS BY COMMODITY AND ROUTE
ALTERNATE CASE: 3)250,000 DWT

ORIGIN	DESTINATION	1990	2020	2060
IRON ORE, THOUSAND TONNES				
C. AMERICA W.C.	U.S. EAST COAST	106	195	201
S. AMERICA E.C.	ASIA	103	23,512	20,198
S. AMERICA E.C.	U.S. W.C., HAWAII	47	93	125
S. AMERICA W.C.	EUROPE	107	2,902	3,893
S. AMERICA W.C.	U.S. EAST COAST	195	660	1,449
U.S. EAST COAST	S. AMERICA W.C.	0	0	1
U.S. W.C., HAWAII	EUROPE	23	62	50
CANADA EAST COAST	ASIA	0	1,721	3,034
TOTAL		581	29,145	28,951
BAUXITE/ALUMINA, THOUSAND TONNES				
ASIA	CANADA EAST COAST	17	11	16
ASIA	CENTRAL AMERICA E.C., W. INDIES	2	1	1
ASIA	S. AMERICA E.C.	22	139	152
ASIA	U.S. EAST COAST	475	1,649	2,688
CENTRAL AMERICA E.C., W. INDIES	U.S. W.C., HAWAII	122	199	265
OCEANIA	CANADA EAST COAST	65	199	22
OCEANIA	S. AMERICA E.C.	479	662	86
OCEANIA	U.S. EAST COAST	1,585	4,882	537
S. AMERICA E.C.	ASIA	76	1,603	1,475
S. AMERICA E.C.	CANADA WEST COAST	3	10	7
S. AMERICA E.C.	S. AMERICA W.C.	15	45	58
S. AMERICA E.C.	U.S. W.C., HAWAII	35	68	92
U.S. EAST COAST	ASIA	9	15	6
U.S. EAST COAST	OCEANIA	3	5	2
U.S. EAST COAST	S. AMERICA W.C.	1	0	0
TOTAL		2,906	9,489	5,407
CRUDE PETROLEUM, THOUSAND TONNES				
CANADA WEST COAST	U.S. EAST COAST	182	232	223
CENTRAL AMERICA E.C., W. INDIES	C. AMERICA W.C.	409	539	116
CENTRAL AMERICA E.C., W. INDIES	S. AMERICA W.C.	105	138	30
CENTRAL AMERICA E.C., W. INDIES	U.S. W.C., HAWAII	80	71	89
S. AMERICA E.C.	ASIA	0	14,000	14,000
S. AMERICA E.C.	C. AMERICA W.C.	1,004	1,617	1,747
S. AMERICA E.C.	S. AMERICA W.C.	924	1,215	261
S. AMERICA E.C.	U.S. W.C., HAWAII	286	376	81
S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	4,743	611	0
S. AMERICA W.C.	U.S. EAST COAST	1,620	209	0
U.S. EAST COAST	S. AMERICA W.C.	0	0	0
U.S. EAST COAST	U.S. W.C., HAWAII	91	0	0
U.S. W.C., HAWAII	U.S. EAST COAST	176	0	0
TOTAL		9,621	19,008	16,548
COAL & COKE, THOUSAND TONNES				
ASIA	CENTRAL AMERICA E.C., W. INDIES	18	53	79
ASIA	U.S. EAST COAST	724	876	1,734
CANADA EAST COAST	S. AMERICA W.C.	127	27	25
CANADA WEST COAST	EUROPE	2,070	2,594	1,839
CANADA WEST COAST	S. AMERICA E.C.	55	851	898
OCEANIA	EUROPE	15	27	35
OCEANIA	U.S. EAST COAST	170	289	348
S. AMERICA E.C.	ASIA	35	410	495
S. AMERICA E.C.	S. AMERICA W.C.	228	691	895
U.S. EAST COAST	ASIA	4,717	56,967	75,051
U.S. EAST COAST	OCEANIA	122	376	442
U.S. EAST COAST	S. AMERICA W.C.	362	300	619
U.S. W.C., HAWAII	CANADA EAST COAST	137	226	188
U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIES	22	47	30
U.S. W.C., HAWAII	EUROPE	2,158	32	26
U.S. W.C., HAWAII	S. AMERICA E.C.	17	53	66
TOTAL		10,978	63,818	82,772

ANNUAL CARGO FLOWS BY COMMODITY AND ROUTE
ALTERNATE CASE: 3)250,000 DWT

ORIGIN	DESTINATION	1990	2020	2060
BULK GRAINS, THOUSAND TONNES				
AFRICA	C. AMERICA W.C.	14	33	65
AFRICA	S. AMERICA W.C.	14	34	66
ASIA	CENTRAL AMERICA E.C., W. INDIES	3	8	11
C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	64	159	311
CANADA EAST COAST	ASIA	213	478	1,248
CANADA EAST COAST	C. AMERICA W.C.	11	9	20
CANADA EAST COAST	S. AMERICA W.C.	3	1	1
CANADA WEST COAST	AFRICA	90	239	1,034
CANADA WEST COAST	EUROPE	31	22	18
CANADA WEST COAST	S. AMERICA E.C.	52	136	331
EUROPE	S. AMERICA W.C.	17	22	40
EUROPE	C. AMERICA W.C.	29	32	66
EUROPE	OCEANIA	2	2	3
S. AMERICA E.C.	ASIA	44	151	182
S. AMERICA W.C.	EUROPE	0	1	1
U.S. EAST COAST	ASIA	18,567	31,008	39,894
U.S. EAST COAST	C. AMERICA W.C.	1,912	7,093	15,811
U.S. EAST COAST	OCEANIA	6	17	20
U.S. EAST COAST	S. AMERICA W.C.	1,333	1,105	2,277
U.S. W.C., HAWAII	AFRICA	1,032	3,562	5,307
U.S. W.C., HAWAII	EUROPE	91	244	196
TOTAL		23,528	44,356	66,902
FERTILIZERS, THOUSAND TONNES				
AFRICA	CANADA WEST COAST	787	1,354	7,629
AFRICA	C. AMERICA W.C.	225	549	1,362
AFRICA	S. AMERICA W.C.	52	128	1,293
ASIA	CENTRAL AMERICA E.C., W. INDIES	7	3	2
ASIA	S. AMERICA E.C.	1	13	19
C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	256	616	1,434
C. AMERICA W.C.	S. AMERICA E.C.	5	11	21
CANADA EAST COAST	ASIA	193	402	628
CANADA EAST COAST	OCEANIA	15	26	60
CANADA EAST COAST	S. AMERICA W.C.	69	141	406
CANADA WEST COAST	CENTRAL AMERICA E.C., W. INDIES	38	46	124
CANADA WEST COAST	EUROPE	62	146	191
CANADA WEST COAST	S. AMERICA E.C.	35	49	70
CENTRAL AMERICA E.C., W. INDIES	ASIA	174	113	137
CENTRAL AMERICA E.C., W. INDIES	C. AMERICA W.C.	307	745	1,817
CENTRAL AMERICA E.C., W. INDIES	S. AMERICA W.C.	146	358	301
EUROPE	CANADA WEST COAST	17	17	21
EUROPE	C. AMERICA W.C.	311	519	1,059
EUROPE	U.S. W.C., HAWAII	327	671	1,056
EUROPE	S. AMERICA W.C.	367	451	108
EUROPE	OCEANIA	41	65	5
MIDDLE EAST	S. AMERICA W.C.	35	52	104
S. AMERICA E.C.	ASIA	149	284	288
S. AMERICA E.C.	C. AMERICA W.C.	12	22	39
S. AMERICA E.C.	S. AMERICA W.C.	99	205	406
S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	3	7	12
S. AMERICA W.C.	CANADA EAST COAST	3	6	14
S. AMERICA W.C.	EUROPE	189	510	137
S. AMERICA W.C.	U.S. EAST COAST	225	157	311
S. AMERICA W.C.	S. AMERICA E.C.	0	1	1
U.S. EAST COAST	C. AMERICA W.C.	1,333	107	89
U.S. EAST COAST	ASIA	5,920	237	111
U.S. EAST COAST	CANADA WEST COAST	164	25	23
U.S. EAST COAST	S. AMERICA W.C.	450	13	6
U.S. EAST COAST	OCEANIA	964	77	60
U.S. W.C., HAWAII	AFRICA	27	105	328
U.S. W.C., HAWAII	MIDDLE EAST	0	0	0
TOTAL		13,009	8,229	19,674

ANNUAL CARGO FLOWS BY COMMODITY AND ROUTE
ALTERNATE CASE: 3,250,000 DWT

ORIGIN	DESTINATION	1990	2020	2060
BULK CHEMICALS, THOUSAND TONNES				
AFRICA	S. AMERICA W.C.	12	32	58
ASIA	CENTRAL AMERICA E.C., W. INDIES	4	9	12
ASIA	S. AMERICA E.C.	0	0	0
ASIA	U.S. EAST COAST	125	419	480
CANADA WEST COAST	EUROPE	4	6	8
CANADA WEST COAST	U.S. EAST COAST	216	725	1,013
CENTRAL AMERICA E.C., W. INDIES	ASIA	195	312	370
CENTRAL AMERICA E.C., W. INDIES	C. AMERICA W.C.	3	7	13
CENTRAL AMERICA E.C., W. INDIES	S. AMERICA W.C.	1	3	5
CENTRAL AMERICA E.C., W. INDIES	U.S. W.C., HAWAII	6	10	15
C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	8	22	41
C. AMERICA W.C.	S. AMERICA E.C.	7	19	35
C. AMERICA W.C.	U.S. EAST COAST	145	344	695
EUROPE	CANADA WEST COAST	0	0	0
EUROPE	C. AMERICA W.C.	24	43	71
EUROPE	OCEANIA	126	206	293
EUROPE	S. AMERICA W.C.	60	110	174
EUROPE	U.S. W.C., HAWAII	5	19	35
OCEANIA	CANADA EAST COAST	0	0	0
OCEANIA	EUROPE	31	169	281
OCEANIA	S. AMERICA E.C.	0	0	0
OCEANIA	U.S. EAST COAST	1	5	13
S. AMERICA E.C.	ASIA	8	24	30
S. AMERICA E.C.	S. AMERICA W.C.	26	71	132
S. AMERICA E.C.	CANADA WEST COAST	0	0	0
S. AMERICA E.C.	OCEANIA	0	0	0
S. AMERICA E.C.	U.S. W.C., HAWAII	0	0	0
S. AMERICA W.C.	CANADA EAST COAST	0	0	0
S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	0	0	0
S. AMERICA W.C.	EUROPE	21	51	75
S. AMERICA W.C.	S. AMERICA E.C.	1	2	0
S. AMERICA W.C.	U.S. EAST COAST	82	62	187
U.S. EAST COAST	ASIA	4,109	17,095	25,889
U.S. EAST COAST	CANADA WEST COAST	46	41	68
U.S. EAST COAST	C. AMERICA W.C.	30	50	86
U.S. EAST COAST	OCEANIA	704	451	662
U.S. EAST COAST	S. AMERICA W.C.	258	423	609
U.S. EAST COAST	U.S. W.C., HAWAII	600	1,927	2,161
U.S. WEST COAST	AFRICA	0	0	0
U.S. WEST COAST	CANADA EAST COAST	0	0	0
U.S. W.C., HAWAII	EUROPE	56	201	252
U.S. W.C., HAWAII	S. AMERICA E.C.	10	4	6
U.S. W.C., HAWAII	U.S. EAST COAST	44	58	86
TOTAL		6,967	22,920	33,857
PETROLEUM PRODUCTS, THOUSAND TONNES				
AFRICA	U.S. WEST COAST	54	0	0
ASIA	CENTRAL AMERICA E.C., W. INDIES	5	1	1
ASIA	S. AMERICA E.C.	0	0	0
ASIA	U.S. EAST COAST	83	0	0
CENTRAL AMERICA E.C., W. INDIES	ASIA	195	161	54
CENTRAL AMERICA E.C., W. INDIES	C. AMERICA W.C.	532	2,625	1,330
CENTRAL AMERICA E.C., W. INDIES	S. AMERICA W.C.	531	1,072	1,143
CENTRAL AMERICA E.C., W. INDIES	U.S. W.C., HAWAII	937	652	141
C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	33	54	28
C. AMERICA W.C.	S. AMERICA E.C.	3	8	13
C. AMERICA W.C.	U.S. EAST COAST	5	0	0
CANADA EAST COAST	ASIA	145	392	706
CANADA EAST COAST	S. AMERICA W.C.	0	0	0

ANNUAL CARGO FLOWS BY COMMODITY AND ROUTE
ALTERNATE CASE: 3)250,000 DWT

ORIGIN	DESTINATION	1990	2020	2060
CANADA WEST COAST	EUROPE	0	0	0
CANADA WEST COAST	S. AMERICA E.C.	0	0	0
CANADA WEST COAST	U.S. EAST COAST	39	37	59
EUROPE	C. AMERICA W.C.	29	44	62
EUROPE	CANADA WEST COAST	0	0	0
EUROPE	S. AMERICA W.C.	423	13	21
EUROPE	U.S. WEST COAST	352	171	53
EUROPE	OCEANIA	8	0	0
MIDDLE EAST	U.S. W.C., HAWAII	34	0	0
OCEANIA	CENTRAL AMERICA E.C., W. INDIES	1	0	0
OCEANIA	U.S. EAST COAST	144	102	64
S. AMERICA E.C.	ASIA	183	151	51
S. AMERICA E.C.	C. AMERICA W.C.	560	2,763	1,400
S. AMERICA E.C.	CANADA WEST COAST	0	0	0
S. AMERICA E.C.	S. AMERICA W.C.	501	1,126	572
S. AMERICA E.C.	U.S. WEST COAST	707	1,591	808
S. AMERICA W.C.	CANADA EAST COAST	27	30	0
S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	605	1,002	508
S. AMERICA W.C.	EUROPE	27	0	0
S. AMERICA W.C.	S. AMERICA E.C.	6	10	5
S. AMERICA W.C.	U.S. EAST COAST	2,157	1,501	462
U.S. EAST COAST	ASIA	1,531	1,110	7
U.S. EAST COAST	C. AMERICA W.C.	614	606	204
U.S. EAST COAST	CANADA WEST COAST	0	0	0
U.S. EAST COAST	OCEANIA	201	156	0
U.S. EAST COAST	S. AMERICA W.C.	224	224	75
U.S. EAST COAST	U.S. W.C., HAWAII	679	580	250
U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIES	324	338	108
U.S. WEST COAST	CANADA EAST COAST	34	21	0
U.S. WEST COAST	EUROPE	17	0	0
U.S. WEST COAST	S. AMERICA E.C.	86	86	29
U.S. W.C., HAWAII	U.S. EAST COAST	456	366	157
TOTAL		12,490	16,995	8,311

OILS AND FATS, THOUSAND TONNES

ASIA	CANADA EAST COAST	1	4	4
ASIA	CENTRAL AMERICA E.C., W. INDIES	28	28	42
ASIA	S. AMERICA E.C.	7	16	23
ASIA	U.S. EAST COAST	117	184	476
C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	14	28	54
C. AMERICA W.C.	EUROPE	6	10	13
C. AMERICA W.C.	U.S. EAST COAST	3	1	1
CANADA EAST COAST	ASIA	0	0	0
CANADA EAST COAST	C. AMERICA W.C.	1	1	3
CANADA EAST COAST	OCEANIA	0	0	0
CANADA EAST COAST	S. AMERICA W.C.	0	1	2
CANADA EAST COAST	U.S. W.C., HAWAII	0	0	0
CANADA WEST COAST	EUROPE	29	81	98
CANADA WEST COAST	S. AMERICA E.C.	0	0	0
CENTRAL AMERICA E.C., W. INDIES	ASIA	19	45	72
CENTRAL AMERICA E.C., W. INDIES	C. AMERICA W.C.	5	11	20
EUROPE	C. AMERICA W.C.	7	12	25
EUROPE	OCEANIA	12	17	28
EUROPE	S. AMERICA W.C.	4	6	13
EUROPE	U.S. W.C., HAWAII	10	26	29
OCEANIA	EUROPE	5	5	6
OCEANIA	S. AMERICA E.C.	0	0	0
S. AMERICA E.C.	ASIA	0	0	0
S. AMERICA E.C.	OCEANIA	0	0	0
S. AMERICA E.C.	C. AMERICA W.C.	16	35	66
S. AMERICA E.C.	U.S. W.C., HAWAII	34	80	129
S. AMERICA W.C.	EUROPE	86	193	315
S. AMERICA W.C.	U.S. EAST COAST	24	11	20
S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	35	75	142

ANNUAL CARGO FLOWS BY COMMODITY AND ROUTE
ALTERNATE CASE: 3)250,000 DWT

ORIGIN	DESTINATION	1990	2020	2060
S. AMERICA W.C.	S. AMERICA E.C.	32	70	130
U.S. EAST COAST	ASIA	66	330	514
U.S. EAST COAST	C. AMERICA W.C.	72	113	214
U.S. EAST COAST	OCEANIA	1	4	8
U.S. EAST COAST	S. AMERICA W.C.	74	21	36
U.S. W.C., HAWAII	AFRICA	0	0	0
U.S. W.C., HAWAII	EUROPE	7	16	16
U.S. W.C., HAWAII	U.S. EAST COAST	12	25	49
TOTAL		729	1,449	2,549
REFRIGERATED CARGO, THOUSAND TONNES				
AFRICA	CANADA WEST COAST	0	0	0
AFRICA	S. AMERICA W.C.	0	1	1
AFRICA	U.S. W.C., HAWAII	0	0	0
ASIA	CENTRAL AMERICA E.C., W. INDIES	24	89	119
ASIA	CANADA EAST COAST	5	5	14
ASIA	S. AMERICA E.C.	2	2	3
ASIA	U.S. EAST COAST	119	333	641
CENTRAL AMERICA E.C., W. INDIES	ASIA	36	37	43
CENTRAL AMERICA E.C., W. INDIES	S. AMERICA W.C.	2	6	11
C. AMERICA W.C.	AFRICA	1	3	7
C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	99	252	557
C. AMERICA W.C.	CANADA EAST COAST	9	2	5
C. AMERICA W.C.	EUROPE	537	987	1,481
C. AMERICA W.C.	S. AMERICA E.C.	58	149	329
C. AMERICA W.C.	U.S. EAST COAST	2	2	4
CANADA EAST COAST	ASIA	54	92	130
CANADA EAST COAST	C. AMERICA W.C.	3	1	2
CANADA EAST COAST	OCEANIA	5	6	15
CANADA EAST COAST	S. AMERICA W.C.	0	0	0
CANADA EAST COAST	U.S. W.C., HAWAII	1	0	1
CANADA WEST COAST	AFRICA	0	0	0
CANADA WEST COAST	EUROPE	31	56	76
CANADA WEST COAST	S. AMERICA E.C.	0	0	0
EUROPE	C. AMERICA W.C.	2	3	4
EUROPE	CANADA WEST COAST	12	16	27
EUROPE	OCEANIA	13	24	42
EUROPE	S. AMERICA W.C.	6	11	24
EUROPE	U.S. W.C., HAWAII	65	95	142
MIDDLE EAST	U.S. W.C., HAWAII	1	3	7
OCEANIA	CENTRAL AMERICA E.C., W. INDIES	46	41	113
OCEANIA	CANADA EAST COAST	56	57	106
OCEANIA	EUROPE	327	860	1,288
OCEANIA	MIDDLE EAST	0	1	4
OCEANIA	S. AMERICA E.C.	6	18	52
OCEANIA	U.S. EAST COAST	470	583	1,058
S. AMERICA E.C.	ASIA	49	115	144
S. AMERICA E.C.	CANADA WEST COAST	0	1	1
S. AMERICA E.C.	OCEANIA	0	0	0
S. AMERICA E.C.	C. AMERICA W.C.	1	2	2
S. AMERICA E.C.	S. AMERICA W.C.	3	8	10
S. AMERICA E.C.	U.S. W.C., HAWAII	1	3	5
S. AMERICA W.C.	AFRICA	25	64	143
S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	43	110	244
S. AMERICA W.C.	MIDDLE EAST	15	17	18
S. AMERICA W.C.	S. AMERICA E.C.	11	28	61
S. AMERICA W.C.	CANADA EAST COAST	1	1	3
S. AMERICA W.C.	EUROPE	1,550	5,316	7,687
S. AMERICA W.C.	U.S. EAST COAST	1,156	2,278	3,885
U.S. EAST COAST	ASIA	269	930	1,518
U.S. EAST COAST	C. AMERICA W.C.	3	6	12
U.S. EAST COAST	OCEANIA	16	25	32
U.S. EAST COAST	S. AMERICA W.C.	4	7	16

ANNUAL CARGO FLOWS BY COMMODITY AND ROUTE
ALTERNATE CASE: 3)250,000 DWT

ORIGIN	DESTINATION	1990	2020	2060
U.S. W.C., HAWAII	AFRICA	0	0	0
U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIES	3	8	19
U.S. W.C., HAWAII	CANADA EAST COAST	0	1	1
U.S. W.C., HAWAII	EUROPE	236	949	1,093
U.S. W.C., HAWAII	MIDDLE EAST	2	3	12
U.S. W.C., HAWAII	S. AMERICA E.C.	5	2	5
U.S. W.C., HAWAII	U.S. EAST COAST	2	3	6
TOTAL		5,389	13,614	21,223
VEHICLES, THOUSAND TONNES				
ASIA	CENTRAL AMERICA E.C., W. INDIES	111	29	107
ASIA	S. AMERICA E.C.	4	6	6
ASIA	U.S. EAST COAST	1,249	1,911	1,404
CENTRAL AMERICA E.C., W. INDIES	C. AMERICA W.C.	1	2	1
CENTRAL AMERICA E.C., W. INDIES	S. AMERICA W.C.	7	18	12
C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	0	2	1
C. AMERICA W.C.	U.S. EAST COAST	5	2	12
CANADA EAST COAST	ASIA	0	1	1
CANADA EAST COAST	S. AMERICA W.C.	1	1	1
EUROPE	C. AMERICA W.C.	9	9	10
EUROPE	CANADA WEST COAST	11	6	11
EUROPE	OCEANIA	18	9	22
EUROPE	S. AMERICA W.C.	12	9	16
EUROPE	U.S. W.C., HAWAII	180	258	179
MIDDLE EAST	S. AMERICA W.C.	1	1	1
OCEANIA	U.S. EAST COAST	0	0	0
S. AMERICA E.C.	ASIA	0	0	0
S. AMERICA E.C.	S. AMERICA W.C.	1	2	1
S. AMERICA E.C.	OCEANIA	0	0	0
S. AMERICA W.C.	EUROPE	0	0	0
S. AMERICA W.C.	S. AMERICA E.C.	0	0	0
S. AMERICA W.C.	U.S. EAST COAST	1	0	2
U.S. EAST COAST	ASIA	9	12	9
U.S. EAST COAST	OCEANIA	10	4	10
U.S. EAST COAST	S. AMERICA W.C.	18	34	22
U.S. W.C., HAWAII	AFRICA	0	0	0
U.S. W.C., HAWAII	EUROPE	0	0	0
TOTAL		1,647	2,317	1,829
MINOR BULKS, THOUSAND TONNES				
AFRICA	S. AMERICA W.C.	3	8	19
AFRICA	U.S. W.C., HAWAII	66	161	296
ASIA	CENTRAL AMERICA E.C., W. INDIES	340	122	109
ASIA	CANADA EAST COAST	135	287	673
ASIA	S. AMERICA E.C.	70	17	23
ASIA	U.S. EAST COAST	4,581	3,636	7,546
CENTRAL AMERICA E.C., W. INDIES	ASIA	1,375	893	1,086
CENTRAL AMERICA E.C., W. INDIES	C. AMERICA W.C.	28	69	168
CENTRAL AMERICA E.C., W. INDIES	CANADA WEST COAST	10	15	30
CENTRAL AMERICA E.C., W. INDIES	OCEANIA	13	19	37
CENTRAL AMERICA E.C., W. INDIES	S. AMERICA W.C.	41	102	240
CENTRAL AMERICA E.C., W. INDIES	U.S. W.C., HAWAII	41	63	55
C. AMERICA W.C.	AFRICA	98	178	263
C. AMERICA W.C.	CANADA EAST COAST	10	4	8
C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	186	447	1,042
C. AMERICA W.C.	EUROPE	295	666	899
C. AMERICA W.C.	S. AMERICA E.C.	76	173	341
C. AMERICA W.C.	U.S. EAST COAST	1,381	1,307	1,965
CANADA EAST COAST	ASIA	713	1,483	2,319
CANADA EAST COAST	C. AMERICA W.C.	10	14	44
CANADA EAST COAST	OCEANIA	16	27	62
CANADA EAST COAST	S. AMERICA W.C.	15	32	91
CANADA WEST COAST	AFRICA	1,347	2,186	3,323

ANNUAL TRADE FLOWS BY COMMODITY AND ROUTE
ALTERNATE CASE: 3,250,000 DWT

ORIGIN	DESTINATION	1990	2020	2060
CANADA WEST COAST	CENTRAL AMERICA E.C., W. INDIES	20	24	65
CANADA WEST COAST	EUROPE	2,632	4,403	7,155
CANADA WEST COAST	MIDDLE EAST	259	948	2,827
CANADA WEST COAST	S. AMERICA E.C.	301	424	606
CANADA WEST COAST	U.S. EAST COAST	5	11	19
EUROPE	C. AMERICA W.C.	293	488	997
EUROPE	CANADA WEST COAST	170	177	212
EUROPE	OCEANIA	88	137	237
EUROPE	S. AMERICA W.C.	201	246	422
EUROPE	U.S. W.C., HAWAII	794	1,627	2,561
OCEANIA	CANADA EAST COAST	352	460	835
OCEANIA	CENTRAL AMERICA E.C., W. INDIES	195	165	468
OCEANIA	EUROPE	191	277	469
OCEANIA	U.S. EAST COAST	782	1,779	1,911
S. AMERICA E.C.	ASIA	609	1,163	1,179
S. AMERICA E.C.	C. AMERICA W.C.	232	424	746
S. AMERICA E.C.	CANADA WEST COAST	94	74	112
S. AMERICA E.C.	S. AMERICA W.C.	148	309	612
S. AMERICA E.C.	U.S. W.C., HAWAII	969	1,070	1,653
S. AMERICA W.C.	AFRICA	21	60	118
S. AMERICA W.C.	CANADA EAST COAST	6	10	24
S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	73	157	273
S. AMERICA W.C.	EUROPE	2,114	5,701	10,260
S. AMERICA W.C.	MIDDLE EAST	25	28	30
S. AMERICA W.C.	S. AMERICA E.C.	92	225	408
S. AMERICA W.C.	U.S. EAST COAST	1,474	1,026	2,037
U.S. EAST COAST	ASIA	11,073	16,039	24,420
U.S. EAST COAST	C. AMERICA W.C.	291	482	1,432
U.S. EAST COAST	OCEANIA	138	176	399
U.S. EAST COAST	S. AMERICA W.C.	317	449	921
U.S. EAST COAST	U.S. W.C., HAWAII	1	1	1
U.S. W.C., HAWAII	AFRICA	239	941	2,945
U.S. W.C., HAWAII	CANADA EAST COAST	16	31	56
U.S. W.C., HAWAII	EUROPE	1,357	5,510	8,383
U.S. W.C., HAWAII	S. AMERICA E.C.	193	245	397
U.S. W.C., HAWAII	U.S. EAST COAST	191	210	246
TOTAL		36,806	57,404	96,078
CONTAINERIZED CARGO, THOUSAND TONNES				
AFRICA	C. AMERICA W.C.	1	2	4
AFRICA	CANADA WEST COAST	1	1	4
AFRICA	U.S. W.C., HAWAII	3	8	24
ASIA	CANADA EAST COAST	366	682	739
ASIA	CENTRAL AMERICA E.C., W. INDIES	503	2,206	2,945
ASIA	S. AMERICA E.C.	86	67	79
ASIA	U.S. EAST COAST	4,910	11,200	13,000
C. AMERICA W.C.	AFRICA	1	3	7
C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	26	72	133
C. AMERICA W.C.	EUROPE	43	58	87
C. AMERICA W.C.	S. AMERICA E.C.	3	8	15
C. AMERICA W.C.	U.S. EAST COAST	3	3	5
CENTRAL AMERICA E.C., W. INDIES	ASIA	159	103	121
CENTRAL AMERICA E.C., W. INDIES	C. AMERICA W.C.	19	52	95
CENTRAL AMERICA E.C., W. INDIES	CANADA WEST COAST	1	1	2
CENTRAL AMERICA E.C., W. INDIES	OCEANIA	5	10	27
CENTRAL AMERICA E.C., W. INDIES	S. AMERICA W.C.	68	187	343
CENTRAL AMERICA E.C., W. INDIES	U.S. W.C., HAWAII	24	24	53
CANADA EAST COAST	ASIA	218	561	658
CANADA EAST COAST	C. AMERICA W.C.	0	1	2
CANADA EAST COAST	OCEANIA	105	193	374
CANADA EAST COAST	S. AMERICA W.C.	2	4	9
CANADA EAST COAST	U.S. W.C., HAWAII	51	136	246
CANADA WEST COAST	AFRICA	0	0	0

ANNUAL CARGO FLOWS BY COMMODITY AND ROUTE
ALTERNATE CASE: 3)250,000 DWT

ORIGIN	DESTINATION	1990	2020	2060
CANADA WEST COAST	EUROPE	241	491	511
CANADA WEST COAST	S. AMERICA E.C.	8	12	30
CANADA WEST COAST	U.S. EAST COAST	0	0	1
EUROPE	C. AMERICA W.C.	29	49	88
EUROPE	CANADA WEST COAST	182	311	336
EUROPE	OCEANIA	575	1,075	1,569
EUROPE	S. AMERICA W.C.	589	924	1,648
EUROPE	U.S. W.C., HAWAII	1,602	2,900	3,100
MIDDLE EAST	S. AMERICA W.C.	1	1	2
MIDDLE EAST	U.S. W.C., HAWAII	36	112	236
OCEANIA	CANADA EAST COAST	47	81	155
OCEANIA	CENTRAL AMERICA E.C., W. INDIES	13	10	24
OCEANIA	EUROPE	144	322	423
OCEANIA	S. AMERICA E.C.	0	0	1
OCEANIA	U.S. EAST COAST	242	422	614
S. AMERICA E.C.	ASIA	49	67	82
S. AMERICA E.C.	C. AMERICA W.C.	18	50	92
S. AMERICA E.C.	CANADA WEST COAST	27	49	101
S. AMERICA E.C.	OCEANIA	0	0	0
S. AMERICA E.C.	S. AMERICA W.C.	50	140	255
S. AMERICA E.C.	U.S. W.C., HAWAII	94	235	498
S. AMERICA W.C.	CANADA EAST COAST	1	2	2
S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	39	108	198
S. AMERICA W.C.	EUROPE	577	1,489	2,314
S. AMERICA W.C.	S. AMERICA E.C.	16	43	79
S. AMERICA W.C.	U.S. EAST COAST	609	962	2,143
U.S. EAST COAST	ASIA	6,393	17,800	21,800
U.S. EAST COAST	C. AMERICA W.C.	27	75	152
U.S. EAST COAST	OCEANIA	536	1,861	3,567
U.S. EAST COAST	S. AMERICA W.C.	575	1,502	3,096
U.S. EAST COAST	U.S. W.C., HAWAII	26	26	26
U.S. W.C., HAWAII	AFRICA	36	109	320
U.S. W.C., HAWAII	CANADA EAST COAST	3	5	7
U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIES	42	119	254
U.S. W.C., HAWAII	EUROPE	1,290	3,400	3,800
U.S. W.C., HAWAII	MIDDLE EAST	28	100	346
U.S. W.C., HAWAII	S. AMERICA E.C.	12	4	7
U.S. W.C., HAWAII	U.S. EAST COAST	85	172	335
TOTAL		20,840	50,611	67,180
GENERAL CARGO, THOUSAND TONNES				
AFRICA	CANADA WEST COAST	0	1	1
AFRICA	S. AMERICA W.C.	1	2	4
AFRICA	U.S. W.C., HAWAII	1	2	7
ASIA	CENTRAL AMERICA E.C., W. INDIES	598	1,264	2,307
ASIA	CANADA EAST COAST	10	11	18
ASIA	S. AMERICA E.C.	60	106	238
ASIA	U.S. EAST COAST	510	1,376	2,383
C. AMERICA W.C.	AFRICA	7	17	34
C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	17	42	79
C. AMERICA W.C.	EUROPE	176	236	710
C. AMERICA W.C.	S. AMERICA E.C.	2	4	6
C. AMERICA W.C.	U.S. EAST COAST	25	35	74
CENTRAL AMERICA E.C., W. INDIES	ASIA	93	226	370
CENTRAL AMERICA E.C., W. INDIES	C. AMERICA W.C.	8	23	47
CENTRAL AMERICA E.C., W. INDIES	CANADA WEST COAST	24	70	133
CENTRAL AMERICA E.C., W. INDIES	OCEANIA	6	18	35
CENTRAL AMERICA E.C., W. INDIES	S. AMERICA W.C.	49	131	277
CENTRAL AMERICA E.C., W. INDIES	U.S. W.C., HAWAII	22	63	94
CANADA EAST COAST	ASIA	182	544	1,212
CANADA EAST COAST	C. AMERICA W.C.	6	9	22
CANADA EAST COAST	OCEANIA	0	0	0
CANADA EAST COAST	S. AMERICA W.C.	19	31	86

ANNUAL GRAIN FLOWS BY COMMODITY AND ROUTE
ALTERNATE CASE: 3)250,000 DWT

ORIGIN	DESTINATION	1990	2020	2060
CANADA EAST COAST	U.S. W.C., HAWAII	0	0	0
CANADA WEST COAST	AFRICA	279	1,246	3,976
CANADA WEST COAST	ASIA	3	4	5
CANADA WEST COAST	CENTRAL AMERICA E.C., W. INDIES	38	80	202
CANADA WEST COAST	EUROPE	2,159	5,784	9,837
CANADA WEST COAST	MIDDLE EAST	4	12	25
CANADA WEST COAST	S. AMERICA E.C.	100	166	429
CANADA WEST COAST	U.S. EAST COAST	611	1,705	3,461
EUROPE	C. AMERICA W.C.	115	248	496
EUROPE	CANADA WEST COAST	72	147	295
EUROPE	OCEANIA	139	318	654
EUROPE	S. AMERICA W.C.	293	647	1,428
EUROPE	U.S. W.C., HAWAII	165	619	978
MIDDLE EAST	S. AMERICA W.C.	1	4	8
MIDDLE EAST	U.S. W.C., HAWAII	2	5	22
OCEANIA	CANADA EAST COAST	1	2	3
OCEANIA	CENTRAL AMERICA E.C., W. INDIES	57	36	82
OCEANIA	EUROPE	45	112	171
OCEANIA	S. AMERICA E.C.	50	95	237
OCEANIA	U.S. EAST COAST	310	457	630
S. AMERICA E.C.	ASIA	648	1,017	1,390
S. AMERICA E.C.	C. AMERICA W.C.	25	55	105
S. AMERICA E.C.	CANADA WEST COAST	34	86	213
S. AMERICA E.C.	OCEANIA	0	1	2
S. AMERICA E.C.	S. AMERICA W.C.	103	284	573
S. AMERICA E.C.	U.S. W.C., HAWAII	65	302	743
S. AMERICA W.C.	AFRICA	90	206	379
S. AMERICA W.C.	CANADA EAST COAST	3	6	14
S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	86	213	458
S. AMERICA W.C.	EUROPE	1,713	3,728	6,447
S. AMERICA W.C.	S. AMERICA E.C.	72	181	357
S. AMERICA W.C.	U.S. EAST COAST	451	637	1,435
U.S. EAST COAST	ASIA	1,271	4,711	7,875
U.S. EAST COAST	C. AMERICA W.C.	51	111	239
U.S. EAST COAST	OCEANIA	90	220	371
U.S. EAST COAST	S. AMERICA W.C.	434	1,246	2,902
U.S. EAST COAST	U.S. W.C., HAWAII	25	60	66
U.S. W.C., HAWAII	AFRICA	118	325	965
U.S. W.C., HAWAII	CANADA EAST COAST	0	2	2
U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIES	1	2	4
U.S. W.C., HAWAII	EUROPE	390	1,081	1,466
U.S. W.C., HAWAII	S. AMERICA E.C.	22	71	89
U.S. W.C., HAWAII	U.S. EAST COAST	29	37	70
TOTAL		11,980	30,477	57,245

IRON ORE, THOUSAND TONNES

ORIGIN	DESTINATION	STATUS QUO TRADE 1990	STATUS QUO TRADE 2020	STATUS QUO TRADE 2060	POTENTIAL TRADE 1990	POTENTIAL TRADE 2020	POTENTIAL TRADE 2060	SHIFTED TRADE 1990	SHIFTED TRADE 2020	SHIFTED TRADE 2060
C. AMERICA W.C.	U.S. EAST COAST	106	195	201	106	195	201	0	0	0
S. AMERICA E.C.	ASIA	103	352	0	15,506	45,249	48,648	15,402	44,897	48,648
S. AMERICA E.C.	U.S. W.C., HAWAII	47	93	0	47	93	125	0	0	125
S. AMERICA W.C.	EUROPE	107	0	0	1,592	2,903	3,893	1,485	2,903	3,893
S. AMERICA W.C.	U.S. EAST COAST	195	660	0	195	660	1,449	0	0	1,449
U.S. EAST COAST	S. AMERICA W.C.	0	0	1	0	0	1	0	0	0
U.S. W.C., HAWAII	EUROPE	23	62	0	23	62	50	0	0	50
CANADA EAST COAST	ASIA	0	0	0	2,586	1,721	3,034	2,586	1,721	3,034
TOTAL		581	1,362	202	20,056	50,883	57,401	19,474	49,521	57,199

BAUXITE/ALUMINA, THOUSAND TONNES

ORIGIN	DESTINATION	STATUS QUO TRADE 1990	STATUS QUO TRADE 2020	STATUS QUO TRADE 2060	POTENTIAL TRADE 1990	POTENTIAL TRADE 2020	POTENTIAL TRADE 2060	SHIFTED TRADE 1990	SHIFTED TRADE 2020	SHIFTED TRADE 2060
ASIA	CANADA EAST COAST	17	11	0	17	11	16	0	0	16
ASIA	CENTRAL AMERICA E.C., W. INDIES	2	1	0	2	1	1	0	0	1
ASIA	S. AMERICA E.C.	22	139	0	22	139	152	0	0	152
ASIA	U.S. EAST COAST	475	1,649	7	475	1,649	2,688	0	0	2,681
CENTRAL AMERICA E.C., W. INDIES	U.S. W.C., HAWAII	122	199	265	122	199	265	0	0	0
OCEANIA	CANADA EAST COAST	65	199	0	65	199	22	0	0	22
OCEANIA	S. AMERICA E.C.	479	662	0	479	662	86	0	0	86
OCEANIA	U.S. EAST COAST	1,585	4,882	0	1,585	4,882	537	0	0	537
S. AMERICA E.C.	ASIA	76	1,603	0	76	1,603	1,475	0	0	1,475
S. AMERICA E.C.	CANADA WEST COAST	3	10	0	3	10	7	0	0	7
S. AMERICA E.C.	S. AMERICA W.C.	15	45	0	15	45	58	0	0	58
S. AMERICA E.C.	U.S. W.C., HAWAII	35	68	0	35	68	92	0	0	92
U.S. EAST COAST	ASIA	9	15	6	9	15	6	0	0	0
U.S. EAST COAST	OCEANIA	3	5	2	3	5	2	0	0	0
U.S. EAST COAST	S. AMERICA W.C.	1	0	0	1	0	0	0	0	0
TOTAL		2,906	9,489	281	2,906	9,489	5,407	0	0	5,126

CRUDE PETROLEUM, THOUSAND TONNES

ORIGIN	DESTINATION	STATUS QUO TRADE 1990	STATUS QUO TRADE 2020	STATUS QUO TRADE 2060	POTENTIAL TRADE 1990	POTENTIAL TRADE 2020	POTENTIAL TRADE 2060	SHIFTED TRADE 1990	SHIFTED TRADE 2020	SHIFTED TRADE 2060
CANADA WEST COAST	U.S. EAST COAST	182	232	223	182	232	223	0	0	0
CENTRAL AMERICA E.C., W. INDIES	C. AMERICA W.C.	409	539	116	409	539	116	0	0	0
CENTRAL AMERICA E.C., W. INDIES	S. AMERICA W.C.	105	138	30	105	138	30	0	0	0
CENTRAL AMERICA E.C., W. INDIES	U.S. W.C., HAWAII	80	71	89	80	71	89	0	0	0
S. AMERICA E.C.	ASIA	0	0	0	0	14,000	14,000	0	14,000	14,000
S. AMERICA E.C.	C. AMERICA W.C.	1,004	1,617	0	1,004	1,617	1,747	0	0	1,747
S. AMERICA E.C.	S. AMERICA W.C.	924	1,215	0	924	1,215	261	0	0	261
S. AMERICA E.C.	U.S. W.C., HAWAII	286	376	0	286	376	81	0	0	81
S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	4,743	611	0	4,743	611	0	0	0	0
S. AMERICA W.C.	U.S. EAST COAST	1,620	209	0	1,620	209	0	0	0	0
U.S. EAST COAST	S. AMERICA W.C.	0	0	0	0	0	0	0	0	0
U.S. EAST COAST	U.S. W.C., HAWAII	91	0	0	91	0	0	0	0	0
U.S. W.C., HAWAII	U.S. EAST COAST	176	0	0	176	0	0	0	0	0
TOTAL		9,621	5,008	459	9,621	19,008	16,548	0	14,000	16,090

COAL & COKE, THOUSAND TONNES

ORIGIN	DESTINATION	STATUS QUO TRADE			POTENTIAL TRADE			SHIFTED TRADE		
		1990	2020	2060	1990	2020	2060	1990	2020	2060
ASIA	CENTRAL AMERICA E.C., W. INDIES	18	53	79	18	53	79	0	0	0
ASIA	U.S. EAST COAST	724	876	1,734	724	876	1,734	0	0	0
CANADA EAST COAST	S. AMERICA W.C.	127	27	0	127	27	25	0	0	25
CANADA WEST COAST	EUROPE	2,070	1,235	871	3,604	2,594	1,839	1,534	1,359	967
CANADA WEST COAST	S. AMERICA E.C.	55	46	0	1,024	851	898	969	805	898
OCEANIA	EUROPE	15	27	0	3	5	7	(12)	(21)	7
OCEANIA	U.S. EAST COAST	170	289	0	170	289	348	0	0	348
S. AMERICA E.C.	ASIA	35	118	0	120	410	495	85	291	495
S. AMERICA E.C.	S. AMERICA W.C.	228	691	0	228	691	895	0	0	895
U.S. EAST COAST	ASIA	4,717	1,112	0	17,920	56,967	75,051	13,203	55,856	75,051
U.S. EAST COAST	OCEANIA	122	376	442	122	376	442	0	0	0
U.S. EAST COAST	S. AMERICA W.C.	362	300	74	362	300	619	0	0	545
U.S. W.C., HAWAII	CANADA EAST COAST	137	226	188	137	226	188	0	0	0
U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIES	22	47	30	22	47	30	0	0	0
U.S. W.C., HAWAII	EUROPE	2,158	32	0	2,158	32	26	0	0	26
U.S. W.C., HAWAII	S. AMERICA E.C.	17	53	0	17	53	66	0	0	66
TOTAL		10,978	5,507	3,419	26,757	63,796	82,743	15,779	58,290	79,324

BULK GRAINS, THOUSAND TONNES

ORIGIN	DESTINATION	STATUS QUO TRADE 1990	2020	2060	POTENTIAL TRADE 1990	2020	2060	SHIFTED TRADE 1990	2020	2060
AFRICA	C. AMERICA W.C.	14	33	65	14	33	65	0	0	0
AFRICA	S. AMERICA W.C.	14	34	66	14	34	66	0	0	0
ASIA	CENTRAL AMERICA E.C., W. INDIES	3	8	11	3	8	11	0	0	0
C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	64	159	311	64	159	311	0	0	0
CANADA EAST COAST	ASIA	213	478	0	213	478	1,248	0	0	1,248
CANADA EAST COAST	C. AMERICA W.C.	11	9	20	11	9	20	0	0	0
CANADA EAST COAST	S. AMERICA W.C.	3	1	0	3	1	1	0	0	1
CANADA WEST COAST	AFRICA	90	239	0	90	239	1,034	0	0	1,034
CANADA WEST COAST	EUROPE	31	22	18	31	22	18	0	0	0
CANADA WEST COAST	S. AMERICA E.C.	52	136	0	52	136	331	0	0	331
EUROPE	S. AMERICA W.C.	17	22	0	17	22	40	0	0	40
EUROPE	C. AMERICA W.C.	29	32	66	29	32	66	0	0	0
EUROPE	OCEANIA	2	2	0	2	2	3	0	0	3
S. AMERICA E.C.	ASIA	44	151	0	44	151	182	(0)	(0)	182
S. AMERICA W.C.	EUROPE	0	1	1	0	1	1	0	(0)	0
U.S. EAST COAST	ASIA	18,567	31,008	39,894	18,568	31,008	39,894	1	(0)	(1)
U.S. EAST COAST	C. AMERICA W.C.	1,912	7,093	15,811	1,912	7,093	15,811	0	0	0
U.S. EAST COAST	OCEANIA	6	17	0	6	17	20	0	0	20
U.S. EAST COAST	S. AMERICA W.C.	1,333	1,105	344	1,333	1,105	2,277	0	0	1,933
U.S. W.C., HAWAII	AFRICA	1,032	3,562	0	1,032	3,562	5,307	0	0	5,307
U.S. W.C., HAWAII	EUROPE	91	244	0	91	244	196	0	0	196
TOTAL		23,528	44,356	56,607	23,528	44,356	66,902	1	(0)	10,295

FERTILIZERS, THOUSAND TONNES

ORIGIN	DESTINATION	STATUS QUO TRADE 1990	STATUS QUO TRADE 2020	STATUS QUO TRADE 2060	POTENTIAL TRADE 1990	POTENTIAL TRADE 2020	POTENTIAL TRADE 2060	SHIFTED TRADE 1990	SHIFTED TRADE 2020	SHIFTED TRADE 2060
AFRICA	CANADA WEST COAST	787	1,354	0	810	1,395	7,875	23	41	7,875
AFRICA	C. AMERICA W.C.	225	549	1,362	225	549	1,362	0	0	0
AFRICA	S. AMERICA W.C.	52	128	313	52	128	313	0	0	0
ASIA	CENTRAL AMERICA E.C., W. INDIES	7	3	2	7	3	2	0	0	0
ASIA	S. AMERICA E.C.	1	13	19	1	13	19	0	0	0
C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	256	616	1,434	256	616	1,434	0	0	0
C. AMERICA W.C.	S. AMERICA E.C.	5	11	21	5	11	21	0	0	0
CANADA EAST COAST	ASIA	193	402	0	3	5	13	(190)	(396)	13
CANADA EAST COAST	OCEANIA	15	26	0	19	34	79	4	8	79
CANADA EAST COAST	S. AMERICA W.C.	69	141	0	69	141	405	0	0	405
CANADA WEST COAST	CENTRAL AMERICA E.C., W. INDIES	38	46	124	25	66	162	(13)	20	38
CANADA WEST COAST	EUROPE	62	146	191	3	5	7	(59)	(142)	(185)
CANADA WEST COAST	S. AMERICA E.C.	35	49	70	1	1	2	(35)	(48)	(69)
CENTRAL AMERICA E.C., W. INDIES	ASIA	174	113	137	174	113	137	0	0	0
CENTRAL AMERICA E.C., W. INDIES	C. AMERICA W.C.	307	745	1,817	307	745	1,817	0	0	0
CENTRAL AMERICA E.C., W. INDIES	S. AMERICA W.C.	146	358	301	146	358	846	0	0	545
EUROPE	CANADA WEST COAST	17	17	0	17	17	21	0	0	21
EUROPE	C. AMERICA W.C.	311	519	1,059	224	444	765	(87)	(75)	(295)
EUROPE	U.S. W.C., HAWAII	327	671	1,056	352	720	1,134	24	49	78
EUROPE	S. AMERICA W.C.	367	451	108	58	103	205	(310)	(348)	97
EUROPE	OCEANIA	41	65	0	42	84	133	1	19	133
MIDDLE EAST	S. AMERICA W.C.	35	52	0	35	52	104	0	0	104
S. AMERICA E.C.	ASIA	149	284	0	149	284	288	0	0	288
S. AMERICA E.C.	C. AMERICA W.C.	12	22	23	12	22	39	0	0	16
S. AMERICA E.C.	S. AMERICA W.C.	99	205	0	99	205	406	0	0	406
S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	3	7	12	3	7	12	0	0	0
S. AMERICA W.C.	CANADA EAST COAST	3	6	0	4	6	13	1	(0)	13
S. AMERICA W.C.	EUROPE	189	510	0	117	315	538	(72)	(195)	538
S. AMERICA W.C.	U.S. EAST COAST	225	157	311	203	141	279	(22)	(16)	(31)
S. AMERICA W.C.	S. AMERICA E.C.	0	1	0	256	627	0	256	627	0
U.S. EAST COAST	C. AMERICA W.C.	1,333	107	89	1,187	94	78	(146)	(13)	(11)
U.S. EAST COAST	ASIA	5,920	237	111	6,355	247	117	435	10	6
U.S. EAST COAST	CANADA WEST COAST	164	25	23	113	17	16	(51)	(8)	(7)
U.S. EAST COAST	S. AMERICA W.C.	450	13	11	745	25	10	295	12	(1)
U.S. EAST COAST	OCEANIA	964	77	0	1,366	103	81	402	26	81
U.S. W.C., HAWAII	AFRICA	27	105	0	0	1	3	(26)	(104)	3
U.S. W.C., HAWAII	MIDDLE EAST	0	0	0	0	0	0	(0)	(0)	0
TOTAL		13,009	8,229	8,595	13,440	7,697	18,735	431	(532)	10,140

BULK CHEMICALS, THOUSAND TONNES

ORIGIN	DESTINATION	STATUS QUO TRADE 1990	STATUS QUO TRADE 2020	STATUS QUO TRADE 2060	POTENTIAL TRADE 1990	POTENTIAL TRADE 2020	POTENTIAL TRADE 2060	SHIFTED TRADE 1990	SHIFTED TRADE 2020	SHIFTED TRADE 2060
AFRICA	S. AMERICA W.C.	12	32	58	12	32	58	0	0	0
ASIA	CENTRAL AMERICA E.C., W. INDIES	4	9	7	26	66	87	22	56	80
ASIA	S. AMERICA E.C.	0	0	0	16	5	6	16	5	6
ASIA	U.S. EAST COAST	125	419	446	213	781	1,358	88	362	912
CANADA WEST COAST	EUROPE	4	6	8	164	182	242	160	177	234
CANADA WEST COAST	U.S. EAST COAST	216	725	1,013	186	700	1,006	(30)	(25)	(7)
CENTRAL AMERICA E.C., W. INDIES	ASIA	195	312	259	72	117	139	(123)	(195)	(120)
CENTRAL AMERICA E.C., W. INDIES	C. AMERICA W.C.	3	7	13	3	7	13	0	0	0
CENTRAL AMERICA E.C., W. INDIES	S. AMERICA W.C.	1	3	5	1	3	5	0	0	0
CENTRAL AMERICA E.C., W. INDIES	U.S. W.C., HAWAII	6	10	15	6	10	15	0	0	0
C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	8	22	41	8	22	41	0	0	0
C. AMERICA W.C.	S. AMERICA E.C.	7	19	35	7	19	35	0	0	0
C. AMERICA W.C.	U.S. EAST COAST	145	344	695	145	344	695	0	0	0
EUROPE	CANADA WEST COAST	0	0	0	3	5	6	2	5	6
EUROPE	C. AMERICA W.C.	24	43	0	24	43	71	0	0	71
EUROPE	OCEANIA	126	206	0	47	64	99	(80)	(142)	99
EUROPE	S. AMERICA W.C.	60	110	14	160	288	455	100	177	441
EUROPE	U.S. W.C., HAWAII	5	19	35	17	69	122	12	50	87
OCEANIA	CANADA EAST COAST	0	0	0	0	0	1	0	0	1
OCEANIA	EUROPE	31	169	0	14	73	108	(17)	(97)	108
OCEANIA	S. AMERICA E.C.	0	0	0	1	3	9	1	3	9
OCEANIA	U.S. EAST COAST	1	5	0	1	5	13	0	0	13
S. AMERICA E.C.	ASIA	8	24	0	133	392	495	125	368	495
S. AMERICA E.C.	S. AMERICA W.C.	26	71	0	26	71	132	0	0	132
S. AMERICA E.C.	CANADA WEST COAST	0	0	0	0	0	0	0	0	0
S. AMERICA E.C.	OCEANIA	0	0	0	6	6	7	6	6	7
S. AMERICA E.C.	U.S. W.C., HAWAII	0	0	0	1	2	5	1	2	5
S. AMERICA W.C.	CANADA EAST COAST	0	0	0	1	2	6	1	2	6
S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	0	0	0	0	0	0	0	0	0
S. AMERICA W.C.	EUROPE	21	51	75	282	701	1,242	261	651	1,167
S. AMERICA W.C.	S. AMERICA E.C.	1	2	0	1	2	3	0	0	3
S. AMERICA W.C.	U.S. EAST COAST	82	62	0	123	94	282	42	32	282
U.S. EAST COAST	ASIA	4,109	17,095	25,889	3,373	14,033	21,252	(736)	(3,062)	(4,637)
U.S. EAST COAST	CANADA WEST COAST	48	41	68	6	6	9	(40)	(35)	(59)
U.S. EAST COAST	C. AMERICA W.C.	30	50	86	30	50	86	0	0	0
U.S. EAST COAST	OCEANIA	704	451	662	711	397	565	7	(54)	(96)
U.S. EAST COAST	S. AMERICA W.C.	258	423	488	473	748	1,088	215	325	600
U.S. EAST COAST	U.S. W.C., HAWAII	600	1,927	2,161	600	1,927	2,161	0	0	0
U.S. WEST COAST	AFRICA	0	0	0	136	188	463	136	188	463
U.S. WEST COAST	CANADA EAST COAST	0	0	0	0	0	0	0	0	0

BULK CHEMICALS, THOUSAND TONNES

ORIGIN	DESTINATION	STATUS QUO TRADE			POTENTIAL TRADE			SHIFTED TRADE		
		1990	2020	2060	1990	2020	2060	1990	2020	2060
U.S. W.C., HAWAII	EUROPE	56	201	0	443	947	1,173	387	746	1,173
U.S. W.C., HAWAII	S. AMERICA E.C.	10	4	0	49	23	34	39	19	34
U.S. W.C., HAWAII	U.S. EAST COAST	44	58	86	44	58	86	0	0	0
TOTAL		6,967	22,920	32,161	7,561	22,486	33,674	594	(434)	1,513

PETROLEUM PRODUCTS, THOUSAND TONNES

ORIGIN	DESTINATION	STATUS QUO TRADE 1990	STATUS QUO TRADE 2020	STATUS QUO TRADE 2060	POTENTIAL TRADE 1990	POTENTIAL TRADE 2020	POTENTIAL TRADE 2060	SHIFTED TRADE 1990	SHIFTED TRADE 2020	SHIFTED TRADE 2060
AFRICA	U.S. WEST COAST	54	0	0	55	0	0	1	0	0
ASIA	CENTRAL AMERICA E.C., W. INDIES	5	1	1	9	2	3	4	1	1
ASIA	S. AMERICA E.C.	0	0	0	1	1	1	1	1	1
ASIA	U.S. EAST COAST	83	0	0	1,551	0	0	1,468	0	0
CENTRAL AMERICA E.C., W. INDIES	ASIA	195	161	8	90	74	25	(105)	(87)	17
CENTRAL AMERICA E.C., W. INDIES	C. AMERICA W.C.	532	2,625	1,330	532	2,625	1,330	0	0	0
CENTRAL AMERICA E.C., W. INDIES	S. AMERICA W.C.	531	1,072	1,143	531	1,072	1,143	0	0	0
CENTRAL AMERICA E.C., W. INDIES	U.S. W.C., HAWAII	937	652	141	937	652	141	0	0	0
C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	33	54	28	33	54	28	0	0	0
C. AMERICA W.C.	S. AMERICA E.C.	3	8	13	3	8	13	0	0	0
C. AMERICA W.C.	U.S. EAST COAST	5	0	0	2,052	0	0	2,047	0	0
CANADA EAST COAST	ASIA	145	392	0	145	392	706	0	0	706
CANADA EAST COAST	S. AMERICA W.C.	0	0	0	0	0	1	0	0	1
CANADA WEST COAST	EUROPE	0	0	0	37	60	83	37	60	83
CANADA WEST COAST	S. AMERICA E.C.	0	0	0	1	0	1	1	0	1
CANADA WEST COAST	U.S. EAST COAST	39	37	59	35	33	54	(3)	(3)	(5)
EUROPE	C. AMERICA W.C.	29	44	62	24	44	68	(5)	(1)	6
EUROPE	CANADA WEST COAST	0	0	0	3	2	1	3	2	1
EUROPE	S. AMERICA W.C.	423	13	2	132	4	6	(291)	(9)	4
EUROPE	U.S. WEST COAST	352	171	53	400	194	60	48	23	7
EUROPE	OCEANIA	8	0	0	8	0	0	0	0	0
MIDDLE EAST	U.S. W.C., HAWAII	34	0	0	34	0	0	0	0	0
OCEANIA	CENTRAL AMERICA E.C., W. INDIES	1	0	0	0	0	0	(1)	0	0
OCEANIA	U.S. EAST COAST	144	102	0	589	1,152	1,325	445	1,050	1,325
S. AMERICA E.C.	ASIA	183	151	0	354	292	98	171	141	98
S. AMERICA E.C.	C. AMERICA W.C.	560	2,763	552	560	2,763	1,400	0	0	848
S. AMERICA E.C.	CANADA WEST COAST	0	0	0	26	8	11	26	8	11
S. AMERICA E.C.	S. AMERICA W.C.	501	1,126	0	501	1,126	572	0	0	572
S. AMERICA E.C.	U.S. WEST COAST	707	1,591	0	308	693	352	(399)	(898)	352
S. AMERICA W.C.	CANADA EAST COAST	27	30	0	34	38	0	7	8	0
S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	605	1,002	4	605	1,002	508	0	0	504
S. AMERICA W.C.	EUROPE	27	0	0	24	0	0	(3)	0	0
S. AMERICA W.C.	S. AMERICA E.C.	6	10	0	6	10	5	0	0	5
S. AMERICA W.C.	U.S. EAST COAST	2,157	1,501	0	2,171	1,511	465	14	10	465
U.S. EAST COAST	ASIA	1,531	1,110	1	1,700	1,233	8	170	123	7
U.S. EAST COAST	C. AMERICA W.C.	614	606	204	614	606	204	0	0	0
U.S. EAST COAST	CANADA WEST COAST	0	0	0	1	3	3	1	3	3
U.S. EAST COAST	OCEANIA	201	156	0	136	106	0	(64)	(50)	(0)
U.S. EAST COAST	S. AMERICA W.C.	224	224	24	206	206	69	(18)	(18)	45
U.S. EAST COAST	U.S. W.C., HAWAII	679	580	250	679	580	250	0	0	0

PETROLEUM PRODUCTS, THOUSAND TONNES

ORIGIN	DESTINATION	STATUS QUO TRADE			POTENTIAL TRADE			SHIFTED TRADE		
		1990	2020	2060	1990	2020	2060	1990	2020	2060
U S W.C., HAWAII	CENTRAL AMERICA E C , W INDIES	324	338	108	324	338	108	0	0	0
U S WEST COAST	CANADA EAST COAST	34	21	0	26	16	0	(7)	(4)	0
U S WEST COAST	EUROPE	17	0	0	157	0	0	140	0	0
U S. WEST COAST	S. AMERICA E.C	86	86	0	51	51	17	(36)	(36)	17
U S W.C., HAWAII	U.S. EAST COAST	456	366	157	456	366	157	0	0	0
TOTAL		12,490	16,995	4,140	16,142	17,320	9,215	3,652	325	5,074

OILS AND FATS, THOUSAND TONNES

ORIGIN	DESTINATION	STATUS QUO TRADE 1990	STATUS QUO TRADE 2020	STATUS QUO TRADE 2060	POTENTIAL TRADE 1990	POTENTIAL TRADE 2020	POTENTIAL TRADE 2060	SHIFTED TRADE 1990	SHIFTED TRADE 2020	SHIFTED TRADE 2060
ASIA	CANADA EAST COAST	1	4	0	3	10	11	2	7	11
ASIA	CENTRAL AMERICA E.C., W. INDIES	28	28	42	0	0	0	(28)	(28)	(42)
ASIA	S. AMERICA E.C.	7	16	0	0	0	0	(7)	(16)	0
ASIA	U.S. EAST COAST	117	184	387	434	681	1,628	316	497	1,241
C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	14	28	54	14	28	54	0	0	0
C. AMERICA W.C.	EUROPE	6	10	13	6	10	13	0	0	0
C. AMERICA W.C.	U.S. EAST COAST	3	1	1	3	1	1	0	0	0
CANADA EAST COAST	ASIA	0	0	0	1	2	3	1	2	3
CANADA EAST COAST	C. AMERICA W.C.	1	1	3	1	1	2	(1)	(1)	(1)
CANADA EAST COAST	OCEANIA	0	0	0	0	0	0	0	0	0
CANADA EAST COAST	S. AMERICA W.C.	0	1	0	1	2	5	1	1	5
CANADA EAST COAST	U.S. W.C., HAWAII	0	0	0	0	1	1	0	1	1
CANADA WEST COAST	EUROPE	29	81	98	19	51	65	(11)	(31)	(33)
CANADA WEST COAST	S. AMERICA E.C.	0	0	0	1	0	0	1	0	0
CENTRAL AMERICA E.C., W. INDIES	ASIA	19	45	72	0	1	1	(19)	(44)	(71)
CENTRAL AMERICA E.C., W. INDIES	C. AMERICA W.C.	5	11	20	5	11	20	0	0	0
EUROPE	C. AMERICA W.C.	7	12	25	7	12	25	0	0	0
EUROPE	OCEANIA	12	17	0	12	17	28	0	0	28
EUROPE	S. AMERICA W.C.	4	6	4	7	11	23	3	5	19
EUROPE	U.S. W.C., HAWAII	10	26	29	13	26	42	3	0	13
OCEANIA	EUROPE	5	5	0	5	5	6	0	0	6
OCEANIA	S. AMERICA E.C.	0	0	0	0	0	1	0	0	1
S. AMERICA E.C.	ASIA	0	0	0	8	10	13	8	10	13
S. AMERICA E.C.	OCEANIA	0	0	0	2	4	9	2	4	9
S. AMERICA E.C.	C. AMERICA W.C.	16	35	0	16	35	66	0	0	66
S. AMERICA E.C.	U.S. W.C., HAWAII	34	80	0	34	80	129	0	0	129
S. AMERICA W.C.	EUROPE	86	193	315	121	271	461	35	78	146
S. AMERICA W.C.	U.S. EAST COAST	24	11	20	3	3	5	(21)	(9)	(15)
S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	35	75	90	35	75	142	0	0	52
S. AMERICA W.C.	S. AMERICA E.C.	32	70	0	32	70	130	0	0	130
U.S. EAST COAST	ASIA	66	330	507	42	209	325	(24)	(121)	(182)
U.S. EAST COAST	C. AMERICA W.C.	72	113	214	57	89	160	(15)	(24)	(54)
U.S. EAST COAST	OCEANIA	1	4	0	1	4	8	0	0	8
U.S. EAST COAST	S. AMERICA W.C.	74	21	36	93	26	45	19	5	9
U.S. W.C., HAWAII	AFRICA	0	0	0	1	2	6	1	2	6
U.S. W.C., HAWAII	EUROPE	7	16	16	10	22	22	3	6	6
U.S. W.C., HAWAII	U.S. EAST COAST	12	25	49	12	25	49	0	0	0
TOTAL		729	1,449	1,996	999	1,794	3,500	270	345	1,504

REFRIGERATED CARGO, THOUSAND TONNES

ORIGIN	DESTINATION	STATUS QUO TRADE 1990	STATUS QUO TRADE 2020	STATUS QUO TRADE 2060	POTENTIAL TRADE 1990	POTENTIAL TRADE 2020	POTENTIAL TRADE 2060	SHIFTED TRADE 1990	SHIFTED TRADE 2020	SHIFTED TRADE 2060
AFRICA	CANADA WEST COAST	0	0	0	0	1	4	0	1	4
AFRICA	S. AMERICA W.C.	0	1	1	0	1	1	0	0	0
AFRICA	U.S. W.C., HAWAII	0	0	0	2	5	7	2	5	7
ASIA	CENTRAL AMERICA E.C., W. INDIES	24	89	105	24	89	119	0	0	14
ASIA	CANADA EAST COAST	5	5	14	25	30	65	20	25	51
ASIA	S. AMERICA E.C.	2	2	2	3	3	3	1	0	1
ASIA	U.S. EAST COAST	119	333	641	164	409	793	45	76	151
CENTRAL AMERICA E.C., W. INDIES	ASIA	36	37	43	36	37	43	0	0	0
CENTRAL AMERICA E.C., W. INDIES	S. AMERICA W.C.	2	6	11	2	6	11	0	0	0
C. AMERICA W.C.	AFRICA	1	3	7	1	3	7	0	0	0
C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	99	252	557	99	252	557	0	0	0
C. AMERICA W.C.	CANADA EAST COAST	9	2	5	9	2	5	0	0	0
C. AMERICA W.C.	EUROPE	537	987	1,481	537	987	1,481	0	0	0
C. AMERICA W.C.	S. AMERICA E.C.	58	149	329	58	149	329	0	0	0
C. AMERICA W.C.	U.S. EAST COAST	2	2	4	2	2	4	0	0	0
CANADA EAST COAST	ASIA	54	92	130	44	68	90	(11)	(24)	(40)
CANADA EAST COAST	C. AMERICA W.C.	3	1	2	3	1	2	0	0	0
CANADA EAST COAST	OCEANIA	5	6	0	2	2	5	(3)	(4)	5
CANADA EAST COAST	S. AMERICA W.C.	0	0	0	0	0	1	0	0	1
CANADA EAST COAST	U.S. W.C., HAWAII	1	0	1	1	1	2	1	1	2
CANADA WEST COAST	AFRICA	0	0	0	0	0	1	0	0	1
CANADA WEST COAST	EUROPE	31	56	76	9	16	23	(22)	(40)	(53)
CANADA WEST COAST	S. AMERICA E.C.	0	0	0	0	1	2	0	1	2
EUROPE	C. AMERICA W.C.	2	3	4	2	3	4	0	0	0
EUROPE	CANADA WEST COAST	12	16	27	4	6	9	(8)	(11)	(18)
EUROPE	OCEANIA	13	24	0	13	24	42	0	0	42
EUROPE	S. AMERICA W.C.	6	11	24	11	19	39	5	8	16
EUROPE	U.S. W.C., HAWAII	65	95	142	71	94	140	7	(1)	(2)
MIDDLE EAST	U.S. W.C., HAWAII	1	3	7	1	3	7	0	0	0
OCEANIA	CENTRAL AMERICA E.C., W. INDIES	46	41	113	46	41	113	0	0	0
OCEANIA	CANADA EAST COAST	56	57	0	58	58	108	2	1	108
OCEANIA	EUROPE	327	860	0	327	860	1,288	0	0	1,288
OCEANIA	MIDDLE EAST	0	1	0	0	1	4	0	0	4
OCEANIA	S. AMERICA E.C.	6	18	0	0	0	0	(6)	(18)	0
OCEANIA	U.S. EAST COAST	470	583	190	447	472	836	(23)	(111)	646
S. AMERICA E.C.	ASIA	49	115	92	73	169	213	23	55	121
S. AMERICA E.C.	CANADA WEST COAST	0	1	1	2	5	7	2	4	5
S. AMERICA E.C.	OCEANIA	0	0	0	2	3	7	2	3	7
S. AMERICA E.C.	C. AMERICA W.C.	1	2	2	1	2	2	0	0	0
S. AMERICA E.C.	S. AMERICA W.C.	3	8	0	3	8	10	0	0	10

REFRIGERATED CARGO, THOUSAND TONNES

ORIGIN	DESTINATION	STATUS QUO TRADE			POTENTIAL TRADE			SHIFTED TRADE		
		1990	2020	2060	1990	2020	2060	1990	2020	2060
S. AMERICA E.C.	U.S. W.C., HAWAII	1	3	0	2	4	5	0	0	5
S. AMERICA W.C.	AFRICA	25	64	0	25	64	143	0	0	143
S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	43	110	244	43	110	244	0	0	0
S. AMERICA W.C.	MIDDLE EAST	15	17	0	15	17	18	0	0	18
S. AMERICA W.C.	S. AMERICA E.C.	11	28	0	11	28	61	0	0	61
S. AMERICA W.C.	CANADA EAST COAST	1	1	3	276	431	1,034	275	430	1,032
S. AMERICA W.C.	EUROPE	1,550	5,316	7,687	1,387	4,758	7,059	(163)	(558)	(628)
S. AMERICA W.C.	U.S. EAST COAST	1,156	2,278	3,885	1,370	2,782	4,986	213	504	1,101
U.S. EAST COAST	ASIA	269	930	1,518	216	667	899	(53)	(262)	(619)
U.S. EAST COAST	C. AMERICA W.C.	3	6	12	3	6	12	0	0	0
U.S. EAST COAST	OCEANIA	16	25	0	4	8	13	(12)	(17)	13
U.S. EAST COAST	S. AMERICA W.C.	4	7	16	8	14	31	4	7	15
U.S. W.C., HAWAII	AFRICA	0	0	0	2	5	12	2	5	12
U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIES	3	8	19	3	8	19	0	0	0
U.S. W.C., HAWAII	CANADA EAST COAST	0	1	1	0	0	1	(0)	(0)	(0)
U.S. W.C., HAWAII	EUROPE	236	949	1,093	281	1,133	1,293	46	184	200
U.S. W.C., HAWAII	MIDDLE EAST	2	3	0	2	3	12	0	0	12
U.S. W.C., HAWAII	S. AMERICA E.C.	5	2	0	5	1	3	(0)	(1)	3
U.S. W.C., HAWAII	U.S. EAST COAST	2	3	6	2	3	6	0	0	0
TOTAL		5,389	13,614	18,496	5,740	13,877	22,237	350	263	3,741

VEHICLES, THOUSAND TONNES

ORIGIN	DESTINATION	STATUS QUO TRADE 1990	STATUS QUO TRADE 2020	STATUS QUO TRADE 2060	POTENTIAL TRADE 1990	POTENTIAL TRADE 2020	POTENTIAL TRADE 2060	SHIFTED TRADE 1990	SHIFTED TRADE 2020	SHIFTED TRADE 2060
ASIA	CENTRAL AMERICA E.C., W. INDIES	111	29	107	111	29	28	0	0	(79)
ASIA	S. AMERICA E.C.	4	6	6	11	15	18	7	9	12
ASIA	U.S. EAST COAST	1,249	1,911	1,404	1,253	1,876	2,026	4	(35)	622
CENTRAL AMERICA E.C., W. INDIES	C. AMERICA W.C.	1	2	1	1	2	5	0	0	4
CENTRAL AMERICA E.C., W. INDIES	S. AMERICA W.C.	7	18	12	7	18	33	0	0	21
C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	0	2	1	0	2	5	0	0	4
C. AMERICA W.C.	U.S. EAST COAST	5	2	12	5	2	6	0	0	(6)
CANADA EAST COAST	ASIA	0	1	1	0	1	3	0	0	1
CANADA EAST COAST	S. AMERICA W.C.	1	1	1	1	1	2	0	0	0
EUROPE	C. AMERICA W.C.	9	9	10	9	9	10	0	0	0
EUROPE	CANADA WEST COAST	11	6	11	11	6	6	0	0	(5)
EUROPE	OCEANIA	18	9	0	18	9	12	0	0	12
EUROPE	S. AMERICA W.C.	12	9	16	19	14	19	6	5	3
EUROPE	U.S. W.C., HAWAII	180	258	179	178	254	252	(2)	(3)	73
MIDDLE EAST	S. AMERICA W.C.	1	1	1	1	1	1	0	0	0
OCEANIA	U.S. EAST COAST	0	0	0	0	1	2	0	1	2
S. AMERICA E.C.	ASIA	0	0	0	0	1	1	0	1	1
S. AMERICA E.C.	S. AMERICA W.C.	1	2	1	1	2	2	0	0	0
S. AMERICA E.C.	OCEANIA	0	0	0	1	0	0	1	0	0
S. AMERICA W.C.	EUROPE	0	0	0	0	0	1	0	0	1
S. AMERICA W.C.	S. AMERICA E.C.	0	0	0	0	0	1	0	0	0
S. AMERICA W.C.	U.S. EAST COAST	1	0	2	1	0	1	0	0	(0)
U.S. EAST COAST	ASIA	9	12	9	34	43	44	25	31	35
U.S. EAST COAST	OCEANIA	10	4	10	22	11	11	12	7	2
U.S. EAST COAST	S. AMERICA W.C.	18	34	22	21	33	40	3	(1)	18
U.S. W.C., HAWAII	AFRICA	0	0	0	2	1	2	2	1	2
U.S. W.C., HAWAII	EUROPE	0	0	0	31	64	42	31	64	42
TOTAL		1,647	2,317	1,807	1,736	2,397	2,571	89	80	765

MINOR BULKS, THOUSAND TONNES

ORIGIN	DESTINATION	STATUS QUO TRADE			POTENTIAL TRADE			SHIFTED TRADE		
		1990	2020	2060	1990	2020	2060	1990	2020	2060
AFRICA	S. AMERICA W.C.	3	8	19	3	8	19	0	0	0
AFRICA	U.S. W.C., HAWAII	66	161	0	33	81	148	(33)	(80)	148
ASIA	CENTRAL AMERICA E.C., W. INDIES	340	122	5	248	158	110	(91)	35	105
ASIA	CANADA EAST COAST	135	287	0	236	500	1,129	100	213	1,129
ASIA	S. AMERICA E.C.	70	17	13	101	21	24	32	4	11
ASIA	U.S. EAST COAST	4,581	3,636	742	4,436	3,521	7,308	(145)	(115)	6,566
CENTRAL AMERICA E.C., W. INDIES	ASIA	1,375	893	1,086	1,375	893	1,086	0	0	0
CENTRAL AMERICA E.C., W. INDIES	C. AMERICA W.C.	28	69	168	28	69	168	0	0	0
CENTRAL AMERICA E.C., W. INDIES	CANADA WEST COAST	10	15	30	10	15	30	0	0	0
CENTRAL AMERICA E.C., W. INDIES	OCEANIA	13	19	16	13	19	37	0	0	21
CENTRAL AMERICA E.C., W. INDIES	S. AMERICA W.C.	41	102	90	41	102	240	0	0	150
CENTRAL AMERICA E.C., W. INDIES	U.S. W.C., HAWAII	41	63	55	41	63	55	0	0	0
C. AMERICA W.C.	AFRICA	98	178	263	98	178	263	0	0	0
C. AMERICA W.C.	CANADA EAST COAST	10	4	8	10	4	8	0	0	0
C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	186	447	1,042	186	447	1,042	0	0	0
C. AMERICA W.C.	EUROPE	295	666	276	295	666	899	0	0	623
C. AMERICA W.C.	S. AMERICA E.C.	76	173	341	76	173	341	0	0	0
C. AMERICA W.C.	U.S. EAST COAST	1,381	1,307	1,965	1,381	1,307	1,965	0	0	0
CANADA EAST COAST	ASIA	713	1,483	15	1,221	2,539	3,970	508	1,056	3,955
CANADA EAST COAST	C. AMERICA W.C.	10	14	44	10	14	44	0	0	0
CANADA EAST COAST	OCEANIA	16	27	0	77	131	303	61	104	303
CANADA EAST COAST	S. AMERICA W.C.	15	32	39	93	192	553	78	161	514
CANADA WEST COAST	AFRICA	1,347	2,186	0	1,184	1,921	2,919	(164)	(266)	2,919
CANADA WEST COAST	CENTRAL AMERICA E.C., W. INDIES	20	24	65	20	24	65	0	0	0
CANADA WEST COAST	EUROPE	2,632	4,403	7,155	4,034	6,746	10,964	1,401	2,344	3,809
CANADA WEST COAST	MIDDLE EAST	259	948	2,827	259	948	2,827	0	0	0
CANADA WEST COAST	S. AMERICA E.C.	301	424	0	160	225	322	(142)	(199)	322
CANADA WEST COAST	U.S. EAST COAST	5	11	19	647	1,504	2,539	642	1,493	2,520
EUROPE	C. AMERICA W.C.	293	488	997	293	488	997	0	0	0
EUROPE	CANADA WEST COAST	170	177	42	117	129	177	(53)	(48)	135
EUROPE	OCEANIA	88	137	0	88	137	237	0	0	237
EUROPE	S. AMERICA W.C.	201	246	254	262	321	550	61	75	296
EUROPE	U.S. W.C., HAWAII	794	1,627	2,561	929	1,903	2,996	135	276	435
OCEANIA	CANADA EAST COAST	352	460	0	21	28	50	(331)	(433)	50
OCEANIA	CENTRAL AMERICA E.C., W. INDIES	195	165	0	195	165	468	0	0	468
OCEANIA	EUROPE	191	277	0	191	277	469	0	0	469
OCEANIA	U.S. EAST COAST	782	1,779	0	417	949	949	(365)	(829)	949
S. AMERICA E.C.	ASIA	609	1,163	0	3,848	7,317	7,880	3,239	6,154	7,880
S. AMERICA E.C.	C. AMERICA W.C.	232	424	0	232	424	746	0	0	746
S. AMERICA E.C.	CANADA WEST COAST	94	74	0	45	35	73	(49)	(39)	73

MINOR BULKS, THOUSAND TONNES

ORIGIN	DESTINATION	STATUS QUO TRADE 1990	STATUS QUO TRADE 2020	STATUS QUO TRADE 2060	POTENTIAL TRADE 1990	POTENTIAL TRADE 2020	POTENTIAL TRADE 2060	SHIFTED TRADE 1990	SHIFTED TRADE 2020	SHIFTED TRADE 2060
S. AMERICA E.C.	S. AMERICA W.C.	148	309	0	148	309	612	0	0	612
S. AMERICA E.C.	U.S. W.C., HAWAII	969	1,070	0	947	976	1,769	(22)	(94)	1,769
S. AMERICA W.C.	AFRICA	21	60	0	21	60	118	0	0	118
S. AMERICA W.C.	CANADA EAST COAST	6	10	0	93	174	403	88	164	403
S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	73	157	133	73	157	273	0	0	140
S. AMERICA W.C.	EUROPE	2,114	5,701	3,074	2,277	6,140	11,051	163	439	7,977
S. AMERICA W.C.	MIDDLE EAST	25	28	0	25	28	30	0	0	30
S. AMERICA W.C.	S. AMERICA E.C.	92	225	0	92	225	408	0	0	408
S. AMERICA W.C.	U.S. EAST COAST	1,474	1,026	0	1,631	1,474	2,832	157	448	2,832
U.S. EAST COAST	ASIA	11,073	16,039	24,180	12,853	18,618	28,347	1,781	2,579	4,167
U.S. EAST COAST	C. AMERICA W.C.	291	482	1,432	291	482	1,432	0	0	0
U.S. EAST COAST	OCEANIA	138	176	0	200	257	581	63	81	581
U.S. EAST COAST	S. AMERICA W.C.	317	449	543	491	704	1,508	174	254	965
U.S. EAST COAST	U.S. W.C., HAWAII	1	1	1	1	1	1	0	0	0
U.S. W.C., HAWAII	AFRICA	239	941	0	333	1,310	4,076	94	369	4,076
U.S. W.C., HAWAII	CANADA EAST COAST	16	31	56	16	31	56	0	0	0
U.S. W.C., HAWAII	EUROPE	1,357	5,510	0	945	3,837	5,838	(412)	(1,673)	5,838
U.S. W.C., HAWAII	S. AMERICA E.C.	193	245	0	93	118	191	(100)	(127)	191
U.S. W.C., HAWAII	U.S. EAST COAST	191	210	246	191	210	246	0	0	0
TOTAL		36,806	57,404	49,802	43,674	69,751	114,742	6,868	12,346	64,940

CONTAINERIZED CARGO, THOUSAND TONNES

ORIGIN	DESTINATION	STATUS QUO TRADE 1990	STATUS QUO TRADE 2020	STATUS QUO TRADE 2060	POTENTIAL TRADE 1990	POTENTIAL TRADE 2020	POTENTIAL TRADE 2060	SHIFTED TRADE 1990	SHIFTED TRADE 2020	SHIFTED TRADE 2060
AFRICA	C. AMERICA W.C	1	2	4	1	2	4	0	0	0
AFRICA	CANADA WEST COAST	1	1	4	0	1	2	(0)	(0)	(1)
AFRICA	U.S. W.C., HAWAII	3	8	23	55	127	368	51	119	345
ASIA	CANADA EAST COAST	366	682	739	226	425	813	(140)	(257)	74
ASIA	CENTRAL AMERICA E.C., W. INDIES	503	2,206	1,326	503	2,206	2,945	0	0	1,619
ASIA	S. AMERICA E.C.	86	67	77	70	40	47	(16)	(27)	(30)
ASIA	U.S. EAST COAST	4,910	9,713	10,521	3,922	7,759	8,405	(988)	(1,954)	(2,117)
C. AMERICA W.C.	AFRICA	1	3	7	1	3	7	0	0	0
C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	26	72	133	26	72	133	0	0	0
C. AMERICA W.C.	EUROPE	43	58	87	43	58	87	0	0	0
C. AMERICA W.C.	S. AMERICA E.C.	3	8	15	3	8	15	0	0	0
C. AMERICA W.C.	U.S. EAST COAST	3	3	5	3	3	5	0	0	0
CENTRAL AMERICA E.C., W. INDIES	ASIA	159	103	121	159	103	121	0	0	0
CENTRAL AMERICA E.C., W. INDIES	C. AMERICA W.C.	19	52	95	19	52	95	0	0	0
CENTRAL AMERICA E.C., W. INDIES	CANADA WEST COAST	1	1	2	1	1	2	0	0	0
CENTRAL AMERICA E.C., W. INDIES	OCEANIA	5	10	27	5	10	27	0	0	0
CENTRAL AMERICA E.C., W. INDIES	S. AMERICA W.C.	68	187	343	68	187	343	0	0	0
CENTRAL AMERICA E.C., W. INDIES	U.S. W.C., HAWAII	24	24	53	24	24	53	0	0	0
CANADA EAST COAST	ASIA	218	561	658	730	1,878	2,203	512	1,317	1,545
CANADA EAST COAST	C. AMERICA W.C.	0	1	2	0	1	2	0	0	0
CANADA EAST COAST	OCEANIA	105	193	0	76	124	241	(29)	(68)	241
CANADA EAST COAST	S. AMERICA W.C.	2	4	9	38	51	122	36	47	113
CANADA EAST COAST	U.S. W.C., HAWAII	51	136	246	8	19	34	(44)	(117)	(213)
CANADA WEST COAST	AFRICA	0	0	0	18	82	325	18	82	325
CANADA WEST COAST	EUROPE	241	491	511	756	1,680	2,235	516	1,189	1,724
CANADA WEST COAST	S. AMERICA E.C.	8	12	30	63	91	222	54	79	192
CANADA WEST COAST	U.S. EAST COAST	0	0	1	2	5	8	2	4	7
EUROPE	C. AMERICA W.C.	29	49	88	29	49	88	0	0	0
EUROPE	CANADA WEST COAST	182	311	336	94	158	171	(88)	(152)	(165)
EUROPE	OCEANIA	575	1,075	0	575	1,075	1,569	0	0	1,569
EUROPE	S. AMERICA W.C.	589	924	1,635	501	706	1,206	(88)	(218)	(429)
EUROPE	U.S. W.C., HAWAII	1,602	2,735	2,963	1,421	2,427	2,629	(180)	(308)	(334)
MIDDLE EAST	S. AMERICA W.C.	1	1	0	1	1	2	0	0	2
MIDDLE EAST	U.S. W.C., HAWAII	36	112	236	36	112	236	0	0	0
OCEANIA	CANADA EAST COAST	47	81	0	15	25	48	(32)	(56)	48
OCEANIA	CENTRAL AMERICA E.C., W. INDIES	13	10	24	13	10	24	0	0	0
OCEANIA	EUROPE	144	322	0	144	322	423	0	0	423
OCEANIA	S. AMERICA E.C.	0	0	0	32	57	104	32	57	104
OCEANIA	U.S. EAST COAST	242	422	13	729	1,188	1,733	486	766	1,720
S. AMERICA E.C.	ASIA	49	67	0	345	473	577	296	406	577

CONTAINERIZED CARGO, THOUSAND TONNES

ORIGIN	DESTINATION	STATUS QUO TRADE			POTENTIAL TRADE			SHIFTED TRADE		
		1990	2020	2060	1990	2020	2060	1990	2020	2060
S. AMERICA E.C.	C. AMERICA W.C.	18	50	0	18	50	92	0	0	92
S. AMERICA E.C.	CANADA WEST COAST	27	49	0	32	65	126	5	16	126
S. AMERICA E.C.	OCEANIA	0	0	0	74	113	261	74	113	260
S. AMERICA E.C.	S. AMERICA W.C.	50	140	0	50	140	255	0	0	255
S. AMERICA E.C.	U.S. W.C., HAWAII	94	235	20	148	331	650	54	97	630
S. AMERICA W.C.	CANADA EAST COAST	1	2	2	72	136	162	71	135	159
S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	39	108	198	39	108	198	0	0	0
S. AMERICA W.C.	EUROPE	577	1,489	2,286	1,638	4,227	6,570	1,061	2,739	4,284
S. AMERICA W.C.	S. AMERICA E.C.	16	43	0	16	43	79	0	0	79
S. AMERICA W.C.	U.S. EAST COAST	609	962	2,143	926	1,463	3,260	317	501	1,117
U.S. EAST COAST	ASIA	6,393	16,447	19,294	4,872	13,153	18,040	(1,521)	(3,293)	(1,254)
U.S. EAST COAST	C. AMERICA W.C.	27	75	152	27	75	152	0	0	0
U.S. EAST COAST	OCEANIA	536	1,861	3,460	516	1,564	3,000	(20)	(298)	(460)
U.S. EAST COAST	S. AMERICA W.C.	575	1,502	3,069	625	1,632	3,390	50	130	321
U.S. EAST COAST	U.S. W.C., HAWAII	26	26	26	26	26	26	0	0	0
U.S. W.C., HAWAII	AFRICA	36	109	0	155	479	1,431	119	370	1,431
U.S. W.C., HAWAII	CANADA EAST COAST	3	5	7	32	46	64	29	40	57
U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIES	42	119	254	42	119	254	0	0	0
U.S. W.C., HAWAII	EUROPE	1,290	2,628	2,735	1,312	2,673	3,230	22	45	495
U.S. W.C., HAWAII	MIDDLE EAST	28	100	0	28	100	346	0	0	346
U.S. W.C., HAWAII	S. AMERICA E.C.	12	4	0	135	41	73	124	38	73
U.S. W.C., HAWAII	U.S. EAST COAST	85	172	335	85	172	335	0	0	0
TOTAL		20,840	46,835	54,313	21,623	48,375	69,664	783	1,541	15,350

GENERAL CARGO, THOUSAND TONNES

ORIGIN	DESTINATION	STATUS QUO TRADE 1990	STATUS QUO TRADE 2020	STATUS QUO TRADE 2060	POTENTIAL TRADE 1990	POTENTIAL TRADE 2020	POTENTIAL TRADE 2060	SHIFTED TRADE 1990	SHIFTED TRADE 2020	SHIFTED TRADE 2060
AFRICA	CANADA WEST COAST	0	1	1	0	0	0	(0)	(1)	(1)
AFRICA	S. AMERICA W.C.	1	2	4	1	2	4	0	0	0
AFRICA	U.S. W.C., HAWAII	1	2	7	0	0	1	(0)	(2)	(6)
ASIA	CENTRAL AMERICA E.C., W. INDIES	598	1,264	1,921	598	1,264	2,307	0	0	386
ASIA	CANADA EAST COAST	10	11	15	3	3	6	(7)	(7)	(9)
ASIA	S. AMERICA E.C.	60	106	228	3	6	12	(57)	(100)	(216)
ASIA	U.S. EAST COAST	510	1,376	1,585	131	353	612	(379)	(1,023)	(973)
C. AMERICA W.C.	AFRICA	7	17	34	7	17	34	0	0	0
C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	17	42	79	17	42	79	0	0	0
C. AMERICA W.C.	EUROPE	176	236	710	176	236	710	0	0	0
C. AMERICA W.C.	S. AMERICA E.C.	2	4	6	2	4	6	0	0	0
C. AMERICA W.C.	U.S. EAST COAST	25	35	74	25	35	74	0	0	0
CENTRAL AMERICA E.C., W. INDIES	ASIA	93	226	370	93	226	370	0	0	0
CENTRAL AMERICA E.C., W. INDIES	C. AMERICA W.C.	8	23	47	8	23	47	0	0	0
CENTRAL AMERICA E.C., W. INDIES	CANADA WEST COAST	24	70	133	24	70	133	0	0	0
CENTRAL AMERICA E.C., W. INDIES	OCEANIA	6	18	35	6	18	35	0	0	0
CENTRAL AMERICA E.C., W. INDIES	S. AMERICA W.C.	49	131	244	49	131	277	0	0	33
CENTRAL AMERICA E.C., W. INDIES	U.S. W.C., HAWAII	22	63	94	22	63	94	0	0	0
CANADA EAST COAST	ASIA	182	544	75	26	77	172	(156)	(467)	97
CANADA EAST COAST	C. AMERICA W.C.	6	9	22	6	9	22	0	0	0
CANADA EAST COAST	OCEANIA	0	0	0	1	1	3	1	1	3
CANADA EAST COAST	S. AMERICA W.C.	19	31	0	1	1	2	(18)	(30)	2
CANADA EAST COAST	U.S. W.C., HAWAII	0	0	0	1	1	2	1	1	2
CANADA WEST COAST	AFRICA	279	1,246	662	0	0	0	(279)	(1,245)	(662)
CANADA WEST COAST	ASIA	3	4	0	3	4	5	0	0	5
CANADA WEST COAST	CENTRAL AMERICA E.C., W. INDIES	38	80	202	38	80	202	0	0	0
CANADA WEST COAST	EUROPE	2,159	5,784	9,837	1	2	3	(2,158)	(5,782)	(9,833)
CANADA WEST COAST	MIDDLE EAST	4	12	25	4	12	25	0	0	0
CANADA WEST COAST	S. AMERICA E.C.	100	166	429	0	1	2	(99)	(166)	(427)
CANADA WEST COAST	U.S. EAST COAST	611	1,705	3,461	0	0	0	(611)	(1,704)	(3,461)
EUROPE	C. AMERICA W.C.	115	248	496	115	248	496	0	0	0
EUROPE	CANADA WEST COAST	72	147	177	1	3	6	(70)	(145)	(171)
EUROPE	OCEANIA	139	318	0	139	318	654	0	0	654
EUROPE	S. AMERICA W.C.	293	647	1,088	11	23	52	(283)	(624)	(1,036)
EUROPE	U.S. W.C., HAWAII	165	619	978	13	51	80	(151)	(569)	(898)
MIDDLE EAST	S. AMERICA W.C.	1	4	0	1	4	8	0	0	8
MIDDLE EAST	U.S. W.C., HAWAII	2	5	3	2	5	22	0	0	19
OCEANIA	CANADA EAST COAST	1	2	0	0	0	0	(1)	(2)	0
OCEANIA	CENTRAL AMERICA E.C., W. INDIES	57	36	82	57	36	82	0	0	0
OCEANIA	EUROPE	45	112	0	45	112	171	0	0	171

GENERAL CARGO, THOUSAND TONNES

ORIGIN	DESTINATION	STATUS QUO TRADE 1990	STATUS QUO TRADE 2020	STATUS QUO TRADE 2060	POTENTIAL TRADE 1990	POTENTIAL TRADE 2020	POTENTIAL TRADE 2060	SHIFTED TRADE 1990	SHIFTED TRADE 2020	SHIFTED TRADE 2060
OCEANIA	S. AMERICA E.C.	50	95	0	50	95	237	0	0	237
OCEANIA	U.S. EAST COAST	310	457	13	1	2	2	(309)	(456)	(11)
S. AMERICA E.C.	ASIA	648	1,017	0	1	2	3	(647)	(1,015)	3
S. AMERICA E.C.	C. AMERICA W.C.	25	55	0	25	55	105	0	0	105
S. AMERICA E.C.	CANADA WEST COAST	34	86	0	2	6	14	(32)	(80)	14
S. AMERICA E.C.	OCEANIA	0	1	2	1	4	7	1	3	5
S. AMERICA E.C.	S. AMERICA W.C.	103	284	0	103	284	573	0	0	573
S. AMERICA E.C.	U.S. W.C., HAWAII	65	302	0	1	4	10	(64)	(298)	10
S. AMERICA W.C.	AFRICA	90	206	379	90	206	379	0	0	0
S. AMERICA W.C.	CANADA EAST COAST	3	6	0	1	1	3	(3)	(5)	3
S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	86	213	322	86	213	458	0	0	136
S. AMERICA W.C.	EUROPE	1,713	3,728	5,536	6	12	21	(1,708)	(3,716)	(5,515)
S. AMERICA W.C.	S. AMERICA E.C.	72	181	0	72	181	357	0	0	357
S. AMERICA W.C.	U.S. EAST COAST	451	637	1,435	9	12	28	(443)	(624)	(1,407)
U.S. EAST COAST	ASIA	1,271	4,711	7,875	305	1,129	1,887	(966)	(3,582)	(5,987)
U.S. EAST COAST	C. AMERICA W.C.	51	111	239	51	111	239	0	0	0
U.S. EAST COAST	OCEANIA	90	220	31	20	49	82	(70)	(171)	51
U.S. EAST COAST	S. AMERICA W.C.	434	1,246	2,722	18	52	122	(416)	(1,193)	(2,600)
U.S. EAST COAST	U.S. W.C., HAWAII	25	60	66	25	60	66	0	0	0
U.S. W.C., HAWAII	AFRICA	118	325	965	1	2	6	(117)	(323)	(959)
U.S. W.C., HAWAII	CANADA EAST COAST	0	2	2	0	1	1	(0)	(1)	(1)
U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIES	1	2	4	1	2	4	0	0	0
U.S. W.C., HAWAII	EUROPE	390	1,081	1,466	23	63	85	(367)	(1,018)	(1,381)
U.S. W.C., HAWAII	S. AMERICA E.C.	22	71	0	0	1	1	(21)	(70)	1
U.S. W.C., HAWAII	U.S. EAST COAST	29	37	70	29	37	70	0	0	0
TOTAL		11,980	30,477	44,251	2,549	6,065	11,572	(9,431)	(24,413)	(32,679)

3.0 ASSIGNMENT OF COMMODITIES TO SHIP CARGOES BY SHIP TYPE

After projecting commodity flows through the Canal for each of the 14 commodities by route for 2020 and 2060, as described in the last section of this volume, the commodity flows had to be converted into cargoes in order to be assigned to ships. That is, each of the ship types in the study carry more than one commodity type. To determine the number of ship transits, one needs the forecasts to be in terms of ship cargoes rather than commodities. **The cargoes are defined by the ship type.**

Thus, for example, bulk grain flows need to be divided among ship types, as do iron ore flows, and so forth. Each commodity is divided up among the 10 cargo ship types, and these partial cargoes are summed to cargoes by ship type.

To gain an understanding of how this works, turn to the allocation tables. The first significant set of entries is for the route, U.S. West Coast to U.S. East Coast, for 1990. These are the actual data. Each row for this route corresponds to a different commodity, one row for each of the commodities observed on that route (10 in this example) and a final row for the total. The entries in each row are the percentages of the commodity to which the row corresponds. These are observed to transit on each of the ten types of cargo ships. Thus, for example, on this routes, 93% of bulk chemicals are observed to transit on chemical tankers and 7% on oil tankers.

All of the data shown for 1990, that is, the data in the first table, are actual data from the PCC tape. For 2020 and 2060 the percentages are modified if the assumptions behind our fleet forecasts imply a shifting of cargoes from one ship type to another. On the route, U.S. East Coast to Asia, for example, we have shifted Alumina/Bauxite from 0%, 0%, and 17% on container/breakbulk, fully cellular container, and conventional general cargo ships, respectively, to 5%, 5%, and 7%, based on our view as to the increasing use of containers for all commodities.

In 2020 and 2060, the commodities are distributed across ship types according to these percentages. The columns are then summed across the different commodities for each route to obtain the cargoes on that route for each ship type. As described in Volume 5 of the Final Report on this study, these cargoes are then distributed across the ship sizes to obtain the number of transits.

In the PCC data, three general categories of data are recorded for each transit. These are:

1. Information on the voyage;

2. Information on the transit, including total tons of cargo; and

3. Information on the cargo itself, in which tons of each commodity in the ship's cargo are recorded by PCC commodity type, along with the origin and destination of each cargo.

Most of the data used in our study come from record #3. This is for two reasons:

1. the study revolves around world commodity flows as the driving force behind shipping;

2. the origins and destinations are given in substantially more detail for cargoes than for ships.

The transit information records the loading of the ship and the date of the transit, but provides no other information used in this study. A fourth set of information, the ship record, is the same for all transits of a given ship, the PCC ship number being attached to each of the other records. Ship type, name, flag, DWT and the like are all obtained from the ship record.

As described in Volume 5 of this Final Report, in order to have a one-to-one correspondence between ships, cargoes and commodities, these ships were distributed across routes according to the commodities. Thus, if, in one transit, we observed a dry bulk carrier carrying a load of nothing but grain, then one dry bulk carrier transit is recorded on the route associated with the grain.

However, if 40% of the cargo, by weight, is grain with one origin and destination and 60% is fertilizer, with another origin and destination, then 0.4 ships are recorded on the one route and 0.6 ships on the other.

Thus, the allocation tables are truly allocations of commodities to ship types, since we have forced the ships to line up with the commodities. The result of this approach is that we have fractional ships for a given ship type and route combination. This is not surprising in the forecast, **but it is also the case for the 1990 transit data. If this were not the case, the allocation table would have had to be of a higher dimensionality, and we would not have been able to print, much less analyze it.**

ALLOCATION OF COMMODITIES TO SHIPS, 1990

ORIGIN	DESTINATION	COMMODITY GROUP	CB	CD	CT	F	G	LP	R	RR	T	V	OTHER	TOTAL
S. AMERICA W.C.	CANADA EAST COAST	GENERAL CARGO	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100.0%
U.S. W.C., HAWAII	U.S. EAST COAST	CHEMICALS	0%	0%	93%	0%	0%	0%	0%	0%	7%	0%	0%	100.0%
U.S. W.C., HAWAII	U.S. EAST COAST	CONTAINERIZED C	2%	0%	0%	96%	0%	0%	0%	3%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	U.S. EAST COAST	CRUDE OIL	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100.0%
U.S. W.C., HAWAII	U.S. EAST COAST	GENERAL CARGO	0%	0%	15%	0%	0%	0%	0%	0%	0%	0%	84%	100.0%
U.S. W.C., HAWAII	U.S. EAST COAST	LIQUIFIED PETRO	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	U.S. EAST COAST	MINOR BULKS	0%	87%	13%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	U.S. EAST COAST	OILS & FATS	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	U.S. EAST COAST	PETROLEUM PRODU	0%	0%	38%	0%	0%	0%	0%	0%	62%	0%	0%	100.0%
U.S. W.C., HAWAII	U.S. EAST COAST	REFRIGERATED CA	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	U.S. EAST COAST	VEHICLES	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	U.S. EAST COAST	TOTAL	0%	17%	26%	8%	0%	0%	0%	0%	46%	0%	2%	100.0%
U.S. W.C., HAWAII	CANADA EAST COAST	COAL & COKE	18%	82%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	CANADA EAST COAST	CONTAINERIZED C	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	CANADA EAST COAST	GENERAL CARGO	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	CANADA EAST COAST	MINOR BULKS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	CANADA EAST COAST	PETROLEUM PRODU	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100.0%
U.S. W.C., HAWAII	CANADA EAST COAST	REFRIGERATED CA	0%	0%	0%	37%	0%	0%	0%	0%	0%	0%	63%	100.0%
U.S. W.C., HAWAII	CANADA EAST COAST	TOTAL	13%	68%	0%	2%	0%	0%	0%	0%	18%	0%	0%	100.0%
S. AMERICA W.C.	S. AMERICA E.C.	FERTILIZERS	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0.0%
U.S. W.C., HAWAII	CENTRAL AMERICA E.C.	COAL & COKE	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	CENTRAL AMERICA E.C.	CONTAINERIZED C	46%	0%	0%	35%	0%	0%	0%	19%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	CENTRAL AMERICA E.C.	GENERAL CARGO	0%	0%	0%	0%	24%	0%	0%	0%	0%	0%	76%	100.0%
U.S. W.C., HAWAII	CENTRAL AMERICA E.C.	PETROLEUM PRODU	0%	0%	11%	0%	0%	0%	0%	0%	89%	0%	0%	100.0%
U.S. W.C., HAWAII	CENTRAL AMERICA E.C.	REFRIGERATED CA	96%	0%	0%	4%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	CENTRAL AMERICA E.C.	VEHICLES	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	CENTRAL AMERICA E.C.	TOTAL	6%	6%	9%	4%	0%	0%	0%	2%	74%	0%	0%	100.0%
S. AMERICA W.C.	S. AMERICA E.C.	TOTAL												
U.S. W.C., HAWAII	S. AMERICA E.C.	CHEMICALS	0%	0%	99%	0%	0%	0%	1%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	S. AMERICA E.C.	COAL & COKE	0%	80%	0%	0%	20%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	S. AMERICA E.C.	CONTAINERIZED C	77%	5%	0%	0%	18%	0%	0%	0%	0%	0%	0%	100.0%

ALLOCATION OF COMMODITIES TO SHIPS, 1990

ORIGIN	DESTINATION	COMMODITY GROUP	CB	CD	CT	F	G	LP	R	RR	T	V	OTHER	TOTAL
U.S. W.C., HAWAII	S. AMERICA E.C.	GENERAL CARGO	94%	0%	0%	0%	5%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	S. AMERICA E.C.	MINOR BULKS	4%	96%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	S. AMERICA E.C.	PETROLEUM PRODU	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100.0%
U.S. W.C., HAWAII	S. AMERICA E.C.	REFRIGERATED CA	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	S. AMERICA E.C.	TOTAL	11%	58%	3%	0%	2%	0%	1%	0%	25%	0%	0%	100.0%
S. AMERICA W.C.	EUROPE	OILS & FATS												
U.S. W.C., HAWAII	EUROPE	CHEMICALS	0%	1%	99%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	EUROPE	COAL & COKE	2%	98%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	EUROPE	CONTAINERIZED C	8%	11%	0%	81%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	EUROPE	GENERAL CARGO	42%	40%	0%	6%	12%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	EUROPE	GRAINS	0%	87%	0%	0%	13%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	EUROPE	IRON ORE & CONC	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	EUROPE	LIQUIFIED PETRO	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	EUROPE	MINOR BULKS	2%	97%	0%	0%	0%	0%	1%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	EUROPE	OILS & FATS	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	EUROPE	PETROLEUM PRODU	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	EUROPE	REFRIGERATED CA	1%	1%	0%	31%	0%	0%	67%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	EUROPE	SOYBEANS & OILS	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	EUROPE	TOTAL	6%	68%	1%	20%	1%	0%	3%	0%	0%	0%	0%	100.0%
OCEANIA	U.S. EAST COAST	COAL & COKE												
U.S. W.C., HAWAII	AFRICA	CONTAINERIZED C	41%	59%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	AFRICA	FERTILIZERS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	AFRICA	GENERAL CARGO	19%	74%	0%	0%	8%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	AFRICA	GRAINS	1%	91%	0%	0%	0%	0%	0%	0%	6%	0%	2%	100.0%
U.S. W.C., HAWAII	AFRICA	MINOR BULKS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	AFRICA	PETROLEUM PRODU	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100.0%
U.S. W.C., HAWAII	AFRICA	TOTAL	3%	90%	0%	0%	1%	0%	0%	0%	4%	0%	1%	100.0%
CANADA WEST COAST	U.S. EAST COAST	CHEMICALS	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	U.S. EAST COAST	CONTAINERIZED C	0%	17%	0%	0%	0%	0%	0%	0%	0%	0%	83%	100.0%
CANADA WEST COAST	U.S. EAST COAST	CRUDE OIL	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100.0%
CANADA WEST COAST	U.S. EAST COAST	GENERAL CARGO	9%	91%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%

ALLOCATION OF COMMODITIES TO SHIPS, 1990

ORIGIN	DESTINATION	COMMODITY GROUP	CB	CD	CT	F	G	LP	R	RR	T	V	OTHER	TOTAL
CANADA WEST COAST	U.S. EAST COAST	MINOR BULKS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	U.S. EAST COAST	PETROLEUM PRODU	0%	0%	47%	0%	0%	0%	0%	0%	53%	0%	0%	100.0%
CANADA WEST COAST	U.S. EAST COAST	TOTAL	5%	53%	22%	0%	0%	0%	0%	0%	19%	0%	0%	100.0%
OCEANIA	CENTRAL AMERICA E.C.	CONTAINERIZED COMMODITIES												
CANADA WEST COAST	CENTRAL AMERICA E.C.	FERTILIZERS	0%	63%	0%	0%	37%	0%	0%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	CENTRAL AMERICA E.C.	GENERAL CARGO	0%	94%	0%	0%	5%	0%	0%	1%	0%	0%	0%	100.0%
CANADA WEST COAST	CENTRAL AMERICA E.C.	MINOR BULKS	0%	2%	0%	0%	98%	0%	0%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	CENTRAL AMERICA E.C.	TOTAL	0%	63%	0%	0%	37%	0%	0%	0%	0%	0%	0%	100.0%
OCEANIA	CENTRAL AMERICA E.C.	TOTAL												
CANADA WEST COAST	S. AMERICA E.C.	COAL & COKE	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	S. AMERICA E.C.	CONTAINERIZED C	38%	62%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	S. AMERICA E.C.	FERTILIZERS	0%	60%	0%	0%	40%	0%	0%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	S. AMERICA E.C.	GENERAL CARGO	61%	16%	0%	0%	23%	0%	0%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	S. AMERICA E.C.	GRAINS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	S. AMERICA E.C.	MINOR BULKS	24%	76%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	S. AMERICA E.C.	TOTAL	25%	68%	0%	0%	7%	0%	0%	0%	0%	0%	0%	100.0%
OCEANIA	EUROPE	CHEMICALS												
CANADA WEST COAST	EUROPE	CHEMICALS	0%	0%	95%	5%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	EUROPE	COAL & COKE	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	EUROPE	CONTAINERIZED C	7%	29%	0%	64%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	EUROPE	FERTILIZERS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	EUROPE	GENERAL CARGO	31%	66%	0%	3%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	EUROPE	GRAINS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	EUROPE	MINOR BULKS	1%	99%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	EUROPE	OILS & FATS	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	EUROPE	REFRIGERATED CA	1%	16%	0%	47%	0%	0%	37%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	EUROPE	VEHICLES	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	EUROPE	TOTAL	10%	86%	0%	3%	0%	0%	0%	0%	0%	0%	0%	100.0%
ASIA	U.S. EAST COAST	CONTAINERIZED COMMODITIES												
CANADA WEST COAST	AFRICA	GENERAL CARGO	8%	88%	0%	0%	0%	0%	4%	0%	0%	0%	0%	100.0%

ALLOCATION OF COMMODITIES TO SHIPS, 1990

ORIGIN	DESTINATION	COMMODITY GROUP	CB	CD	CT	F	G	LP	R	RR	T	V	OTHER	TOTAL
CANADA WEST COAST	AFRICA	GRAINS	34%	66%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	AFRICA	MINOR BULKS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	AFRICA	SOYBEANS & OILS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	AFRICA	TOTAL	3%	96%	0%	0%	0%	0%	1%	0%	0%	0%	0%	100.0%
ASIA	U.S. EAST COAST	REFRIGERATED CARGO												
CANADA WEST COAST	MIDDLE EAST	GENERAL CARGO	0%	49%	0%	0%	51%	0%	0%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	MIDDLE EAST	MINOR BULKS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	MIDDLE EAST	TOTAL	0%	99%	0%	0%	1%	0%	0%	0%	0%	0%	0%	100.0%
ASIA	CANADA EAST COAST	BAUXITE & ALUMINA												
C. AMERICA W.C.	U.S. EAST COAST	CHEMICALS	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
C. AMERICA W.C.	U.S. EAST COAST	CONTAINERIZED C	17%	0%	0%	80%	2%	0%	0%	0%	0%	0%	1%	100.0%
C. AMERICA W.C.	U.S. EAST COAST	GENERAL CARGO	53%	15%	0%	0%	30%	0%	0%	2%	0%	0%	0%	100.0%
C. AMERICA W.C.	U.S. EAST COAST	IRON ORE & CONC	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
C. AMERICA W.C.	U.S. EAST COAST	MINOR BULKS	0%	83%	10%	0%	3%	0%	0%	0%	4%	0%	0%	100.0%
C. AMERICA W.C.	U.S. EAST COAST	OILS & FATS	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
C. AMERICA W.C.	U.S. EAST COAST	PETROLEUM PRODU	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100.0%
C. AMERICA W.C.	U.S. EAST COAST	REFRIGERATED CA	0%	0%	0%	34%	0%	0%	66%	0%	0%	0%	0%	100.0%
C. AMERICA W.C.	U.S. EAST COAST	VEHICLES	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100.0%
C. AMERICA W.C.	U.S. EAST COAST	TOTAL	1%	75%	17%	0%	3%	0%	0%	0%	4%	0%	0%	100.0%
ASIA	CENTRAL AMERICA E.C.	CONTAINERIZED COMMODITIES												
C. AMERICA W.C.	CENTRAL AMERICA E.C.	CHEMICALS	0%	1%	99%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
C. AMERICA W.C.	CENTRAL AMERICA E.C.	CONTAINERIZED C	79%	5%	0%	7%	9%	0%	0%	0%	0%	0%	0%	100.0%
C. AMERICA W.C.	CENTRAL AMERICA E.C.	FERTILIZERS	10%	87%	0%	0%	0%	3%	0%	0%	0%	0%	0%	100.0%
C. AMERICA W.C.	CENTRAL AMERICA E.C.	GENERAL CARGO	0%	63%	0%	0%	37%	0%	0%	0%	0%	0%	0%	100.0%
C. AMERICA W.C.	CENTRAL AMERICA E.C.	GRAINS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
C. AMERICA W.C.	CENTRAL AMERICA E.C.	MINOR BULKS	0%	53%	22%	0%	18%	0%	2%	0%	5%	0%	0%	100.0%
C. AMERICA W.C.	CENTRAL AMERICA E.C.	OILS & FATS	0%	0%	67%	0%	0%	0%	0%	0%	33%	0%	0%	100.0%
C. AMERICA W.C.	CENTRAL AMERICA E.C.	PETROLEUM PRODU	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100.0%
C. AMERICA W.C.	CENTRAL AMERICA E.C.	REFRIGERATED CA	0%	0%	0%	0%	0%	0%	49%	0%	0%	0%	50%	100.0%
C. AMERICA W.C.	CENTRAL AMERICA E.C.	SOYBEANS & OILS	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	100.0%
C. AMERICA W.C.	CENTRAL AMERICA E.C.	VEHICLES	0%	44%	0%	0%	1%	0%	0%	0%	0%	55%	0%	100.0%
C. AMERICA W.C.	CENTRAL AMERICA E.C.	TOTAL	7%	56%	8%	0%	6%	1%	7%	0%	7%	0%	7%	100.0%

ALLOCATION OF COMMODITIES TO SHIPS, 1990

ORIGIN	DESTINATION	COMMODITY GROUP	CB	CD	CT	F	G	LP	R	RR	T	V	OTHER	TOTAL
ASIA	S. AMERICA E.C.	CHEMICALS												
C. AMERICA W.C.	S. AMERICA E.C.	CHEMICALS	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
C. AMERICA W.C.	S. AMERICA E.C.	CONTAINERIZED C	24%	19%	0%	44%	11%	0%	0%	3%	0%	0%	0%	100.0%
C. AMERICA W.C.	S. AMERICA E.C.	FERTILIZERS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
C. AMERICA W.C.	S. AMERICA E.C.	GENERAL CARGO	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
C. AMERICA W.C.	S. AMERICA E.C.	MINOR BULKS	0%	71%	0%	0%	29%	0%	0%	0%	0%	0%	0%	100.0%
C. AMERICA W.C.	S. AMERICA E.C.	PETROLEUM PRODU	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100.0%
C. AMERICA W.C.	S. AMERICA E.C.	REFRIGERATED CA	0%	0%	0%	0%	0%	0%	3%	0%	0%	0%	97%	100.0%
C. AMERICA W.C.	S. AMERICA E.C.	TOTAL	1%	39%	5%	1%	14%	0%	1%	0%	2%	0%	37%	100.0%
C. AMERICA W.C.	EUROPE	CONTAINERIZED C	23%	28%	0%	26%	11%	0%	2%	11%	0%	0%	0%	100.0%
C. AMERICA W.C.	EUROPE	GENERAL CARGO	39%	0%	0%	1%	33%	0%	4%	23%	0%	0%	0%	100.0%
C. AMERICA W.C.	EUROPE	MINOR BULKS	0%	67%	17%	0%	5%	0%	0%	0%	11%	0%	0%	100.0%
C. AMERICA W.C.	EUROPE	OILS & FATS	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
C. AMERICA W.C.	EUROPE	REFRIGERATED CA	0%	0%	0%	0%	0%	0%	99%	0%	0%	0%	0%	100.0%
C. AMERICA W.C.	EUROPE	SOYBEANS & OILS	62%	0%	0%	0%	38%	0%	0%	0%	0%	0%	0%	100.0%
C. AMERICA W.C.	EUROPE	VEHICLES	10%	0%	0%	0%	55%	0%	0%	35%	0%	0%	0%	100.0%
C. AMERICA W.C.	EUROPE	TOTAL	8%	20%	5%	1%	7%	0%	51%	4%	3%	0%	0%	100.0%
ASIA	EUROPE	VEHICLES												
C. AMERICA W.C.	AFRICA	CONTAINERIZED C	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
C. AMERICA W.C.	AFRICA	GENERAL CARGO	96%	0%	0%	0%	3%	0%	0%	0%	0%	0%	0%	100.0%
C. AMERICA W.C.	AFRICA	MINOR BULKS	30%	17%	0%	0%	53%	0%	0%	0%	0%	0%	0%	100.0%
C. AMERICA W.C.	AFRICA	REFRIGERATED CA	0%	0%	0%	0%	0%	0%	94%	0%	0%	0%	6%	100.0%
C. AMERICA W.C.	AFRICA	TOTAL	34%	17%	0%	0%	48%	0%	1%	0%	0%	0%	0%	100.0%
ASIA	AFRICA	REFRIGERATED CARGO												
S. AMERICA W.C.	U.S. EAST COAST	CHEMICALS	0%	0%	28%	0%	0%	0%	0%	0%	72%	0%	0%	100.0%
S. AMERICA W.C.	U.S. EAST COAST	CONTAINERIZED C	44%	1%	0%	30%	13%	0%	3%	9%	0%	0%	0%	100.0%
S. AMERICA W.C.	U.S. EAST COAST	CRUDE OIL	0%	0%	0%	0%	0%	10%	0%	0%	90%	0%	0%	100.0%
S. AMERICA W.C.	U.S. EAST COAST	FERTILIZERS	0%	69%	0%	0%	31%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA W.C.	U.S. EAST COAST	GENERAL CARGO	71%	2%	0%	0%	22%	0%	3%	2%	0%	0%	0%	100.0%
S. AMERICA W.C.	U.S. EAST COAST	IRON ORE & CONC	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%

ALLOCATION OF COMMODITIES TO SHIPS, 1990

ORIGIN	DESTINATION	COMMODITY GROUP	CB	CD	CT	F	G	LP	R	RR	T	V	OTHER	TOTAL
S. AMERICA W.C.	U.S. EAST COAST	MINOR BULKS	3%	91%	2%	0%	4%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA W.C.	U.S. EAST COAST	OILS & FATS	8%	0%	36%	0%	3%	0%	0%	0%	53%	0%	0%	100.0%
S. AMERICA W.C.	U.S. EAST COAST	PETROLEUM PRODU	0%	0%	0%	0%	0%	10%	0%	0%	90%	0%	0%	100.0%
S. AMERICA W.C.	U.S. EAST COAST	REFRIGERATED CA	1%	0%	0%	1%	1%	0%	95%	1%	0%	0%	0%	100.0%
S. AMERICA W.C.	U.S. EAST COAST	SOYBEANS & OILS	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA W.C.	U.S. EAST COAST	VEHICLES	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA W.C.	U.S. EAST COAST	TOTAL	8%	21%	1%	2%	4%	5%	14%	1%	43%	0%	0%	100.0%
C. AMERICA W.C.	MIDDLE EAST	TOTAL												
CANADA WEST COAST	ASIA	GENERAL CARGO	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	ASIA	TOTAL	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	100.0%
OCEANIA	AFRICA	GENERAL CARGO	32%	36%	0%	0%	32%	0%	0%	0%	0%	0%	0%	100.0%
OCEANIA	AFRICA	TOTAL	32%	36%	0%	0%	32%	0%	0%	0%	0%	0%	0%	100.0%
OCEANIA	MIDDLE EAST	CONTAINERIZED C	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
OCEANIA	MIDDLE EAST	REFRIGERATED CA	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
OCEANIA	MIDDLE EAST	TOTAL	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA W.C.	MIDDLE EAST	MINOR BULKS	0%	18%	0%	0%	82%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA W.C.	MIDDLE EAST	REFRIGERATED CA	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	100.0%
S. AMERICA W.C.	MIDDLE EAST	TOTAL	0%	11%	0%	0%	51%	0%	38%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	ASIA	GENERAL CARGO	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	ASIA	TOTAL	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	MIDDLE EAST	CHEMICALS	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	MIDDLE EAST	CONTAINERIZED C	1%	0%	0%	99%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	MIDDLE EAST	FERTILIZERS	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	MIDDLE EAST	REFRIGERATED CA	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	MIDDLE EAST	TOTAL	1%	0%	6%	93%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	U.S. W.C., HAWAII	CHEMICALS	0%	0%	83%	0%	0%	0%	0%	0%	17%	0%	0%	100.0%
U.S. EAST COAST	U.S. W.C., HAWAII	CONTAINERIZED C	1%	0%	0%	99%	0%	0%	0%	0%	0%	0%	0%	100.0%

ALLOCATION OF COMMODITIES TO SHIPS, 1990

ORIGIN	DESTINATION	COMMODITY GROUP	CB	CD	CT	F	G	LP	R	RR	T	V	OTHER	TOTAL
U.S. EAST COAST	U.S. W.C., HAWAII	CRUDE OIL	0%	0%	0%	0%	0%	50%	0%	0%	50%	0%	0%	100.0%
U.S. EAST COAST	U.S. W.C., HAWAII	GENERAL CARGO	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100.0%
U.S. EAST COAST	U.S. W.C., HAWAII	MINOR BULKS	0%	43%	0%	0%	0%	0%	0%	0%	0%	0%	57%	100.0%
U.S. EAST COAST	U.S. W.C., HAWAII	PETROLEUM PRODU	0%	0%	5%	0%	0%	0%	0%	0%	95%	0%	0%	100.0%
U.S. EAST COAST	U.S. W.C., HAWAII	REFRIGERATED CA	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	U.S. W.C., HAWAII	VEHICLES	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100.0%
U.S. EAST COAST	U.S. W.C., HAWAII	TOTAL	0%	0%	37%	2%	0%	3%	0%	0%	56%	0%	2%	100.0%
U.S. EAST COAST	CANADA WEST COAST	CHEMICALS	0%	0%	89%	0%	0%	0%	0%	0%	11%	0%	0%	100.0%
U.S. EAST COAST	CANADA WEST COAST	FERTILIZERS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	CANADA WEST COAST	TOTAL	0%	78%	20%	0%	0%	0%	0%	0%	2%	0%	0%	100.0%
U.S. EAST COAST	C. AMERICA W.C.	CHEMICALS	0%	3%	97%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	C. AMERICA W.C.	CONTAINERIZED C	32%	0%	0%	67%	0%	0%	0%	0%	0%	0%	1%	100.0%
U.S. EAST COAST	C. AMERICA W.C.	FERTILIZERS	1%	93%	0%	0%	6%	0%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	C. AMERICA W.C.	GENERAL CARGO	47%	4%	0%	0%	45%	0%	1%	3%	0%	0%	0%	100.0%
U.S. EAST COAST	C. AMERICA W.C.	GRAINS	1%	81%	0%	0%	3%	0%	0%	0%	0%	0%	14%	100.0%
U.S. EAST COAST	C. AMERICA W.C.	LIQUIFIED PETRO	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	C. AMERICA W.C.	MINOR BULKS	8%	58%	0%	0%	0%	0%	34%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	C. AMERICA W.C.	OILS & FATS	0%	0%	56%	0%	4%	0%	0%	0%	30%	0%	10%	100.0%
U.S. EAST COAST	C. AMERICA W.C.	PETROLEUM PRODU	0%	0%	4%	0%	0%	6%	0%	0%	89%	0%	0%	100.0%
U.S. EAST COAST	C. AMERICA W.C.	REFRIGERATED CA	19%	0%	0%	81%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	C. AMERICA W.C.	SOYBEANS & OILS	1%	78%	3%	0%	13%	0%	0%	0%	0%	0%	5%	100.0%
U.S. EAST COAST	C. AMERICA W.C.	VEHICLES	96%	0%	0%	0%	3%	0%	1%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	C. AMERICA W.C.	TOTAL	2%	69%	2%	0%	4%	1%	1%	0%	13%	0%	6%	100.0%
U.S. EAST COAST	S. AMERICA W.C.	BAUXITE & ALUMI	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	S. AMERICA W.C.	CHEMICALS	0%	20%	78%	0%	0%	0%	2%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	S. AMERICA W.C.	COAL & COKE	7%	88%	0%	0%	5%	0%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	S. AMERICA W.C.	CONTAINERIZED C	46%	1%	0%	22%	13%	0%	12%	6%	0%	0%	0%	100.0%
U.S. EAST COAST	S. AMERICA W.C.	CRUDE OIL	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	S. AMERICA W.C.	FERTILIZERS	6%	83%	0%	0%	9%	0%	2%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	S. AMERICA W.C.	GENERAL CARGO	53%	6%	0%	0%	34%	0%	3%	3%	0%	0%	0%	100.0%
U.S. EAST COAST	S. AMERICA W.C.	GRAINS	6%	78%	0%	0%	5%	0%	0%	0%	0%	0%	11%	100.0%
U.S. EAST COAST	S. AMERICA W.C.	IRON ORE & CONC	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%

ALLOCATION OF COMMODITIES TO SHIPS, 1990

ORIGIN	DESTINATION	COMMODITY GROUP	CB	CD	CT	F	G	LP	R	RR	T	V	OTHER	TOTAL
U.S. EAST COAST	S. AMERICA W.C.	LIQUIFIED PETRO	14%	0%	2%	0%	0%	83%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	S. AMERICA W.C.	MINOR BULKS	7%	26%	1%	0%	10%	0%	51%	0%	0%	0%	5%	100.0%
U.S. EAST COAST	S. AMERICA W.C.	OILS & FATS	13%	0%	83%	0%	4%	0%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	S. AMERICA W.C.	PETROLEUM PRODU	0%	0%	32%	0%	0%	0%	0%	0%	68%	0%	0%	100.0%
U.S. EAST COAST	S. AMERICA W.C.	REFRIGERATED CA	30%	0%	0%	36%	8%	0%	1%	25%	0%	0%	0%	100.0%
U.S. EAST COAST	S. AMERICA W.C.	SOYBEANS & OILS	0%	72%	6%	0%	23%	0%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	S. AMERICA W.C.	VEHICLES	40%	3%	0%	1%	28%	0%	17%	12%	0%	0%	0%	100.0%
U.S. EAST COAST	S. AMERICA W.C.	TOTAL	17%	47%	8%	3%	10%	0%	6%	1%	4%	0%	4%	100.0%
U.S. EAST COAST	OCEANIA	BAUXITE & ALUMI	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	OCEANIA	CHEMICALS	0%	2%	79%	0%	0%	0%	0%	0%	19%	0%	0%	100.0%
U.S. EAST COAST	OCEANIA	COAL & COKE	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	OCEANIA	CONTAINERIZED C	9%	2%	0%	69%	2%	0%	0%	17%	0%	1%	0%	100.0%
U.S. EAST COAST	OCEANIA	FERTILIZERS	4%	95%	0%	0%	1%	0%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	OCEANIA	GENERAL CARGO	82%	0%	3%	1%	4%	0%	0%	10%	0%	0%	0%	100.0%
U.S. EAST COAST	OCEANIA	GRAINS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	OCEANIA	LIQUIFIED PETRO	0%	0%	40%	0%	0%	60%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	OCEANIA	MINOR BULKS	26%	71%	0%	0%	0%	0%	0%	2%	0%	0%	0%	100.0%
U.S. EAST COAST	OCEANIA	OILS & FATS	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	OCEANIA	PETROLEUM PRODU	0%	0%	24%	0%	0%	0%	0%	0%	76%	0%	0%	100.0%
U.S. EAST COAST	OCEANIA	REFRIGERATED CA	33%	0%	0%	61%	0%	0%	0%	6%	0%	0%	0%	100.0%
U.S. EAST COAST	OCEANIA	SOYBEANS & OILS	11%	89%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	OCEANIA	VEHICLES	0%	0%	0%	0%	0%	0%	0%	7%	0%	93%	0%	100.0%
U.S. EAST COAST	OCEANIA	TOTAL	7%	42%	22%	14%	1%	1%	0%	4%	10%	0%	0%	100.0%
U.S. EAST COAST	ASIA	BAUXITE & ALUMI	0%	83%	0%	0%	17%	0%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	ASIA	CHEMICALS	0%	0%	89%	0%	0%	0%	0%	0%	11%	0%	0%	100.0%
U.S. EAST COAST	ASIA	COAL & COKE	0%	99%	0%	0%	1%	0%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	ASIA	CONTAINERIZED C	3%	0%	0%	96%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	ASIA	CRUDE OIL	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100.0%
U.S. EAST COAST	ASIA	FERTILIZERS	7%	90%	0%	0%	3%	0%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	ASIA	GENERAL CARGO	66%	20%	2%	2%	9%	0%	0%	1%	0%	0%	0%	100.0%
U.S. EAST COAST	ASIA	GRAINS	1%	99%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	ASIA	LIQUIFIED PETRO	0%	0%	9%	0%	0%	91%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	ASIA	MINOR BULKS	2%	96%	0%	0%	0%	0%	0%	0%	0%	1%	0%	100.0%

ALLOCATION OF COMMODITIES TO SHIPS, 1990

ORIGIN	DESTINATION	COMMODITY GROUP	CB	CD	CT	F	G	LP	R	RR	T	V	OTHER	TOTAL
U.S. EAST COAST	ASIA	OILS & FATS	0%	0%	98%	0%	0%	0%	0%	0%	2%	0%	0%	100.0%
U.S. EAST COAST	ASIA	PETROLEUM PRODU	0%	0%	18%	0%	0%	0%	0%	0%	82%	0%	0%	100.0%
U.S. EAST COAST	ASIA	REFRIGERATED CA	0%	0%	0%	82%	0%	0%	11%	1%	0%	7%	0%	100.0%
U.S. EAST COAST	ASIA	SOYBEANS & OILS	1%	98%	0%	0%	1%	0%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	ASIA	VEHICLES	15%	0%	0%	2%	5%	0%	0%	7%	0%	72%	0%	100.0%
U.S. EAST COAST	ASIA	TOTAL	3%	73%	7%	12%	1%	1%	0%	0%	3%	0%	0%	100.0%
CANADA EAST COAST	U.S. W.C., HAWAII	CONTAINERIZED C	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA EAST COAST	U.S. W.C., HAWAII	REFRIGERATED CA	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA EAST COAST	U.S. W.C., HAWAII	TOTAL	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA EAST COAST	C. AMERICA W.C.	CONTAINERIZED C	64%	0%	0%	0%	0%	0%	36%	0%	0%	0%	0%	100.0%
CANADA EAST COAST	C. AMERICA W.C.	GENERAL CARGO	34%	0%	0%	0%	62%	0%	4%	0%	0%	0%	0%	100.0%
CANADA EAST COAST	C. AMERICA W.C.	GRAINS	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	100.0%
CANADA EAST COAST	C. AMERICA W.C.	MINOR BULKS	38%	0%	0%	0%	0%	0%	62%	0%	0%	0%	0%	100.0%
CANADA EAST COAST	C. AMERICA W.C.	OILS & FATS	11%	0%	0%	0%	89%	0%	0%	0%	0%	0%	0%	100.0%
CANADA EAST COAST	C. AMERICA W.C.	REFRIGERATED CA	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	100.0%
CANADA EAST COAST	C. AMERICA W.C.	TOTAL	20%	0%	0%	0%	50%	0%	29%	0%	0%	0%	0%	100.0%
CANADA EAST COAST	S. AMERICA W.C.	COAL & COKE	19%	81%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA EAST COAST	S. AMERICA W.C.	CONTAINERIZED C	12%	0%	0%	0%	88%	0%	0%	0%	0%	0%	0%	100.0%
CANADA EAST COAST	S. AMERICA W.C.	FERTILIZERS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA EAST COAST	S. AMERICA W.C.	GENERAL CARGO	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	100.0%
CANADA EAST COAST	S. AMERICA W.C.	GRAINS	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	100.0%
CANADA EAST COAST	S. AMERICA W.C.	MINOR BULKS	10%	0%	0%	0%	57%	0%	0%	0%	0%	0%	33%	100.0%
CANADA EAST COAST	S. AMERICA W.C.	OILS & FATS	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	100.0%
CANADA EAST COAST	S. AMERICA W.C.	VEHICLES	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA EAST COAST	S. AMERICA W.C.	TOTAL	11%	72%	0%	0%	14%	0%	0%	0%	0%	0%	2%	100.0%
CANADA EAST COAST	OCEANIA	CONTAINERIZED C	7%	3%	0%	72%	2%	0%	0%	16%	0%	0%	0%	100.0%
CANADA EAST COAST	OCEANIA	FERTILIZERS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA EAST COAST	OCEANIA	GENERAL CARGO	0%	0%	0%	90%	0%	0%	0%	10%	0%	0%	0%	100.0%
CANADA EAST COAST	OCEANIA	MINOR BULKS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA EAST COAST	OCEANIA	REFRIGERATED CA	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA EAST COAST	OCEANIA	VEHICLES	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100.0%

ALLOCATION OF COMMODITIES TO SHIPS, 1990

ORIGIN	DESTINATION	COMMODITY GROUP	CB	CD	CT	F	G	LP	R	RR	T	V	OTHER	TOTAL
CANADA EAST COAST	OCEANIA	TOTAL	5%	24%	0%	57%	1%	0%	0%	12%	0%	0%	0%	100.0%
CANADA EAST COAST	ASIA	CONTAINERIZED C	1%	0%	0%	99%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA EAST COAST	ASIA	FERTILIZERS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA EAST COAST	ASIA	GENERAL CARGO	66%	26%	0%	0%	2%	0%	0%	6%	0%	0%	0%	100.0%
CANADA EAST COAST	ASIA	GRAINS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA EAST COAST	ASIA	MINOR BULKS	0%	99%	0%	0%	0%	0%	0%	1%	0%	0%	0%	100.0%
CANADA EAST COAST	ASIA	PETROLEUM PRODU	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100.0%
CANADA EAST COAST	ASIA	REFRIGERATED CA	0%	0%	0%	18%	0%	0%	71%	0%	0%	0%	12%	100.0%
CANADA EAST COAST	ASIA	SOYBEANS & OILS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA EAST COAST	ASIA	VEHICLES	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	100.0%
CANADA EAST COAST	ASIA	TOTAL	7%	68%	0%	13%	0%	0%	2%	1%	8%	0%	0%	100.0%
CENTRAL AMERICA	E.C.U.S. W.C., HAWAII	BAUXITE & ALUMI	20%	80%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CENTRAL AMERICA	E.C.U.S. W.C., HAWAII	CHEMICALS	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CENTRAL AMERICA	E.C.U.S. W.C., HAWAII	CONTAINERIZED C	52%	0%	0%	48%	0%	0%	0%	0%	0%	0%	0%	100.0%
CENTRAL AMERICA	E.C.U.S. W.C., HAWAII	CRUDE OIL	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100.0%
CENTRAL AMERICA	E.C.U.S. W.C., HAWAII	GENERAL CARGO	33%	21%	0%	0%	45%	0%	0%	0%	0%	0%	2%	100.0%
CENTRAL AMERICA	E.C.U.S. W.C., HAWAII	LIQUIFIED PETRO	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	100.0%
CENTRAL AMERICA	E.C.U.S. W.C., HAWAII	MINOR BULKS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CENTRAL AMERICA	E.C.U.S. W.C., HAWAII	PETROLEUM PRODU	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100.0%
CENTRAL AMERICA	E.C.U.S. W.C., HAWAII	REFRIGERATED CA	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CENTRAL AMERICA	E.C.U.S. W.C., HAWAII	TOTAL	4%	12%	0%	1%	1%	1%	0%	0%	81%	0%	0%	100.0%
CENTRAL AMERICA	E.C.C. AMERICA W.C.	CHEMICALS	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CENTRAL AMERICA	E.C.C. AMERICA W.C.	CONTAINERIZED C	51%	38%	0%	2%	8%	0%	1%	0%	0%	0%	0%	100.0%
CENTRAL AMERICA	E.C.C. AMERICA W.C.	CRUDE OIL	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100.0%
CENTRAL AMERICA	E.C.C. AMERICA W.C.	FERTILIZERS	0%	89%	0%	0%	5%	7%	0%	0%	0%	0%	0%	100.0%
CENTRAL AMERICA	E.C.C. AMERICA W.C.	GENERAL CARGO	0%	0%	0%	0%	78%	0%	17%	1%	0%	0%	3%	100.0%
CENTRAL AMERICA	E.C.C. AMERICA W.C.	LIQUIFIED PETRO	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	100.0%
CENTRAL AMERICA	E.C.C. AMERICA W.C.	MINOR BULKS	0%	3%	0%	3%	48%	0%	2%	0%	0%	0%	45%	100.0%
CENTRAL AMERICA	E.C.C. AMERICA W.C.	OILS & FATS	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100.0%
CENTRAL AMERICA	E.C.C. AMERICA W.C.	PETROLEUM PRODU	0%	0%	14%	0%	0%	0%	0%	0%	86%	0%	0%	100.0%
CENTRAL AMERICA	E.C.C. AMERICA W.C.	REFRIGERATED CA	0%	0%	0%	13%	0%	0%	0%	0%	0%	0%	87%	100.0%
CENTRAL AMERICA	E.C.C. AMERICA W.C.	VEHICLES	3%	0%	0%	0%	16%	0%	0%	19%	0%	62%	0%	100.0%

ALLOCATION OF COMMODITIES TO SHIPS, 1990

ORIGIN	DESTINATION	COMMODITY GROUP	CB	CD	CT	F	G	LP	R	RR	T	V	OTHER	TOTAL
CENTRAL AMERICA E.C.C.	AMERICA W.C.	TOTAL	1%	21%	3%	0%	3%	20%	0%	0%	50%	0%	1%	100.0%
CENTRAL AMERICA E.C.S.	AMERICA W.C.	CHEMICALS	2%	0%	98%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CENTRAL AMERICA E.C.S.	AMERICA W.C.	CONTAINERIZED C	42%	1%	0%	3%	9%	0%	8%	38%	0%	0%	0%	100.0%
CENTRAL AMERICA E.C.S.	AMERICA W.C.	CRUDE OIL	0%	0%	0%	0%	0%	50%	0%	0%	50%	0%	0%	100.0%
CENTRAL AMERICA E.C.S.	AMERICA W.C.	FERTILIZERS	2%	65%	0%	0%	34%	0%	0%	0%	0%	0%	0%	100.0%
CENTRAL AMERICA E.C.S.	AMERICA W.C.	GENERAL CARGO	35%	12%	0%	0%	47%	0%	4%	1%	0%	0%	0%	100.0%
CENTRAL AMERICA E.C.S.	AMERICA W.C.	LIQUIFIED PETRO	0%	0%	0%	0%	0%	79%	0%	0%	0%	0%	21%	100.0%
CENTRAL AMERICA E.C.S.	AMERICA W.C.	MINOR BULKS	12%	63%	0%	0%	18%	0%	7%	0%	0%	0%	0%	100.0%
CENTRAL AMERICA E.C.S.	AMERICA W.C.	PETROLEUM PRODU	0%	0%	20%	0%	0%	0%	0%	0%	80%	0%	0%	100.0%
CENTRAL AMERICA E.C.S.	AMERICA W.C.	REFRIGERATED CA	0%	0%	0%	0%	0%	0%	98%	0%	0%	0%	1%	100.0%
CENTRAL AMERICA E.C.S.	AMERICA W.C.	VEHICLES	3%	0%	0%	0%	0%	0%	47%	51%	0%	0%	0%	100.0%
CENTRAL AMERICA E.C.S.	AMERICA W.C.	TOTAL	6%	13%	10%	0%	9%	11%	2%	3%	45%	0%	1%	100.0%
CENTRAL AMERICA E.C.	OCEANIA	CONTAINERIZED C	0%	0%	0%	28%	0%	0%	0%	72%	0%	0%	0%	100.0%
CENTRAL AMERICA E.C.	OCEANIA	GENERAL CARGO	66%	0%	0%	0%	34%	0%	0%	0%	0%	0%	0%	100.0%
CENTRAL AMERICA E.C.	OCEANIA	MINOR BULKS	40%	58%	0%	0%	2%	0%	0%	0%	0%	0%	0%	100.0%
CENTRAL AMERICA E.C.	OCEANIA	VEHICLES	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	100.0%
CENTRAL AMERICA E.C.	OCEANIA	TOTAL	39%	31%	0%	5%	10%	0%	0%	14%	0%	1%	0%	100.0%
CENTRAL AMERICA E.C.	ASIA	CHEMICALS	0%	3%	57%	0%	0%	9%	0%	0%	30%	0%	0%	100.0%
CENTRAL AMERICA E.C.	ASIA	CONTAINERIZED C	4%	0%	0%	96%	0%	0%	0%	0%	0%	0%	0%	100.0%
CENTRAL AMERICA E.C.	ASIA	FERTILIZERS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CENTRAL AMERICA E.C.	ASIA	GENERAL CARGO	33%	32%	0%	0%	35%	0%	0%	0%	0%	0%	0%	100.0%
CENTRAL AMERICA E.C.	ASIA	LIQUIFIED PETRO	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	100.0%
CENTRAL AMERICA E.C.	ASIA	MINOR BULKS	13%	50%	0%	0%	37%	0%	0%	0%	0%	0%	0%	100.0%
CENTRAL AMERICA E.C.	ASIA	OILS & FATS	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CENTRAL AMERICA E.C.	ASIA	PETROLEUM PRODU	0%	0%	21%	0%	0%	0%	0%	0%	79%	0%	0%	100.0%
CENTRAL AMERICA E.C.	ASIA	REFRIGERATED CA	1%	0%	0%	0%	8%	0%	85%	0%	0%	0%	6%	100.0%
CENTRAL AMERICA E.C.	ASIA	TOTAL	10%	40%	7%	7%	24%	4%	1%	0%	7%	0%	0%	100.0%
S. AMERICA E.C.	U.S. W.C., HAWAII	BAUXITE & ALUMI	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	U.S. W.C., HAWAII	CONTAINERIZED C	87%	6%	0%	4%	3%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	U.S. W.C., HAWAII	CRUDE OIL	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100.0%
S. AMERICA E.C.	U.S. W.C., HAWAII	GENERAL CARGO	93%	0%	0%	0%	6%	0%	0%	0%	0%	0%	0%	100.0%

ALLOCATION OF COMMODITIES TO SHIPS, 1990

ORIGIN	DESTINATION	COMMODITY GROUP	CB	CD	CT	F	G	LP	R	RR	T	V	OTHER	TOTAL
S. AMERICA E.C.	U.S. W.C., HAWAII	IRON ORE & CONC	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	U.S. W.C., HAWAII	MINOR BULKS	8%	89%	0%	0%	1%	0%	0%	0%	0%	0%	3%	100.0%
S. AMERICA E.C.	U.S. W.C., HAWAII	OILS & FATS	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100.0%
S. AMERICA E.C.	U.S. W.C., HAWAII	PETROLEUM PRODU	0%	0%	5%	0%	0%	7%	0%	0%	87%	0%	0%	100.0%
S. AMERICA E.C.	U.S. W.C., HAWAII	REFRIGERATED CA	94%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	U.S. W.C., HAWAII	VEHICLES	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	U.S. W.C., HAWAII	TOTAL	10%	42%	2%	0%	1%	2%	0%	0%	42%	0%	1%	100.0%
S. AMERICA E.C.	CANADA WEST COAST	BAUXITE & ALUMI	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	CANADA WEST COAST	CONTAINERIZED C	93%	7%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	CANADA WEST COAST	GENERAL CARGO	96%	3%	0%	0%	1%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	CANADA WEST COAST	MINOR BULKS	32%	68%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	CANADA WEST COAST	REFRIGERATED CA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	CANADA WEST COAST	TOTAL	56%	44%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100.0%
S. AMERICA E.C.	C. AMERICA W.C.	CONTAINERIZED C	91%	0%	0%	9%	0%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	C. AMERICA W.C.	CRUDE OIL	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100.0%
S. AMERICA E.C.	C. AMERICA W.C.	FERTILIZERS	0%	42%	0%	0%	0%	58%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	C. AMERICA W.C.	GENERAL CARGO	15%	83%	0%	0%	2%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	C. AMERICA W.C.	LIQUIFIED PETRO	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	C. AMERICA W.C.	MINOR BULKS	20%	45%	0%	0%	35%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	C. AMERICA W.C.	OILS & FATS	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	C. AMERICA W.C.	PETROLEUM PRODU	0%	0%	1%	0%	0%	9%	0%	0%	90%	0%	0%	100.0%
S. AMERICA E.C.	C. AMERICA W.C.	REFRIGERATED CA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100.0%
S. AMERICA E.C.	C. AMERICA W.C.	VEHICLES	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	C. AMERICA W.C.	TOTAL	4%	7%	1%	0%	4%	3%	0%	0%	80%	0%	0%	100.0%
S. AMERICA E.C.	S. AMERICA W.C.	BAUXITE & ALUMI	0%	62%	0%	0%	38%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	S. AMERICA W.C.	CHEMICALS	7%	0%	89%	0%	3%	0%	0%	0%	1%	0%	0%	100.0%
S. AMERICA E.C.	S. AMERICA W.C.	COAL & COKE	11%	72%	0%	0%	16%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	S. AMERICA W.C.	CONTAINERIZED C	60%	3%	0%	25%	12%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	S. AMERICA W.C.	CRUDE OIL	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100.0%
S. AMERICA E.C.	S. AMERICA W.C.	FERTILIZERS	2%	52%	0%	0%	13%	34%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	S. AMERICA W.C.	GENERAL CARGO	51%	12%	0%	0%	37%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	S. AMERICA W.C.	LIQUIFIED PETRO	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	100.0%

ALLOCATION OF COMMODITIES TO SHIPS, 1990

ORIGIN	DESTINATION	COMMODITY GROUP	CB	CD	CT	F	G	LP	R	RR	T	V	OTHER	TOTAL
S. AMERICA E.C.	S. AMERICA W.C.	MINOR BULKS	17%	51%	0%	0%	31%	0%	1%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	S. AMERICA W.C.	OILS & FATS	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	S. AMERICA W.C.	PETROLEUM PRODU	0%	0%	21%	0%	0%	6%	0%	0%	73%	0%	0%	100.0%
S. AMERICA E.C.	S. AMERICA W.C.	REFRIGERATED CA	0%	0%	0%	0%	0%	0%	95%	0%	0%	0%	5%	100.0%
S. AMERICA E.C.	S. AMERICA W.C.	SOYBEANS & OILS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	S. AMERICA W.C.	VEHICLES	35%	5%	0%	0%	44%	0%	16%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	S. AMERICA W.C.	TOTAL	7%	15%	4%	1%	7%	14%	0%	0%	53%	0%	0%	100.0%
S. AMERICA E.C.	OCEANIA	BAUXITE & ALUMI	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	OCEANIA	CONTAINERIZED C	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	OCEANIA	GENERAL CARGO	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	OCEANIA	TOTAL	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	ASIA	BAUXITE & ALUMI	82%	18%	0%	0%	1%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	ASIA	CHEMICALS	6%	0%	0%	0%	0%	94%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	ASIA	COAL & COKE	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	ASIA	CONTAINERIZED C	32%	24%	0%	45%	0%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	ASIA	FERTILIZERS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	ASIA	GENERAL CARGO	53%	13%	0%	2%	31%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	ASIA	GRAINS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	ASIA	IRON ORE & CONC	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	ASIA	LIQUIFIED PETRO	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	ASIA	MINOR BULKS	8%	89%	0%	0%	3%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	ASIA	PETROLEUM PRODU	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100.0%
S. AMERICA E.C.	ASIA	REFRIGERATED CA	8%	2%	0%	5%	0%	0%	43%	0%	0%	0%	41%	100.0%
S. AMERICA E.C.	ASIA	SOYBEANS & OILS	5%	95%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	ASIA	TOTAL	24%	51%	0%	2%	11%	1%	1%	0%	9%	0%	1%	100.0%
EUROPE	U.S. W.C., HAWAII	BAUXITE & ALUMI	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
	U.S. W.C., HAWAII	CHEMICALS	0%	8%	92%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
	U.S. W.C., HAWAII	CONTAINERIZED C	3%	18%	0%	79%	0%	0%	0%	0%	0%	0%	0%	100.0%
EUROPE	U.S. W.C., HAWAII	FERTILIZERS	22%	54%	18%	0%	0%	0%	0%	0%	6%	0%	0%	100.0%
EUROPE	U.S. W.C., HAWAII	GENERAL CARGO	25%	59%	0%	2%	5%	0%	1%	0%	0%	4%	3%	100.0%
EUROPE	U.S. W.C., HAWAII	MINOR BULKS	14%	85%	0%	0%	1%	0%	0%	0%	0%	0%	0%	100.0%
EUROPE	U.S. W.C., HAWAII	OILS & FATS	0%	1%	99%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%

ALLOCATION OF COMMODITIES TO SHIPS, 1990

ORIGIN	DESTINATION	COMMODITY GROUP	CB	CD	CT	F	G	LP	R	RR	T	V	OTHER	TOTAL
EUROPE	U.S. W.C., HAWAII	PETROLEUM PRODU	0%	0%	8%	0%	0%	0%	0%	0%	92%	0%	0%	100.0%
EUROPE	U.S. W.C., HAWAII	REFRIGERATED CA	3%	1%	0%	96%	0%	0%	0%	0%	0%	0%	0%	100.0%
EUROPE	U.S. W.C., HAWAII	SOYBEANS & OILS	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
EUROPE	U.S. W.C., HAWAII	VEHICLES	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	100.0%
EUROPE	U.S. W.C., HAWAII	TOTAL	8%	35%	3%	38%	0%	0%	0%	0%	10%	5%	0%	100.0%
EUROPE	CANADA WEST COAST	CHEMICALS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
EUROPE	CANADA WEST COAST	CONTAINERIZED C	5%	22%	0%	73%	0%	0%	0%	0%	0%	0%	0%	100.0%
EUROPE	CANADA WEST COAST	FERTILIZERS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
EUROPE	CANADA WEST COAST	GENERAL CARGO	55%	40%	0%	1%	0%	0%	0%	0%	0%	3%	1%	100.0%
EUROPE	CANADA WEST COAST	MINOR BULKS	14%	80%	0%	0%	5%	0%	0%	0%	0%	0%	0%	100.0%
EUROPE	CANADA WEST COAST	PETROLEUM PRODU	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	100.0%
EUROPE	CANADA WEST COAST	REFRIGERATED CA	8%	2%	0%	90%	0%	0%	0%	0%	0%	0%	0%	100.0%
EUROPE	CANADA WEST COAST	VEHICLES	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	100.0%
EUROPE	CANADA WEST COAST	TOTAL	16%	48%	0%	31%	2%	0%	0%	0%	0%	3%	0%	100.0%
EUROPE	C. AMERICA W.C.	CHEMICALS	2%	0%	42%	0%	3%	0%	2%	2%	48%	0%	0%	100.0%
EUROPE	C. AMERICA W.C.	CONTAINERIZED C	41%	0%	0%	1%	24%	0%	4%	29%	0%	0%	0%	100.0%
EUROPE	C. AMERICA W.C.	FERTILIZERS	2%	86%	0%	0%	11%	0%	1%	1%	0%	0%	0%	100.0%
EUROPE	C. AMERICA W.C.	GENERAL CARGO	27%	1%	0%	0%	51%	0%	2%	19%	0%	0%	0%	100.0%
EUROPE	C. AMERICA W.C.	GRAINS	0%	17%	0%	0%	42%	0%	0%	40%	0%	0%	0%	100.0%
EUROPE	C. AMERICA W.C.	LIQUIFIED PETRO	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	100.0%
EUROPE	C. AMERICA W.C.	MINOR BULKS	6%	46%	0%	0%	34%	0%	1%	13%	0%	0%	0%	100.0%
EUROPE	C. AMERICA W.C.	OILS & FATS	32%	0%	47%	0%	21%	0%	0%	0%	0%	0%	0%	100.0%
EUROPE	C. AMERICA W.C.	PETROLEUM PRODU	0%	0%	15%	0%	0%	0%	0%	0%	84%	0%	0%	100.0%
EUROPE	C. AMERICA W.C.	REFRIGERATED CA	11%	0%	0%	0%	83%	0%	3%	3%	0%	0%	0%	100.0%
EUROPE	C. AMERICA W.C.	SOYBEANS & OILS	8%	92%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
EUROPE	C. AMERICA W.C.	VEHICLES	12%	0%	0%	0%	61%	0%	1%	26%	0%	0%	0%	100.0%
EUROPE	C. AMERICA W.C.	TOTAL	9%	56%	2%	0%	20%	0%	1%	8%	4%	0%	0%	100.0%
EUROPE	S. AMERICA W.C.	CHEMICALS	7%	0%	50%	0%	5%	0%	1%	0%	38%	0%	0%	100.0%
EUROPE	S. AMERICA W.C.	CONTAINERIZED C	21%	1%	0%	74%	3%	0%	1%	0%	0%	0%	0%	100.0%
EUROPE	S. AMERICA W.C.	FERTILIZERS	11%	61%	0%	0%	25%	0%	3%	0%	0%	0%	0%	100.0%
EUROPE	S. AMERICA W.C.	GENERAL CARGO	58%	0%	0%	1%	30%	0%	8%	0%	0%	0%	2%	100.0%
EUROPE	S. AMERICA W.C.	GRAINS	0%	30%	0%	0%	70%	0%	0%	0%	0%	0%	0%	100.0%

ALLOCATION OF COMMODITIES TO SHIPS, 1990

ORIGIN	DESTINATION	COMMODITY GROUP	CB	CD	CT	F	G	LP	R	RR	T	V	OTHER	TOTAL
EUROPE	S. AMERICA W.C.	LIQUIFIED PETRO	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	100.0%
EUROPE	S. AMERICA W.C.	MINOR BULKS	36%	1%	0%	0%	39%	0%	22%	0%	0%	0%	2%	100.0%
EUROPE	S. AMERICA W.C.	OILS & FATS	21%	0%	73%	0%	0%	0%	3%	0%	0%	0%	3%	100.0%
EUROPE	S. AMERICA W.C.	PETROLEUM PRODU	0%	0%	8%	0%	0%	0%	9%	0%	81%	0%	2%	100.0%
EUROPE	S. AMERICA W.C.	REFRIGERATED CA	9%	0%	0%	27%	1%	0%	61%	0%	0%	0%	2%	100.0%
EUROPE	S. AMERICA W.C.	VEHICLES	47%	0%	0%	1%	49%	0%	2%	0%	0%	0%	0%	100.0%
EUROPE	S. AMERICA W.C.	TOTAL	21%	12%	3%	22%	15%	1%	7%	0%	18%	0%	1%	100.0%
EUROPE	OCEANIA	CHEMICALS	1%	0%	87%	0%	1%	0%	0%	0%	12%	0%	0%	100.0%
EUROPE	OCEANIA	COAL & COKE	50%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
EUROPE	OCEANIA	CONTAINERIZED C	45%	2%	0%	2%	11%	0%	0%	41%	0%	0%	0%	100.0%
EUROPE	OCEANIA	FERTILIZERS	5%	85%	3%	0%	8%	0%	0%	0%	0%	0%	0%	100.0%
EUROPE	OCEANIA	GENERAL CARGO	48%	0%	0%	0%	27%	0%	0%	19%	0%	0%	5%	100.0%
EUROPE	OCEANIA	GRAINS	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	100.0%
EUROPE	OCEANIA	LIQUIFIED PETRO	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
EUROPE	OCEANIA	MINOR BULKS	35%	40%	0%	0%	16%	0%	0%	8%	0%	0%	0%	100.0%
EUROPE	OCEANIA	OILS & FATS	20%	0%	34%	0%	46%	0%	0%	0%	0%	0%	0%	100.0%
EUROPE	OCEANIA	PETROLEUM PRODU	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
EUROPE	OCEANIA	REFRIGERATED CA	17%	0%	0%	1%	11%	0%	0%	72%	0%	0%	0%	100.0%
EUROPE	OCEANIA	SOYBEANS & OILS	48%	0%	0%	0%	52%	0%	0%	0%	0%	0%	0%	100.0%
EUROPE	OCEANIA	VEHICLES	16%	0%	0%	0%	4%	0%	0%	58%	0%	22%	0%	100.0%
EUROPE	OCEANIA	TOTAL	36%	9%	12%	1%	12%	0%	0%	28%	1%	0%	1%	100.0%
EUROPE	ASIA	CHEMICALS	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
EUROPE	ASIA	CONTAINERIZED C	12%	0%	0%	81%	0%	0%	0%	7%	0%	0%	0%	100.0%
EUROPE	ASIA	FERTILIZERS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
EUROPE	ASIA	GENERAL CARGO	34%	0%	6%	0%	33%	0%	0%	2%	0%	1%	23%	100.0%
EUROPE	ASIA	MINOR BULKS	2%	98%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
EUROPE	ASIA	OILS & FATS	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
EUROPE	ASIA	PETROLEUM PRODU	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
EUROPE	ASIA	REFRIGERATED CA	0%	0%	0%	1%	0%	0%	97%	0%	0%	0%	2%	100.0%
EUROPE	ASIA	VEHICLES	0%	0%	0%	0%	0%	0%	0%	5%	0%	95%	0%	100.0%
EUROPE	ASIA	TOTAL	5%	17%	36%	13%	3%	0%	19%	1%	0%	2%	3%	100.0%
AFRICA	U.S. W.C., HAWAII	CONTAINERIZED C	74%	3%	0%	23%	0%	0%	0%	0%	0%	0%	0%	100.0%

ALLOCATION OF COMMODITIES TO SHIPS, 1990

ORIGIN	DESTINATION	COMMODITY GROUP	CB	CD	CT	F	G	LP	R	RR	T	V	OTHER	TOTAL
AFRICA	U.S. W.C., HAWAII	GENERAL CARGO	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
AFRICA	U.S. W.C., HAWAII	MINOR BULKS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
AFRICA	U.S. W.C., HAWAII	PETROLEUM PRODU	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100.0%
AFRICA	U.S. W.C., HAWAII	REFRIGERATED CA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100.0%
AFRICA	U.S. W.C., HAWAII	VEHICLES	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
AFRICA	U.S. W.C., HAWAII	TOTAL	3%	53%	0%	1%	0%	0%	0%	0%	43%	0%	0%	100.0%
			0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0.0%
AFRICA	CANADA WEST COAST	CONTAINERIZED C	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
AFRICA	CANADA WEST COAST	FERTILIZERS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
AFRICA	CANADA WEST COAST	GENERAL CARGO	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
AFRICA	CANADA WEST COAST	TOTAL	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
AFRICA	C. AMERICA W.C.	CONTAINERIZED C	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
AFRICA	C. AMERICA W.C.	FERTILIZERS	12%	88%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
AFRICA	C. AMERICA W.C.	GENERAL CARGO	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	100.0%
AFRICA	C. AMERICA W.C.	GRAINS	30%	0%	0%	0%	70%	0%	0%	0%	0%	0%	0%	100.0%
AFRICA	C. AMERICA W.C.	REFRIGERATED CA	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	100.0%
AFRICA	C. AMERICA W.C.	TOTAL	13%	83%	0%	0%	4%	0%	0%	0%	0%	0%	0%	100.0%
AFRICA	S. AMERICA W.C.	CHEMICALS	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
AFRICA	S. AMERICA W.C.	CONTAINERIZED C	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	100.0%
AFRICA	S. AMERICA W.C.	FERTILIZERS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
AFRICA	S. AMERICA W.C.	GENERAL CARGO	0%	0%	0%	0%	37%	0%	36%	0%	0%	0%	26%	100.0%
AFRICA	S. AMERICA W.C.	GRAINS	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	100.0%
AFRICA	S. AMERICA W.C.	MINOR BULKS	0%	0%	0%	0%	0%	0%	99%	0%	0%	0%	1%	100.0%
AFRICA	S. AMERICA W.C.	REFRIGERATED CA	0%	0%	0%	0%	0%	0%	65%	0%	0%	0%	35%	100.0%
AFRICA	S. AMERICA W.C.	TOTAL	0%	64%	14%	0%	17%	0%	5%	0%	0%	0%	0%	100.0%
AFRICA	OCEANIA	CONTAINERIZED C	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100.0%
AFRICA	OCEANIA	FERTILIZERS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
AFRICA	OCEANIA	GENERAL CARGO	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100.0%
AFRICA	OCEANIA	TOTAL	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
AFRICA	ASIA	CONTAINERIZED C	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100.0%
AFRICA	ASIA	GENERAL CARGO	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100.0%

ALLOCATION OF COMMODITIES TO SHIPS, 1990

ORIGIN	DESTINATION	COMMODITY GROUP	CB	CD	CT	F	G	LP	R	RR	T	V	OTHER	TOTAL
AFRICA	ASIA	MINOR BULKS	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100.0%
AFRICA	ASIA	REFRIGERATED CA	0%	0%	0%	0%	0%	0%	81%	0%	0%	0%	19%	100.0%
AFRICA	ASIA	TOTAL	0%	0%	0%	0%	0%	0%	81%	0%	0%	0%	19%	100.0%
MIDDLE EAST	U.S. W.C., HAWAII	CONTAINERIZED C	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	100.0%
MIDDLE EAST	U.S. W.C., HAWAII	GENERAL CARGO	0%	0%	0%	14%	86%	0%	0%	0%	0%	0%	0%	100.0%
MIDDLE EAST	U.S. W.C., HAWAII	PETROLEUM PRODU	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100.0%
MIDDLE EAST	U.S. W.C., HAWAII	REFRIGERATED CA	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	100.0%
MIDDLE EAST	U.S. W.C., HAWAII	TOTAL	0%	0%	0%	51%	3%	0%	0%	0%	46%	0%	0%	100.0%
ASIA	C. AMERICA W.C.	GENERAL CARGO	66%	0%	0%	0%	34%	0%	0%	0%	0%	0%	0%	100.0%
ASIA	C. AMERICA W.C.	TOTAL	66%	0%	0%	0%	34%	0%	0%	0%	0%	0%	0%	100.0%
CANADA EAST COAST	CANADA WEST COAST	GENERAL CARGO	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100.0%
CANADA EAST COAST	CANADA WEST COAST	TOTAL	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100.0%
CENTRAL AMERICA E.C.	CANADA WEST COAST	CONTAINERIZED C	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CENTRAL AMERICA E.C.	CANADA WEST COAST	GENERAL CARGO	43%	57%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CENTRAL AMERICA E.C.	CANADA WEST COAST	MINOR BULKS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CENTRAL AMERICA E.C.	CANADA WEST COAST	TOTAL	32%	68%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
MIDDLE EAST	ASIA	CONTAINERIZED C	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	100.0%
MIDDLE EAST	ASIA	REFRIGERATED CA	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	100.0%
MIDDLE EAST	ASIA	TOTAL	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	100.0%
MIDDLE EAST	OCEANIA	CONTAINERIZED C	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100.0%
MIDDLE EAST	OCEANIA	MINOR BULKS	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100.0%
MIDDLE EAST	OCEANIA	REFRIGERATED CA	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100.0%
MIDDLE EAST	OCEANIA	TOTAL	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100.0%
MIDDLE EAST	S. AMERICA W.C.	CONTAINERIZED C	0%	0%	0%	86%	14%	0%	0%	0%	0%	0%	0%	100.0%
MIDDLE EAST	S. AMERICA W.C.	FERTILIZERS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
MIDDLE EAST	S. AMERICA W.C.	GENERAL CARGO	0%	0%	0%	0%	23%	0%	77%	0%	0%	0%	0%	100.0%
MIDDLE EAST	S. AMERICA W.C.	VEHICLES	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	100.0%
MIDDLE EAST	S. AMERICA W.C.	TOTAL	0%	93%	0%	1%	3%	0%	3%	0%	0%	0%	0%	100.0%

ALLOCATION OF COMMODITIES TO SHIPS, 2020

ORIGIN	DESTINATION	COMMODITY GROUP	CB	CD	CT	F	G	LP	R	RR	T	V	OTHER	TOTAL
S. AMERICA W.C.	CANADA EAST COAST	GENERAL CARGO	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100.0%
U.S. W.C., HAWAII	U.S. EAST COAST	CHEMICALS	0%	0%	93%	0%	0%	0%	0%	0%	7%	0%	0%	100.0%
U.S. W.C., HAWAII	U.S. EAST COAST	CONTAINERIZED C	2%	0%	0%	96%	0%	0%	0%	3%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	U.S. EAST COAST	CRUDE OIL	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100.0%
U.S. W.C., HAWAII	U.S. EAST COAST	GENERAL CARGO	0%	0%	15%	0%	0%	0%	0%	0%	0%	0%	84%	100.0%
U.S. W.C., HAWAII	U.S. EAST COAST	LIQUIFIED PETRO	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	U.S. EAST COAST	MINOR BULKS	0%	87%	13%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	U.S. EAST COAST	OILS & FATS	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	U.S. EAST COAST	PETROLEUM PRODU	0%	0%	38%	0%	0%	0%	0%	0%	62%	0%	0%	100.0%
U.S. W.C., HAWAII	U.S. EAST COAST	REFRIGERATED CA	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	U.S. EAST COAST	VEHICLES	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	U.S. EAST COAST	TOTAL	0%	17%	26%	8%	0%	0%	0%	0%	46%	0%	2%	100.0%
U.S. W.C., HAWAII	CANADA EAST COAST	COAL & COKE	18%	82%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	CANADA EAST COAST	CONTAINERIZED C	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	CANADA EAST COAST	GENERAL CARGO	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	CANADA EAST COAST	MINOR BULKS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	CANADA EAST COAST	PETROLEUM PRODU	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100.0%
U.S. W.C., HAWAII	CANADA EAST COAST	REFRIGERATED CA	0%	0%	0%	37%	0%	0%	0%	0%	0%	0%	63%	100.0%
U.S. W.C., HAWAII	CANADA EAST COAST	TOTAL	13%	68%	0%	2%	0%	0%	0%	0%	18%	0%	0%	100.0%
S. AMERICA W.C.	S. AMERICA E.C.	FERTILIZERS	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0.0%
U.S. W.C., HAWAII	CENTRAL AMERICA E.C.	COAL & COKE	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	CENTRAL AMERICA E.C.	CONTAINERIZED C	46%	0%	0%	35%	0%	0%	0%	19%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	CENTRAL AMERICA E.C.	GENERAL CARGO	0%	0%	0%	0%	24%	0%	0%	0%	0%	0%	76%	100.0%
U.S. W.C., HAWAII	CENTRAL AMERICA E.C.	PETROLEUM PRODU	0%	0%	11%	0%	0%	0%	0%	0%	89%	0%	0%	100.0%
U.S. W.C., HAWAII	CENTRAL AMERICA E.C.	REFRIGERATED CA	96%	0%	0%	4%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	CENTRAL AMERICA E.C.	VEHICLES	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	CENTRAL AMERICA E.C.	TOTAL	6%	6%	9%	4%	0%	0%	0%	2%	74%	0%	0%	100.0%
S. AMERICA W.C.	S. AMERICA E.C.	TOTAL												0.0%
U.S. W.C., HAWAII	S. AMERICA E.C.	CHEMICALS	0%	0%	99%	0%	0%	0%	1%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	S. AMERICA E.C.	COAL & COKE	0%	80%	0%	0%	20%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	S. AMERICA E.C.	CONTAINERIZED C	77%	5%	0%	0%	18%	0%	0%	0%	0%	0%	0%	100.0%

ALLOCATION OF COMMODITIES TO SHIPS, 2020

ORIGIN	DESTINATION	COMMODITY GROUP	CB	CD	CT	F	G	LP	R	RR	T	V	OTHER	TOTAL
U.S. W.C., HAWAII	S. AMERICA E.C.	GENERAL CARGO	94%	0%	0%	0%	5%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	S. AMERICA E.C.	MINOR BULKS	4%	96%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	S. AMERICA E.C.	PETROLEUM PRODU	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100.0%
U.S. W.C., HAWAII	S. AMERICA E.C.	REFRIGERATED CA	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	S. AMERICA E.C.	TOTAL	11%	58%	3%	0%	2%	0%	1%	0%	25%	0%	0%	100.0%
S. AMERICA W.C.	EUROPE	OILS & FATS												0.0%
U.S. W.C., HAWAII	EUROPE	CHEMICALS	0%	1%	99%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	EUROPE	COAL & COKE	2%	98%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	EUROPE	CONTAINERIZED C	8%	11%	0%	81%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	EUROPE	GENERAL CARGO	53%	40%	0%	6%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	EUROPE	GRAINS	0%	87%	0%	0%	13%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	EUROPE	IRON ORE & CONC	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	EUROPE	LIQUIFIED PETRO	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	EUROPE	MINOR BULKS	2%	97%	0%	0%	0%	0%	1%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	EUROPE	OILS & FATS	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	EUROPE	PETROLEUM PRODU	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	EUROPE	REFRIGERATED CA	2%	1%	0%	35%	0%	0%	62%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	EUROPE	SOYBEANS & OILS	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	EUROPE	TOTAL	6%	68%	1%	20%	1%	0%	3%	0%	0%	0%	0%	100.0%
OCEANIA	U.S. EAST COAST	COAL & COKE												0.0%
U.S. W.C., HAWAII	AFRICA	CONTAINERIZED C	41%	59%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	AFRICA	FERTILIZERS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	AFRICA	GENERAL CARGO	19%	74%	0%	0%	8%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	AFRICA	GRAINS	1%	91%	0%	0%	0%	0%	0%	0%	6%	0%	2%	100.0%
U.S. W.C., HAWAII	AFRICA	MINOR BULKS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	AFRICA	PETROLEUM PRODU	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100.0%
U.S. W.C., HAWAII	AFRICA	TOTAL	3%	90%	0%	0%	1%	0%	0%	0%	4%	0%	1%	100.0%
CANADA WEST COAST	U.S. EAST COAST	CHEMICALS												0.0%
CANADA WEST COAST	U.S. EAST COAST	CONTAINERIZED C	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	U.S. EAST COAST	CRUDE OIL	0%	17%	0%	0%	0%	0%	0%	0%	0%	0%	83%	100.0%
CANADA WEST COAST	U.S. EAST COAST	GENERAL CARGO	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100.0%
			9%	91%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%

ALLOCATION OF COMMODITIES TO SHIPS, 2020

ORIGIN	DESTINATION	COMMODITY GROUP	CB	CD	CT	F	G	LP	R	RR	T	V	OTHER	TOTAL
CANADA WEST COAST	U.S. EAST COAST	MINOR BULKS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	U.S. EAST COAST	PETROLEUM PRODU	0%	0%	47%	0%	0%	0%	0%	0%	53%	0%	0%	100.0%
CANADA WEST COAST	U.S. EAST COAST	TOTAL	5%	53%	22%	0%	0%	0%	0%	0%	19%	0%	0%	100.0%
OCEANIA	CENTRAL AMERICA E.C.	CONTAINERIZED COMMODITIES												0.0%
CANADA WEST COAST	CENTRAL AMERICA E.C.	FERTILIZERS	0%	63%	0%	0%	37%	0%	0%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	CENTRAL AMERICA E.C.	GENERAL CARGO	0%	94%	0%	0%	5%	0%	0%	1%	0%	0%	0%	100.0%
CANADA WEST COAST	CENTRAL AMERICA E.C.	MINOR BULKS	0%	2%	0%	0%	98%	0%	0%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	CENTRAL AMERICA E.C.	TOTAL	0%	63%	0%	0%	37%	0%	0%	0%	0%	0%	0%	100.0%
OCEANIA	CENTRAL AMERICA E.C.	TOTAL												0.0%
CANADA WEST COAST	S. AMERICA E.C.	COAL & COKE	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	S. AMERICA E.C.	CONTAINERIZED C	38%	62%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	S. AMERICA E.C.	FERTILIZERS	0%	60%	0%	0%	40%	0%	0%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	S. AMERICA E.C.	GENERAL CARGO	61%	16%	0%	0%	23%	0%	0%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	S. AMERICA E.C.	GRAINS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	S. AMERICA E.C.	MINOR BULKS	24%	76%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	S. AMERICA E.C.	TOTAL	25%	68%	0%	0%	7%	0%	0%	0%	0%	0%	0%	100.0%
OCEANIA	EUROPE	CHEMICALS												0.0%
CANADA WEST COAST	EUROPE	CHEMICALS	0%	0%	95%	5%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	EUROPE	COAL & COKE	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	EUROPE	CONTAINERIZED C	7%	29%	0%	64%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	EUROPE	FERTILIZERS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	EUROPE	GENERAL CARGO	31%	66%	0%	3%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	EUROPE	GRAINS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	EUROPE	MINOR BULKS	1%	99%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	EUROPE	OILS & FATS	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	EUROPE	REFRIGERATED CA	1%	16%	0%	47%	0%	0%	37%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	EUROPE	VEHICLES	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	EUROPE	TOTAL	10%	86%	0%	3%	0%	0%	0%	0%	0%	0%	0%	100.0%
ASIA	U.S. EAST COAST	CONTAINERIZED COMMODITIES												0.0%
CANADA WEST COAST	AFRICA	GENERAL CARGO	8%	88%	0%	0%	0%	0%	4%	0%	0%	0%	0%	100.0%

ALLOCATION OF COMMODITIES TO SHIPS, 2020

ORIGIN	DESTINATION	COMMODITY GROUP	CB	CD	CT	F	G	LP	R	RR	T	V	OTHER	TOTAL
CANADA WEST COAST	AFRICA	GRAINS	34%	66%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	AFRICA	MINOR BULKS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	AFRICA	SOYBEANS & OILS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	AFRICA	TOTAL	3%	96%	0%	0%	0%	0%	1%	0%	0%	0%	0%	100.0%
ASIA	U.S. EAST COAST	REFRIGERATED CARGO												0.0%
CANADA WEST COAST	MIDDLE EAST	GENERAL CARGO	0%	49%	0%	0%	51%	0%	0%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	MIDDLE EAST	MINOR BULKS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	MIDDLE EAST	TOTAL	0%	99%	0%	0%	1%	0%	0%	0%	0%	0%	0%	100.0%
ASIA	CANADA EAST COAST	BAUXITE & ALUMINA												0.0%
C. AMERICA W.C.	U.S. EAST COAST	CHEMICALS	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
C. AMERICA W.C.	U.S. EAST COAST	CONTAINERIZED C	17%	0%	0%	80%	2%	0%	0%	0%	0%	0%	1%	100.0%
C. AMERICA W.C.	U.S. EAST COAST	GENERAL CARGO	53%	15%	0%	0%	30%	0%	0%	2%	0%	0%	0%	100.0%
C. AMERICA W.C.	U.S. EAST COAST	IRON ORE & CONC	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
C. AMERICA W.C.	U.S. EAST COAST	MINOR BULKS	0%	83%	10%	0%	3%	0%	0%	0%	4%	0%	0%	100.0%
C. AMERICA W.C.	U.S. EAST COAST	OILS & FATS	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
C. AMERICA W.C.	U.S. EAST COAST	PETROLEUM PRODU	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100.0%
C. AMERICA W.C.	U.S. EAST COAST	REFRIGERATED CA	0%	0%	0%	34%	0%	0%	66%	0%	0%	0%	0%	100.0%
C. AMERICA W.C.	U.S. EAST COAST	VEHICLES	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100.0%
C. AMERICA W.C.	U.S. EAST COAST	TOTAL	1%	75%	17%	0%	3%	0%	0%	0%	4%	0%	0%	100.0%
ASIA	CENTRAL AMERICA E.C.	CONTAINERIZED COMMODITIES												0.0%
C. AMERICA W.C.	CENTRAL AMERICA E.C.	CHEMICALS	0%	1%	99%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
C. AMERICA W.C.	CENTRAL AMERICA E.C.	CONTAINERIZED C	79%	5%	0%	7%	9%	0%	0%	0%	0%	0%	0%	100.0%
C. AMERICA W.C.	CENTRAL AMERICA E.C.	FERTILIZERS	10%	87%	0%	0%	0%	3%	0%	0%	0%	0%	0%	100.0%
C. AMERICA W.C.	CENTRAL AMERICA E.C.	GENERAL CARGO	0%	63%	0%	0%	37%	0%	0%	0%	0%	0%	0%	100.0%
C. AMERICA W.C.	CENTRAL AMERICA E.C.	GRAINS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
C. AMERICA W.C.	CENTRAL AMERICA E.C.	MINOR BULKS	0%	53%	22%	0%	18%	0%	2%	0%	5%	0%	0%	100.0%
C. AMERICA W.C.	CENTRAL AMERICA E.C.	OILS & FATS	0%	0%	67%	0%	0%	0%	0%	0%	33%	0%	0%	100.0%
C. AMERICA W.C.	CENTRAL AMERICA E.C.	PETROLEUM PRODU	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100.0%
C. AMERICA W.C.	CENTRAL AMERICA E.C.	REFRIGERATED CA	0%	0%	0%	0%	0%	0%	49%	0%	0%	0%	50%	100.0%
C. AMERICA W.C.	CENTRAL AMERICA E.C.	SOYBEANS & OILS	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	100.0%
C. AMERICA W.C.	CENTRAL AMERICA E.C.	VEHICLES	0%	44%	0%	0%	1%	0%	0%	0%	0%	55%	0%	100.0%
C. AMERICA W.C.	CENTRAL AMERICA E.C.	TOTAL	7%	56%	8%	0%	6%	1%	7%	0%	7%	0%	7%	100.0%

ALLOCATION OF COMMODITIES TO SHIPS, 2020

ORIGIN	DESTINATION	COMMODITY GROUP	CB	CD	CT	F	G	LP	R	RR	T	V	OTHER	TOTAL
ASIA	S. AMERICA E.C.	CHEMICALS												0.0%
C. AMERICA W.C.	S. AMERICA E.C.	CHEMICALS	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
C. AMERICA W.C.	S. AMERICA E.C.	CONTAINERIZED C	24%	19%	0%	44%	11%	0%	0%	3%	0%	0%	0%	100.0%
C. AMERICA W.C.	S. AMERICA E.C.	FERTILIZERS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
C. AMERICA W.C.	S. AMERICA E.C.	GENERAL CARGO	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
C. AMERICA W.C.	S. AMERICA E.C.	MINOR BULKS	0%	71%	0%	0%	29%	0%	0%	0%	0%	0%	0%	100.0%
C. AMERICA W.C.	S. AMERICA E.C.	PETROLEUM PRODU	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100.0%
C. AMERICA W.C.	S. AMERICA E.C.	REFRIGERATED CA	0%	0%	0%	0%	0%	0%	3%	0%	0%	0%	97%	100.0%
C. AMERICA W.C.	S. AMERICA E.C.	TOTAL	1%	39%	5%	1%	14%	0%	1%	0%	2%	0%	37%	100.0%
														0.0%
C. AMERICA W.C.	EUROPE	CONTAINERIZED C	23%	28%	0%	26%	11%	0%	2%	11%	0%	0%	0%	100.0%
C. AMERICA W.C.	EUROPE	GENERAL CARGO	39%	0%	0%	1%	33%	0%	4%	23%	0%	0%	0%	100.0%
C. AMERICA W.C.	EUROPE	MINOR BULKS	0%	67%	17%	0%	5%	0%	0%	0%	11%	0%	0%	100.0%
C. AMERICA W.C.	EUROPE	OILS & FATS	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
C. AMERICA W.C.	EUROPE	REFRIGERATED CA	0%	0%	0%	0%	0%	0%	99%	0%	0%	0%	0%	100.0%
C. AMERICA W.C.	EUROPE	SOYBEANS & OILS	62%	0%	0%	0%	38%	0%	0%	0%	0%	0%	0%	100.0%
C. AMERICA W.C.	EUROPE	VEHICLES	10%	0%	0%	0%	55%	0%	0%	35%	0%	0%	0%	100.0%
C. AMERICA W.C.	EUROPE	TOTAL	8%	20%	5%	1%	7%	0%	51%	4%	3%	0%	0%	100.0%
ASIA	EUROPE	VEHICLES												0.0%
C. AMERICA W.C.	AFRICA	CONTAINERIZED C	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
C. AMERICA W.C.	AFRICA	GENERAL CARGO	96%	0%	0%	0%	3%	0%	0%	0%	0%	0%	0%	100.0%
C. AMERICA W.C.	AFRICA	MINOR BULKS	30%	17%	0%	0%	53%	0%	0%	0%	0%	0%	0%	100.0%
C. AMERICA W.C.	AFRICA	REFRIGERATED CA	0%	0%	0%	0%	0%	0%	94%	0%	0%	0%	6%	100.0%
C. AMERICA W.C.	AFRICA	TOTAL	34%	17%	0%	0%	48%	0%	1%	0%	0%	0%	0%	100.0%
ASIA	AFRICA	REFRIGERATED CARGO												0.0%
S. AMERICA W.C.	U.S. EAST COAST	CHEMICALS	0%	0%	28%	0%	0%	0%	0%	0%	72%	0%	0%	100.0%
S. AMERICA W.C.	U.S. EAST COAST	CONTAINERIZED C	52%	1%	0%	44%	-0%	0%	3%	0%	0%	0%	0%	100.0%
S. AMERICA W.C.	U.S. EAST COAST	CRUDE OIL	0%	0%	0%	0%	0%	10%	0%	0%	90%	0%	0%	100.0%
S. AMERICA W.C.	U.S. EAST COAST	FERTILIZERS	0%	69%	0%	0%	31%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA W.C.	U.S. EAST COAST	GENERAL CARGO	77%	2%	0%	0%	17%	0%	3%	1%	0%	0%	0%	100.0%
S. AMERICA W.C.	U.S. EAST COAST	IRON ORE & CONC	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%

ALLOCATION OF COMMODITIES TO SHIPS, 2020

ORIGIN	DESTINATION	COMMODITY GROUP	CB	CD	CT	F	G	LP	R	RR	T	V	OTHER	TOTAL
S. AMERICA W.C.	U.S. EAST COAST	MINOR BULKS	3%	91%	2%	0%	4%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA W.C.	U.S. EAST COAST	OILS & FATS	8%	0%	36%	0%	3%	0%	0%	0%	53%	0%	0%	100.0%
S. AMERICA W.C.	U.S. EAST COAST	PETROLEUM PRODU	0%	0%	0%	0%	0%	10%	0%	0%	90%	0%	0%	100.0%
S. AMERICA W.C.	U.S. EAST COAST	REFRIGERATED CA	1%	0%	0%	2%	1%	0%	95%	0%	0%	0%	0%	100.0%
S. AMERICA W.C.	U.S. EAST COAST	SOYBEANS & OILS	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA W.C.	U.S. EAST COAST	VEHICLES	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA W.C.	U.S. EAST COAST	TOTAL	8%	21%	1%	2%	4%	5%	14%	1%	43%	0%	0%	100.0%
C. AMERICA W.C.	MIDDLE EAST	TOTAL												0.0%
														0.0%
CANADA WEST COAST	ASIA	GENERAL CARGO	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	ASIA	TOTAL	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	100.0%
														0.0%
OCEANIA	AFRICA	GENERAL CARGO	32%	36%	0%	0%	32%	0%	0%	0%	0%	0%	0%	100.0%
OCEANIA	AFRICA	TOTAL	32%	36%	0%	0%	32%	0%	0%	0%	0%	0%	0%	100.0%
														0.0%
OCEANIA	MIDDLE EAST	CONTAINERIZED C	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
OCEANIA	MIDDLE EAST	REFRIGERATED CA	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
OCEANIA	MIDDLE EAST	TOTAL	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
														0.0%
S. AMERICA W.C.	MIDDLE EAST	MINOR BULKS	0%	18%	0%	0%	82%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA W.C.	MIDDLE EAST	REFRIGERATED CA	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	100.0%
S. AMERICA W.C.	MIDDLE EAST	TOTAL	0%	11%	0%	0%	51%	0%	38%	0%	0%	0%	0%	100.0%
														0.0%
U.S. W.C., HAWAII	ASIA	GENERAL CARGO	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	ASIA	TOTAL	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	100.0%
														0.0%
U.S. W.C., HAWAII	MIDDLE EAST	CHEMICALS	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	MIDDLE EAST	CONTAINERIZED C	1%	0%	0%	99%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	MIDDLE EAST	FERTILIZERS	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	MIDDLE EAST	REFRIGERATED CA	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	MIDDLE EAST	TOTAL	1%	0%	6%	93%	0%	0%	0%	0%	0%	0%	0%	100.0%
														0.0%
U.S. EAST COAST	U.S. W.C., HAWAII	CHEMICALS	0%	0%	83%	0%	0%	0%	0%	0%	17%	0%	0%	100.0%
U.S. EAST COAST	U.S. W.C., HAWAII	CONTAINERIZED C	1%	0%	0%	99%	0%	0%	0%	0%	0%	0%	0%	100.0%

ALLOCATION OF COMMODITIES TO SHIPS, 2020

ORIGIN	DESTINATION	COMMODITY GROUP	CB	CD	CT	F	G	LP	R	RR	T	V	OTHER	TOTAL
U.S. EAST COAST	U.S. W.C., HAWAII	CRUDE OIL	0%	0%	0%	0%	0%	50%	0%	0%	50%	0%	0%	100.0%
U.S. EAST COAST	U.S. W.C., HAWAII	GENERAL CARGO	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100.0%
U.S. EAST COAST	U.S. W.C., HAWAII	MINOR BULKS	0%	43%	0%	0%	0%	0%	0%	0%	0%	0%	57%	100.0%
U.S. EAST COAST	U.S. W.C., HAWAII	PETROLEUM PRODU	0%	0%	5%	0%	0%	0%	0%	0%	95%	0%	0%	100.0%
U.S. EAST COAST	U.S. W.C., HAWAII	REFRIGERATED CA	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	U.S. W.C., HAWAII	VEHICLES	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100.0%
U.S. EAST COAST	U.S. W.C., HAWAII	TOTAL	0%	0%	37%	2%	0%	3%	0%	0%	56%	0%	2%	100.0%
U.S. EAST COAST	CANADA WEST COAST	CHEMICALS	0%	0%	89%	0%	0%	0%	0%	0%	11%	0%	0%	100.0%
U.S. EAST COAST	CANADA WEST COAST	FERTILIZERS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	CANADA WEST COAST	TOTAL	0%	78%	20%	0%	0%	0%	0%	0%	2%	0%	0%	100.0%
U.S. EAST COAST	C. AMERICA W.C.	CHEMICALS	0%	3%	97%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	C. AMERICA W.C.	CONTAINERIZED C	32%	0%	0%	67%	0%	0%	0%	0%	0%	0%	1%	100.0%
U.S. EAST COAST	C. AMERICA W.C.	FERTILIZERS	1%	93%	0%	0%	6%	0%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	C. AMERICA W.C.	GENERAL CARGO	47%	4%	0%	0%	45%	0%	1%	3%	0%	0%	0%	100.0%
U.S. EAST COAST	C. AMERICA W.C.	GRAINS	1%	81%	0%	0%	3%	0%	0%	0%	0%	0%	14%	100.0%
U.S. EAST COAST	C. AMERICA W.C.	LIQUIFIED PETRO	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	C. AMERICA W.C.	MINOR BULKS	8%	58%	0%	0%	0%	0%	34%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	C. AMERICA W.C.	OILS & FATS	0%	0%	56%	0%	4%	0%	0%	0%	30%	0%	10%	100.0%
U.S. EAST COAST	C. AMERICA W.C.	PETROLEUM PRODU	0%	0%	4%	0%	0%	6%	0%	0%	89%	0%	0%	100.0%
U.S. EAST COAST	C. AMERICA W.C.	REFRIGERATED CA	19%	0%	0%	81%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	C. AMERICA W.C.	SOYBEANS & OILS	1%	78%	3%	0%	13%	0%	0%	0%	0%	0%	5%	100.0%
U.S. EAST COAST	C. AMERICA W.C.	VEHICLES	96%	0%	0%	0%	3%	0%	1%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	C. AMERICA W.C.	TOTAL	2%	69%	2%	0%	4%	1%	1%	0%	13%	0%	6%	100.0%
U.S. EAST COAST	S. AMERICA W.C.	BAUXITE & ALUMI	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	S. AMERICA W.C.	CHEMICALS	0%	20%	78%	0%	0%	0%	2%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	S. AMERICA W.C.	COAL & COKE	7%	88%	0%	0%	5%	0%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	S. AMERICA W.C.	CONTAINERIZED C	52%	1%	0%	32%	3%	0%	12%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	S. AMERICA W.C.	CRUDE OIL	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	S. AMERICA W.C.	FERTILIZERS	6%	83%	0%	0%	9%	0%	2%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	S. AMERICA W.C.	GENERAL CARGO	54%	6%	0%	0%	34%	0%	2%	3%	0%	0%	0%	100.0%
U.S. EAST COAST	S. AMERICA W.C.	GRAINS	6%	78%	0%	0%	5%	0%	0%	0%	0%	0%	11%	100.0%
U.S. EAST COAST	S. AMERICA W.C.	IRON ORE & CONC	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%

ALLOCATION OF COMMODITIES TO SHIPS, 2020

ORIGIN	DESTINATION	COMMODITY GROUP	CB	CD	CT	F	G	LP	R	RR	T	V	OTHER	TOTAL
U.S. EAST COAST	S. AMERICA W.C.	LIQUIFIED PETRO	14%	0%	2%	0%	0%	83%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	S. AMERICA W.C.	MINOR BULKS	7%	26%	1%	0%	10%	0%	51%	0%	0%	0%	5%	100.0%
U.S. EAST COAST	S. AMERICA W.C.	OILS & FATS	13%	0%	83%	0%	4%	0%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	S. AMERICA W.C.	PETROLEUM PRODU	0%	0%	32%	0%	0%	0%	0%	0%	68%	0%	0%	100.0%
U.S. EAST COAST	S. AMERICA W.C.	REFRIGERATED CA	30%	0%	0%	36%	8%	0%	1%	25%	0%	0%	0%	100.0%
U.S. EAST COAST	S. AMERICA W.C.	SOYBEANS & OILS	0%	72%	6%	0%	23%	0%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	S. AMERICA W.C.	VEHICLES	40%	3%	0%	1%	28%	0%	17%	12%	0%	0%	0%	100.0%
U.S. EAST COAST	S. AMERICA W.C.	TOTAL	17%	47%	8%	3%	10%	0%	6%	1%	4%	0%	4%	100.0%
U.S. EAST COAST	OCEANIA	BAUXITE & ALUMI	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	OCEANIA	CHEMICALS	0%	2%	79%	0%	0%	0%	0%	0%	19%	0%	0%	100.0%
U.S. EAST COAST	OCEANIA	COAL & COKE	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	OCEANIA	CONTAINERIZED C	9%	2%	0%	76%	2%	0%	0%	10%	0%	1%	0%	100.0%
U.S. EAST COAST	OCEANIA	FERTILIZERS	5%	95%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	OCEANIA	GENERAL CARGO	84%	0%	3%	3%	0%	0%	0%	10%	0%	0%	0%	100.0%
U.S. EAST COAST	OCEANIA	GRAINS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	OCEANIA	LIQUIFIED PETRO	0%	0%	40%	0%	0%	60%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	OCEANIA	MINOR BULKS	26%	71%	0%	0%	0%	0%	0%	2%	0%	0%	0%	100.0%
U.S. EAST COAST	OCEANIA	OILS & FATS	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	OCEANIA	PETROLEUM PRODU	0%	0%	24%	0%	0%	0%	0%	0%	76%	0%	0%	100.0%
U.S. EAST COAST	OCEANIA	REFRIGERATED CA	33%	0%	0%	61%	0%	0%	0%	6%	0%	0%	0%	100.0%
U.S. EAST COAST	OCEANIA	SOYBEANS & OILS	11%	89%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	OCEANIA	VEHICLES	0%	0%	0%	0%	0%	0%	0%	7%	0%	93%	0%	100.0%
U.S. EAST COAST	OCEANIA	TOTAL	7%	42%	22%	14%	1%	1%	0%	4%	10%	0%	0%	100.0%
U.S. EAST COAST	ASIA	BAUXITE & ALUMI	6%	83%	0%	5%	7%	0%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	ASIA	CHEMICALS	0%	0%	89%	0%	0%	0%	0%	0%	11%	0%	0%	100.0%
U.S. EAST COAST	ASIA	COAL & COKE	0%	99%	0%	0%	1%	0%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	ASIA	CONTAINERIZED C	3%	0%	0%	96%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	ASIA	CRUDE OIL	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100.0%
U.S. EAST COAST	ASIA	FERTILIZERS	9%	90%	0%	1%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	ASIA	GENERAL CARGO	66%	20%	2%	2%	9%	0%	0%	1%	0%	0%	0%	100.0%
U.S. EAST COAST	ASIA	GRAINS	1%	99%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	ASIA	LIQUIFIED PETRO	0%	0%	9%	0%	0%	91%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	ASIA	MINOR BULKS	2%	96%	0%	0%	0%	0%	0%	0%	0%	1%	0%	100.0%

ALLOCATION OF COMMODITIES TO SHIPS, 2020

ORIGIN	DESTINATION	COMMODITY GROUP	CB	CD	CT	F	G	LP	R	RR	T	V	OTHER	TOTAL
U.S. EAST COAST	ASIA	OILS & FATS	0%	0%	98%	0%	0%	0%	0%	0%	2%	0%	0%	100.0%
U.S. EAST COAST	ASIA	PETROLEUM PRODU	0%	0%	18%	0%	0%	0%	0%	0%	82%	0%	0%	100.0%
U.S. EAST COAST	ASIA	REFRIGERATED CA	0%	0%	0%	93%	0%	0%	0%	1%	0%	7%	0%	100.0%
U.S. EAST COAST	ASIA	SOYBEANS & OILS	1%	98%	0%	1%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	ASIA	VEHICLES	15%	0%	0%	7%	0%	0%	0%	7%	0%	72%	0%	100.9%
U.S. EAST COAST	ASIA	TOTAL	3%	73%	7%	12%	1%	1%	0%	0%	3%	0%	0%	100.0%
CANADA EAST COAST	U.S. W.C., HAWAII	CONTAINERIZED C	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA EAST COAST	U.S. W.C., HAWAII	REFRIGERATED CA	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA EAST COAST	U.S. W.C., HAWAII	TOTAL	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA EAST COAST	C. AMERICA W.C.	CONTAINERIZED C	64%	0%	0%	0%	0%	0%	36%	0%	0%	0%	0%	100.0%
CANADA EAST COAST	C. AMERICA W.C.	GENERAL CARGO	34%	0%	0%	0%	62%	0%	4%	0%	0%	0%	0%	100.0%
CANADA EAST COAST	C. AMERICA W.C.	GRAINS	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	100.0%
CANADA EAST COAST	C. AMERICA W.C.	MINOR BULKS	38%	0%	0%	0%	0%	0%	62%	0%	0%	0%	0%	100.0%
CANADA EAST COAST	C. AMERICA W.C.	OILS & FATS	11%	0%	0%	0%	89%	0%	0%	0%	0%	0%	0%	100.0%
CANADA EAST COAST	C. AMERICA W.C.	REFRIGERATED CA	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	100.0%
CANADA EAST COAST	C. AMERICA W.C.	TOTAL	20%	0%	0%	0%	50%	0%	29%	0%	0%	0%	0%	100.0%
CANADA EAST COAST	S. AMERICA W.C.	COAL & COKE	19%	81%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA EAST COAST	S. AMERICA W.C.	CONTAINERIZED C	12%	0%	0%	0%	88%	0%	0%	0%	0%	0%	0%	100.0%
CANADA EAST COAST	S. AMERICA W.C.	FERTILIZERS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA EAST COAST	S. AMERICA W.C.	GENERAL CARGO	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	100.0%
CANADA EAST COAST	S. AMERICA W.C.	GRAINS	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	100.0%
CANADA EAST COAST	S. AMERICA W.C.	MINOR BULKS	10%	0%	0%	0%	57%	0%	0%	0%	0%	0%	33%	100.0%
CANADA EAST COAST	S. AMERICA W.C.	OILS & FATS	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	100.0%
CANADA EAST COAST	S. AMERICA W.C.	VEHICLES	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA EAST COAST	S. AMERICA W.C.	TOTAL	11%	72%	0%	0%	14%	0%	0%	0%	0%	0%	2%	100.0%
CANADA EAST COAST	OCEANIA	CONTAINERIZED C	7%	3%	0%	72%	2%	0%	0%	16%	0%	0%	0%	100.0%
CANADA EAST COAST	OCEANIA	FERTILIZERS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA EAST COAST	OCEANIA	GENERAL CARGO	0%	0%	0%	90%	0%	0%	0%	10%	0%	0%	0%	100.0%
CANADA EAST COAST	OCEANIA	MINOR BULKS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA EAST COAST	OCEANIA	REFRIGERATED CA	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA EAST COAST	OCEANIA	VEHICLES	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100.0%

ALLOCATION OF COMMODITIES TO SHIPS, 2020

ORIGIN	DESTINATION	COMMODITY GROUP	CB	CD	CT	F	G	LP	R	RR	T	V	OTHER	TOTAL
CANADA EAST COAST	OCEANIA	TOTAL	5%	24%	0%	57%	1%	0%	0%	12%	0%	0%	0%	100.0%
CANADA EAST COAST	ASIA	CONTAINERIZED C	1%	0%	0%	99%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA EAST COAST	ASIA	FERTILIZERS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA EAST COAST	ASIA	GENERAL CARGO	68%	26%	0%	0%	0%	0%	0%	6%	0%	0%	0%	100.0%
CANADA EAST COAST	ASIA	GRAINS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA EAST COAST	ASIA	MINOR BULKS	0%	99%	0%	0%	0%	0%	0%	1%	0%	0%	0%	100.0%
CANADA EAST COAST	ASIA	PETROLEUM PRODU	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100.0%
CANADA EAST COAST	ASIA	REFRIGERATED CA	0%	0%	0%	18%	0%	0%	71%	0%	0%	0%	12%	100.0%
CANADA EAST COAST	ASIA	SOYBEANS & OILS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA EAST COAST	ASIA	VEHICLES	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	100.0%
CANADA EAST COAST	ASIA	TOTAL	7%	68%	0%	13%	0%	0%	2%	1%	8%	0%	0%	100.0%
CENTRAL AMERICA	E.C.U.S. W.C., HAWAII	BAUXITE & ALUMI	20%	80%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CENTRAL AMERICA	E.C.U.S. W.C., HAWAII	CHEMICALS	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CENTRAL AMERICA	E.C.U.S. W.C., HAWAII	CONTAINERIZED C	52%	0%	0%	48%	0%	0%	0%	0%	0%	0%	0%	100.0%
CENTRAL AMERICA	E.C.U.S. W.C., HAWAII	CRUDE OIL	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100.0%
CENTRAL AMERICA	E.C.U.S. W.C., HAWAII	GENERAL CARGO	33%	21%	0%	0%	45%	0%	0%	0%	0%	0%	2%	100.0%
CENTRAL AMERICA	E.C.U.S. W.C., HAWAII	LIQUIFIED PETRO	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	100.0%
CENTRAL AMERICA	E.C.U.S. W.C., HAWAII	MINOR BULKS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CENTRAL AMERICA	E.C.U.S. W.C., HAWAII	PETROLEUM PRODU	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100.0%
CENTRAL AMERICA	E.C.U.S. W.C., HAWAII	REFRIGERATED CA	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CENTRAL AMERICA	E.C.U.S. W.C., HAWAII	TOTAL	4%	12%	0%	1%	1%	1%	0%	0%	81%	0%	0%	100.0%
CENTRAL AMERICA	E.C.C. AMERICA W.C.	CHEMICALS	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CENTRAL AMERICA	E.C.C. AMERICA W.C.	CONTAINERIZED C	51%	38%	0%	2%	8%	0%	1%	0%	0%	0%	0%	100.0%
CENTRAL AMERICA	E.C.C. AMERICA W.C.	CRUDE OIL	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100.0%
CENTRAL AMERICA	E.C.C. AMERICA W.C.	FERTILIZERS	0%	89%	0%	0%	5%	7%	0%	0%	0%	0%	0%	100.0%
CENTRAL AMERICA	E.C.C. AMERICA W.C.	GENERAL CARGO	0%	0%	0%	0%	78%	0%	17%	1%	0%	0%	3%	100.0%
CENTRAL AMERICA	E.C.C. AMERICA W.C.	LIQUIFIED PETRO	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	100.0%
CENTRAL AMERICA	E.C.C. AMERICA W.C.	MINOR BULKS	0%	3%	0%	3%	48%	0%	2%	0%	0%	0%	45%	100.0%
CENTRAL AMERICA	E.C.C. AMERICA W.C.	OILS & FATS	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100.0%
CENTRAL AMERICA	E.C.C. AMERICA W.C.	PETROLEUM PRODU	0%	0%	14%	0%	0%	0%	0%	0%	86%	0%	0%	100.0%
CENTRAL AMERICA	E.C.C. AMERICA W.C.	REFRIGERATED CA	0%	0%	0%	13%	0%	0%	0%	0%	0%	0%	87%	100.0%
CENTRAL AMERICA	E.C.C. AMERICA W.C.	VEHICLES	3%	0%	0%	0%	16%	0%	0%	19%	0%	62%	0%	100.0%

ALLOCATION OF COMMODITIES TO SHIPS, 2020

ORIGIN	DESTINATION	COMMODITY GROUP	CB	CD	CT	F	G	LP	R	RR	T	V	OTHER	TOTAL
CENTRAL AMERICA E.C.	C. AMERICA W.C.	TOTAL	1%	21%	3%	0%	3%	20%	0%	0%	50%	0%	1%	100.0%
CENTRAL AMERICA E.C.	S. AMERICA W.C.	CHEMICALS	2%	0%	98%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CENTRAL AMERICA E.C.	S. AMERICA W.C.	CONTAINERIZED C	42%	1%	0%	3%	9%	0%	8%	38%	0%	0%	0%	100.0%
CENTRAL AMERICA E.C.	S. AMERICA W.C.	CRUDE OIL	0%	0%	0%	0%	0%	50%	0%	0%	50%	0%	0%	100.0%
CENTRAL AMERICA E.C.	S. AMERICA W.C.	FERTILIZERS	2%	65%	0%	0%	34%	0%	0%	0%	0%	0%	0%	100.0%
CENTRAL AMERICA E.C.	S. AMERICA W.C.	GENERAL CARGO	35%	12%	0%	0%	47%	0%	4%	1%	0%	0%	0%	100.0%
CENTRAL AMERICA E.C.	S. AMERICA W.C.	LIQUIFIED PETRO	0%	0%	0%	0%	0%	79%	0%	0%	0%	0%	21%	100.0%
CENTRAL AMERICA E.C.	S. AMERICA W.C.	MINOR BULKS	12%	63%	0%	0%	18%	0%	7%	0%	0%	0%	0%	100.0%
CENTRAL AMERICA E.C.	S. AMERICA W.C.	PETROLEUM PRODU	0%	0%	20%	0%	0%	0%	0%	0%	80%	0%	0%	100.0%
CENTRAL AMERICA E.C.	S. AMERICA W.C.	REFRIGERATED CA	0%	0%	0%	0%	0%	0%	98%	0%	0%	0%	1%	100.0%
CENTRAL AMERICA E.C.	S. AMERICA W.C.	VEHICLES	3%	0%	0%	0%	0%	0%	47%	51%	0%	0%	0%	100.0%
CENTRAL AMERICA E.C.	S. AMERICA W.C.	TOTAL	6%	13%	10%	0%	9%	11%	2%	3%	45%	0%	1%	100.0%
CENTRAL AMERICA E.C.	OCEANIA	CONTAINERIZED C	0%	0%	0%	28%	0%	0%	0%	72%	0%	0%	0%	100.0%
CENTRAL AMERICA E.C.	OCEANIA	GENERAL CARGO	66%	0%	0%	0%	34%	0%	0%	0%	0%	0%	0%	100.0%
CENTRAL AMERICA E.C.	OCEANIA	MINOR BULKS	40%	58%	0%	0%	2%	0%	0%	0%	0%	0%	0%	100.0%
CENTRAL AMERICA E.C.	OCEANIA	VEHICLES	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	100.0%
CENTRAL AMERICA E.C.	OCEANIA	TOTAL	39%	31%	0%	5%	10%	0%	0%	14%	0%	1%	0%	100.0%
CENTRAL AMERICA E.C.	ASIA	CHEMICALS	0%	3%	57%	0%	0%	9%	0%	0%	30%	0%	0%	100.0%
CENTRAL AMERICA E.C.	ASIA	CONTAINERIZED C	4%	0%	0%	96%	0%	0%	0%	0%	0%	0%	0%	100.0%
CENTRAL AMERICA E.C.	ASIA	FERTILIZERS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CENTRAL AMERICA E.C.	ASIA	GENERAL CARGO	33%	32%	0%	0%	35%	0%	0%	0%	0%	0%	0%	100.0%
CENTRAL AMERICA E.C.	ASIA	LIQUIFIED PETRO	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	100.0%
CENTRAL AMERICA E.C.	ASIA	MINOR BULKS	13%	50%	0%	0%	37%	0%	0%	0%	0%	0%	0%	100.0%
CENTRAL AMERICA E.C.	ASIA	OILS & FATS	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CENTRAL AMERICA E.C.	ASIA	PETROLEUM PRODU	0%	0%	21%	0%	0%	0%	0%	0%	79%	0%	0%	100.0%
CENTRAL AMERICA E.C.	ASIA	REFRIGERATED CA	1%	0%	0%	0%	8%	0%	85%	0%	0%	0%	6%	100.0%
CENTRAL AMERICA E.C.	ASIA	TOTAL	10%	40%	7%	7%	24%	4%	1%	0%	7%	0%	0%	100.0%
S. AMERICA E.C.	U.S. W.C., HAWAII	BAUXITE & ALUMI	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	U.S. W.C., HAWAII	CONTAINERIZED C	87%	6%	0%	4%	3%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	U.S. W.C., HAWAII	CRUDE OIL	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100.0%
S. AMERICA E.C.	U.S. W.C., HAWAII	GENERAL CARGO	93%	0%	0%	0%	6%	0%	0%	0%	0%	0%	0%	100.0%

ALLOCATION OF COMMODITIES TO SHIPS, 2020

ORIGIN	DESTINATION	COMMODITY GROUP	CB	CD	CT	F	G	LP	R	RR	T	V	OTHER	TOTAL
S. AMERICA E.C.	U.S. W.C., HAWAII	IRON ORE & CONC	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	U.S. W.C., HAWAII	MINOR BULKS	8%	89%	0%	0%	1%	0%	0%	0%	0%	0%	3%	100.0%
S. AMERICA E.C.	U.S. W.C., HAWAII	OILS & FATS	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100.0%
S. AMERICA E.C.	U.S. W.C., HAWAII	PETROLEUM PRODU	0%	0%	5%	0%	0%	7%	0%	0%	87%	0%	0%	100.0%
S. AMERICA E.C.	U.S. W.C., HAWAII	REFRIGERATED CA	94%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	U.S. W.C., HAWAII	VEHICLES	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	U.S. W.C., HAWAII	TOTAL	10%	42%	2%	0%	1%	2%	0%	0%	42%	0%	1%	100.0%
S. AMERICA E.C.	CANADA WEST COAST	BAUXITE & ALUMI	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	CANADA WEST COAST	CONTAINERIZED C	93%	7%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	CANADA WEST COAST	GENERAL CARGO	96%	3%	0%	0%	1%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	CANADA WEST COAST	MINOR BULKS	32%	68%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	CANADA WEST COAST	REFRIGERATED CA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100.0%
S. AMERICA E.C.	CANADA WEST COAST	TOTAL	56%	44%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	C. AMERICA W.C.	CONTAINERIZED C	91%	0%	0%	9%	0%	0%	0%	0%	0%	0%	0%	0.0%
S. AMERICA E.C.	C. AMERICA W.C.	CRUDE OIL	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100.0%
S. AMERICA E.C.	C. AMERICA W.C.	FERTILIZERS	0%	42%	0%	0%	0%	58%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	C. AMERICA W.C.	GENERAL CARGO	15%	83%	0%	0%	2%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	C. AMERICA W.C.	LIQUIFIED PETRO	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	C. AMERICA W.C.	MINOR BULKS	20%	45%	0%	0%	35%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	C. AMERICA W.C.	OILS & FATS	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	C. AMERICA W.C.	PETROLEUM PRODU	0%	0%	1%	0%	0%	9%	0%	0%	90%	0%	0%	100.0%
S. AMERICA E.C.	C. AMERICA W.C.	REFRIGERATED CA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100.0%
S. AMERICA E.C.	C. AMERICA W.C.	VEHICLES	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	C. AMERICA W.C.	TOTAL	4%	7%	1%	0%	4%	3%	0%	0%	80%	0%	0%	100.0%
S. AMERICA E.C.	S. AMERICA W.C.	BAUXITE & ALUMI	0%	62%	0%	0%	38%	0%	0%	0%	0%	0%	0%	0.0%
S. AMERICA E.C.	S. AMERICA W.C.	CHEMICALS	7%	0%	89%	0%	3%	0%	0%	0%	1%	0%	0%	100.0%
S. AMERICA E.C.	S. AMERICA W.C.	COAL & COKE	11%	72%	0%	0%	16%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	S. AMERICA W.C.	CONTAINERIZED C	60%	3%	0%	25%	12%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	S. AMERICA W.C.	CRUDE OIL	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100.0%
S. AMERICA E.C.	S. AMERICA W.C.	FERTILIZERS	2%	52%	0%	0%	13%	34%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	S. AMERICA W.C.	GENERAL CARGO	51%	12%	0%	0%	37%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	S. AMERICA W.C.	LIQUIFIED PETRO	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	100.0%

ALLOCATION OF COMMODITIES TO SHIPS, 2020

ORIGIN	DESTINATION	COMMODITY GROUP	CB	CD	CT	F	G	LP	R	RR	T	V	OTHER	TOTAL
S. AMERICA E.C.	S. AMERICA W.C.	MINOR BULKS	17%	51%	0%	0%	31%	0%	1%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	S. AMERICA W.C.	OILS & FATS	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	S. AMERICA W.C.	PETROLEUM PRODU	0%	0%	21%	0%	0%	6%	0%	0%	73%	0%	0%	100.0%
S. AMERICA E.C.	S. AMERICA W.C.	REFRIGERATED CA	0%	0%	0%	0%	0%	0%	95%	0%	0%	0%	5%	100.0%
S. AMERICA E.C.	S. AMERICA W.C.	SOYBEANS & OILS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	S. AMERICA W.C.	VEHICLES	35%	5%	0%	0%	44%	0%	16%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	S. AMERICA W.C.	TOTAL	7%	15%	4%	1%	7%	14%	0%	0%	53%	0%	0%	100.0%
														0.0%
S. AMERICA E.C.	OCEANIA	BAUXITE & ALUMI	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	OCEANIA	CONTAINERIZED C	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	OCEANIA	GENERAL CARGO	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	OCEANIA	TOTAL	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
														0.0%
S. AMERICA E.C.	ASIA	BAUXITE & ALUMI	82%	18%	0%	0%	1%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	ASIA	CHEMICALS	6%	0%	0%	0%	0%	94%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	ASIA	COAL & COKE	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	ASIA	CONTAINERIZED C	32%	24%	0%	45%	0%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	ASIA	FERTILIZERS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	ASIA	GENERAL CARGO	53%	13%	0%	2%	31%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	ASIA	GRAINS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	ASIA	IRON ORE & CONC	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	ASIA	LIQUIFIED PETRO	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	ASIA	MINOR BULKS	8%	89%	0%	0%	3%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	ASIA	PETROLEUM PRODU	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100.0%
S. AMERICA E.C.	ASIA	REFRIGERATED CA	8%	2%	0%	5%	0%	0%	43%	0%	0%	0%	41%	100.0%
S. AMERICA E.C.	ASIA	SOYBEANS & OILS	5%	95%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	ASIA	TOTAL	24%	51%	0%	2%	11%	1%	1%	0%	9%	0%	1%	100.0%
														0.0%
EUROPE	U.S. W.C., HAWAII	BAUXITE & ALUMI	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
EUROPE	U.S. W.C., HAWAII	CHEMICALS	0%	8%	92%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
EUROPE	U.S. W.C., HAWAII	CONTAINERIZED C	3%	18%	0%	79%	0%	0%	0%	0%	0%	0%	0%	100.0%
EUROPE	U.S. W.C., HAWAII	FERTILIZERS	22%	54%	18%	0%	0%	0%	0%	0%	6%	0%	0%	100.0%
EUROPE	U.S. W.C., HAWAII	GENERAL CARGO	28%	59%	0%	5%	0%	0%	1%	0%	0%	4%	3%	100.0%
EUROPE	U.S. W.C., HAWAII	MINOR BULKS	14%	85%	0%	0%	1%	0%	0%	0%	0%	0%	0%	100.0%
EUROPE	U.S. W.C., HAWAII	OILS & FATS	0%	1%	99%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%

ALLOCATION OF COMMODITIES TO SHIPS, 2020

ORIGIN	DESTINATION	COMMODITY GROUP	CB	CD	CT	F	G	LP	R	RR	T	V	OTHER	TOTAL
EUROPE	U.S. W.C., HAWAII	PETROLEUM PRODU	0%	0%	8%	0%	0%	0%	0%	0%	92%	0%	0%	100.0%
EUROPE	U.S. W.C., HAWAII	REFRIGERATED CA	3%	1%	0%	96%	0%	0%	0%	0%	0%	0%	0%	100.0%
EUROPE	U.S. W.C., HAWAII	SOYBEANS & OILS	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
EUROPE	U.S. W.C., HAWAII	VEHICLES	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	100.0%
EUROPE	U.S. W.C., HAWAII	TOTAL	8%	35%	3%	38%	0%	0%	0%	0%	10%	5%	0%	100.0%
EUROPE	CANADA WEST COAST	CHEMICALS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0.0%
EUROPE	CANADA WEST COAST	CONTAINERIZED C	5%	22%	0%	73%	0%	0%	0%	0%	0%	0%	0%	100.0%
EUROPE	CANADA WEST COAST	FERTILIZERS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
EUROPE	CANADA WEST COAST	GENERAL CARGO	55%	40%	0%	1%	0%	0%	0%	0%	0%	0%	0%	100.0%
EUROPE	CANADA WEST COAST	MINOR BULKS	14%	80%	0%	0%	5%	0%	0%	0%	0%	3%	1%	100.0%
EUROPE	CANADA WEST COAST	PETROLEUM PRODU	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	100.0%
EUROPE	CANADA WEST COAST	REFRIGERATED CA	8%	2%	0%	90%	0%	0%	0%	0%	0%	0%	0%	100.0%
EUROPE	CANADA WEST COAST	VEHICLES	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	100.0%
EUROPE	CANADA WEST COAST	TOTAL	16%	48%	0%	31%	2%	0%	0%	0%	0%	3%	0%	100.0%
EUROPE	C. AMERICA W.C.	CHEMICALS	2%	0%	42%	0%	3%	0%	2%	2%	48%	0%	0%	0.0%
EUROPE	C. AMERICA W.C.	CONTAINERIZED C	41%	0%	0%	1%	24%	0%	4%	29%	0%	0%	0%	100.0%
EUROPE	C. AMERICA W.C.	FERTILIZERS	2%	86%	0%	0%	11%	0%	1%	1%	0%	0%	0%	100.0%
EUROPE	C. AMERICA W.C.	GENERAL CARGO	27%	1%	0%	0%	51%	0%	2%	19%	0%	0%	0%	100.0%
EUROPE	C. AMERICA W.C.	GRAINS	0%	17%	0%	0%	42%	0%	0%	40%	0%	0%	0%	100.0%
EUROPE	C. AMERICA W.C.	LIQUIFIED PETRO	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	100.0%
EUROPE	C. AMERICA W.C.	MINOR BULKS	6%	46%	0%	0%	34%	0%	1%	13%	0%	0%	0%	100.0%
EUROPE	C. AMERICA W.C.	OILS & FATS	32%	0%	47%	0%	21%	0%	0%	0%	0%	0%	0%	100.0%
EUROPE	C. AMERICA W.C.	PETROLEUM PRODU	0%	0%	15%	0%	0%	0%	0%	0%	84%	0%	0%	100.0%
EUROPE	C. AMERICA W.C.	REFRIGERATED CA	11%	0%	0%	0%	83%	0%	3%	3%	0%	0%	0%	100.0%
EUROPE	C. AMERICA W.C.	SOYBEANS & OILS	8%	92%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
EUROPE	C. AMERICA W.C.	VEHICLES	12%	0%	0%	0%	61%	0%	1%	26%	0%	0%	0%	100.0%
EUROPE	C. AMERICA W.C.	TOTAL	9%	56%	2%	0%	20%	0%	1%	8%	4%	0%	0%	100.0%
EUROPE	S. AMERICA W.C.	CHEMICALS	7%	0%	50%	0%	5%	0%	1%	0%	38%	0%	0%	0.0%
EUROPE	S. AMERICA W.C.	CONTAINERIZED C	21%	1%	0%	77%	0%	0%	1%	0%	0%	0%	0%	100.0%
EUROPE	S. AMERICA W.C.	FERTILIZERS	11%	61%	0%	0%	25%	0%	3%	0%	0%	0%	0%	100.0%
EUROPE	S. AMERICA W.C.	GENERAL CARGO	64%	0%	0%	2%	23%	0%	8%	0%	0%	0%	2%	100.0%
EUROPE	S. AMERICA W.C.	GRAINS	0%	30%	0%	0%	70%	0%	0%	0%	0%	0%	0%	100.0%

ALLOCATION OF COMMODITIES TO SHIPS, 2020

ORIGIN	DESTINATION	COMMODITY GROUP	CB	CD	CT	F	G	LP	R	RR	T	V	OTHER	TOTAL
EUROPE	S. AMERICA W.C.	LIQUIFIED PETRO	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	100.0%
EUROPE	S. AMERICA W.C.	MINOR BULKS	36%	1%	0%	0%	39%	0%	22%	0%	0%	0%	2%	100.0%
EUROPE	S. AMERICA W.C.	OILS & FATS	21%	0%	73%	0%	0%	0%	3%	0%	0%	0%	3%	100.0%
EUROPE	S. AMERICA W.C.	PETROLEUM PRODU	0%	0%	8%	0%	0%	0%	9%	0%	81%	0%	2%	100.0%
EUROPE	S. AMERICA W.C.	REFRIGERATED CA	9%	0%	0%	27%	1%	0%	61%	0%	0%	0%	2%	100.0%
EUROPE	S. AMERICA W.C.	VEHICLES	47%	0%	0%	1%	49%	0%	2%	0%	0%	0%	0%	100.0%
EUROPE	S. AMERICA W.C.	TOTAL	21%	12%	3%	22%	15%	1%	7%	0%	18%	0%	1%	100.0%
														0.0%
EUROPE	OCEANIA	CHEMICALS	1%	0%	87%	0%	1%	0%	0%	0%	12%	0%	0%	100.0%
EUROPE	OCEANIA	COAL & COKE	50%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
EUROPE	OCEANIA	CONTAINERIZED C	50%	2%	0%	10%	4%	0%	0%	34%	0%	0%	0%	100.0%
EUROPE	OCEANIA	FERTILIZERS	5%	85%	3%	0%	8%	0%	0%	0%	0%	0%	0%	100.0%
EUROPE	OCEANIA	GENERAL CARGO	48%	0%	0%	0%	27%	0%	0%	19%	0%	0%	5%	100.0%
EUROPE	OCEANIA	GRAINS	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	100.0%
EUROPE	OCEANIA	LIQUIFIED PETRO	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
EUROPE	OCEANIA	MINOR BULKS	35%	40%	0%	0%	16%	0%	0%	8%	0%	0%	0%	100.0%
EUROPE	OCEANIA	OILS & FATS	20%	0%	34%	0%	46%	0%	0%	0%	0%	0%	0%	100.0%
EUROPE	OCEANIA	PETROLEUM PRODU	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
EUROPE	OCEANIA	REFRIGERATED CA	17%	0%	0%	1%	11%	0%	0%	72%	0%	0%	0%	100.0%
EUROPE	OCEANIA	SOYBEANS & OILS	48%	0%	0%	0%	52%	0%	0%	0%	0%	0%	0%	100.0%
EUROPE	OCEANIA	VEHICLES	16%	0%	0%	0%	4%	0%	0%	58%	0%	22%	0%	100.0%
EUROPE	OCEANIA	TOTAL	36%	9%	12%	1%	12%	0%	0%	28%	1%	0%	1%	100.0%
														0.0%
EUROPE	ASIA	CHEMICALS	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
EUROPE	ASIA	CONTAINERIZED C	12%	0%	0%	81%	0%	0%	0%	7%	0%	0%	0%	100.0%
EUROPE	ASIA	FERTILIZERS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
EUROPE	ASIA	GENERAL CARGO	34%	0%	6%	0%	33%	0%	0%	2%	0%	1%	23%	100.0%
EUROPE	ASIA	MINOR BULKS	2%	98%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
EUROPE	ASIA	OILS & FATS	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
EUROPE	ASIA	PETROLEUM PRODU	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
EUROPE	ASIA	REFRIGERATED CA	0%	0%	0%	1%	0%	0%	97%	0%	0%	0%	2%	100.0%
EUROPE	ASIA	VEHICLES	0%	0%	0%	0%	0%	0%	0%	5%	0%	95%	0%	100.0%
EUROPE	ASIA	TOTAL	5%	17%	36%	13%	3%	0%	19%	1%	0%	2%	3%	100.0%
														0.0%
AFRICA	U.S. W.C., HAWAII	CONTAINERIZED C	74%	3%	0%	23%	0%	0%	0%	0%	0%	0%	0%	100.0%

ALLOCATION OF COMMODITIES TO SHIPS, 2020

ORIGIN	DESTINATION	COMMODITY GROUP	CB	CD	CT	F	G	LP	R	RR	T	V	OTHER	TOTAL
AFRICA	U.S. W.C., HAWAII	GENERAL CARGO	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
AFRICA	U.S. W.C., HAWAII	MINOR BULKS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
AFRICA	U.S. W.C., HAWAII	PETROLEUM PRODU	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100.0%
AFRICA	U.S. W.C., HAWAII	REFRIGERATED CA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100.0%
AFRICA	U.S. W.C., HAWAII	VEHICLES	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
AFRICA	U.S. W.C., HAWAII	TOTAL	3%	53%	0%	1%	0%	0%	0%	0%	43%	0%	0%	100.0%
			0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0.0%
AFRICA	CANADA WEST COAST	CONTAINERIZED C	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
AFRICA	CANADA WEST COAST	FERTILIZERS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
AFRICA	CANADA WEST COAST	GENERAL CARGO	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
AFRICA	CANADA WEST COAST	TOTAL	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
														0.0%
AFRICA	C. AMERICA W.C.	CONTAINERIZED C	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
AFRICA	C. AMERICA W.C.	FERTILIZERS	12%	88%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
AFRICA	C. AMERICA W.C.	GENERAL CARGO	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	100.0%
AFRICA	C. AMERICA W.C.	GRAINS	30%	0%	0%	0%	70%	0%	0%	0%	0%	0%	0%	100.0%
AFRICA	C. AMERICA W.C.	REFRIGERATED CA	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	100.0%
AFRICA	C. AMERICA W.C.	TOTAL	13%	83%	0%	0%	4%	0%	0%	0%	0%	0%	0%	100.0%
														0.0%
AFRICA	S. AMERICA W.C.	CHEMICALS	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
AFRICA	S. AMERICA W.C.	CONTAINERIZED C	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	100.0%
AFRICA	S. AMERICA W.C.	FERTILIZERS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
AFRICA	S. AMERICA W.C.	GENERAL CARGO	0%	0%	0%	0%	37%	0%	36%	0%	0%	0%	26%	100.0%
AFRICA	S. AMERICA W.C.	GRAINS	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	100.0%
AFRICA	S. AMERICA W.C.	MINOR BULKS	0%	0%	0%	0%	0%	0%	99%	0%	0%	0%	1%	100.0%
AFRICA	S. AMERICA W.C.	REFRIGERATED CA	0%	0%	0%	0%	0%	0%	65%	0%	0%	0%	35%	100.0%
AFRICA	S. AMERICA W.C.	TOTAL	0%	64%	14%	0%	17%	0%	5%	0%	0%	0%	0%	100.0%
														0.0%
AFRICA	OCEANIA	CONTAINERIZED C	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100.0%
AFRICA	OCEANIA	FERTILIZERS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
AFRICA	OCEANIA	GENERAL CARGO	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100.0%
AFRICA	OCEANIA	TOTAL	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
														0.0%
AFRICA	ASIA	CONTAINERIZED C	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100.0%
AFRICA	ASIA	GENERAL CARGO	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100.0%

ALLOCATION OF COMMODITIES TO SHIPS, 2020

ORIGIN	DESTINATION	COMMODITY GROUP	CB	CD	CT	F	G	LP	R	RR	T	V	OTHER	TOTAL
AFRICA	ASIA	MINOR BULKS	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100.0%
AFRICA	ASIA	REFRIGERATED CA	0%	0%	0%	0%	0%	0%	81%	0%	0%	0%	19%	100.0%
AFRICA	ASIA	TOTAL	0%	0%	0%	0%	0%	0%	81%	0%	0%	0%	19%	100.0%
MIDDLE EAST	U.S. W.C., HAWAII	CONTAINERIZED C	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0.0%
MIDDLE EAST	U.S. W.C., HAWAII	GENERAL CARGO	0%	0%	0%	14%	86%	0%	0%	0%	0%	0%	0%	100.0%
MIDDLE EAST	U.S. W.C., HAWAII	PETROLEUM PRODU	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100.0%
MIDDLE EAST	U.S. W.C., HAWAII	REFRIGERATED CA	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	100.0%
MIDDLE EAST	U.S. W.C., HAWAII	TOTAL	0%	0%	0%	51%	3%	0%	0%	0%	46%	0%	0%	100.0%
ASIA	C. AMERICA W.C.	GENERAL CARGO	66%	0%	0%	0%	34%	0%	0%	0%	0%	0%	0%	0.0%
ASIA	C. AMERICA W.C.	TOTAL	66%	0%	0%	0%	34%	0%	0%	0%	0%	0%	0%	100.0%
CANADA EAST COAST	CANADA WEST COAST	GENERAL CARGO	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0.0%
CANADA EAST COAST	CANADA WEST COAST	TOTAL	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100.0%
CENTRAL AMERICA E.C.	CANADA WEST COAST	CONTAINERIZED C	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0.0%
CENTRAL AMERICA E.C.	CANADA WEST COAST	GENERAL CARGO	43%	57%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CENTRAL AMERICA E.C.	CANADA WEST COAST	MINOR BULKS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CENTRAL AMERICA E.C.	CANADA WEST COAST	TOTAL	32%	68%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
MIDDLE EAST	ASIA	CONTAINERIZED C	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0.0%
MIDDLE EAST	ASIA	REFRIGERATED CA	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	100.0%
MIDDLE EAST	ASIA	TOTAL	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	100.0%
MIDDLE EAST	OCEANIA	CONTAINERIZED C	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0.0%
MIDDLE EAST	OCEANIA	MINOR BULKS	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100.0%
MIDDLE EAST	OCEANIA	REFRIGERATED CA	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100.0%
MIDDLE EAST	OCEANIA	TOTAL	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100.0%
MIDDLE EAST	S. AMERICA W.C.	CONTAINERIZED C	0%	0%	0%	86%	14%	0%	0%	0%	0%	0%	0%	0.0%
MIDDLE EAST	S. AMERICA W.C.	FERTILIZERS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
MIDDLE EAST	S. AMERICA W.C.	GENERAL CARGO	0%	0%	0%	0%	23%	0%	77%	0%	0%	0%	0%	100.0%
MIDDLE EAST	S. AMERICA W.C.	VEHICLES	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	100.0%
MIDDLE EAST	S. AMERICA W.C.	TOTAL	0%	93%	0%	1%	3%	0%	3%	0%	0%	0%	0%	100.0%

ALLOCATION OF COMMODITIES TO SHIPS, 2060

ORIGIN	DESTINATION	COMMODITY GROUP	CB	CD	CT	F	G	LP	R	RR	T	V	OTHER	TOTAL
S. AMERICA W.C.	CANADA EAST COAST	GENERAL CARGO	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100.0%
U.S. W.C., HAWAII	U.S. EAST COAST	CHEMICALS	0%	0%	93%	0%	0%	0%	0%	0%	7%	0%	0%	100.0%
U.S. W.C., HAWAII	U.S. EAST COAST	CONTAINERIZED C	2%	0%	0%	96%	0%	0%	0%	3%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	U.S. EAST COAST	CRUDE OIL	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100.0%
U.S. W.C., HAWAII	U.S. EAST COAST	GENERAL CARGO	0%	0%	15%	0%	0%	0%	0%	0%	0%	0%	84%	100.0%
U.S. W.C., HAWAII	U.S. EAST COAST	LIQUIFIED PETRO	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	U.S. EAST COAST	MINOR BULKS	0%	87%	13%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	U.S. EAST COAST	OILS & FATS	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	U.S. EAST COAST	PETROLEUM PRODU	0%	0%	38%	0%	0%	0%	0%	0%	62%	0%	0%	100.0%
U.S. W.C., HAWAII	U.S. EAST COAST	REFRIGERATED CA	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	U.S. EAST COAST	VEHICLES	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	U.S. EAST COAST	TOTAL	0%	17%	26%	8%	0%	0%	0%	0%	46%	0%	2%	100.0%
U.S. W.C., HAWAII	CANADA EAST COAST	COAL & COKE	18%	82%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	CANADA EAST COAST	CONTAINERIZED C	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	CANADA EAST COAST	GENERAL CARGO	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	CANADA EAST COAST	MINOR BULKS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	CANADA EAST COAST	PETROLEUM PRODU	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100.0%
U.S. W.C., HAWAII	CANADA EAST COAST	REFRIGERATED CA	0%	0%	0%	37%	0%	0%	0%	0%	0%	0%	63%	100.0%
U.S. W.C., HAWAII	CANADA EAST COAST	TOTAL	13%	68%	0%	2%	0%	0%	0%	0%	18%	0%	0%	100.0%
S. AMERICA W.C.	S. AMERICA E.C.	FERTILIZERS	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0.0%
U.S. W.C., HAWAII	CENTRAL AMERICA E.C.	COAL & COKE	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	CENTRAL AMERICA E.C.	CONTAINERIZED C	46%	0%	0%	35%	0%	0%	0%	19%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	CENTRAL AMERICA E.C.	GENERAL CARGO	0%	0%	0%	0%	24%	0%	0%	0%	0%	0%	76%	100.0%
U.S. W.C., HAWAII	CENTRAL AMERICA E.C.	PETROLEUM PRODU	0%	0%	11%	0%	0%	0%	0%	0%	89%	0%	0%	100.0%
U.S. W.C., HAWAII	CENTRAL AMERICA E.C.	REFRIGERATED CA	96%	0%	0%	4%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	CENTRAL AMERICA E.C.	VEHICLES	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	CENTRAL AMERICA E.C.	TOTAL	6%	6%	9%	4%	0%	0%	0%	2%	74%	0%	0%	100.0%
S. AMERICA W.C.	S. AMERICA E.C.	TOTAL												
U.S. W.C., HAWAII	S. AMERICA E.C.	CHEMICALS	0%	0%	99%	0%	0%	0%	1%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	S. AMERICA E.C.	COAL & COKE	0%	80%	0%	0%	20%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	S. AMERICA E.C.	CONTAINERIZED C	77%	5%	0%	0%	18%	0%	0%	0%	0%	0%	0%	100.0%

ALLOCATION OF COMMODITIES TO SHIPS, 2060

ORIGIN	DESTINATION	COMMODITY GROUP	CB	CD	CT	F	G	LP	R	RR	T	V	OTHER	TOTAL
U.S. W.C., HAWAII	S. AMERICA E.C.	GENERAL CARGO	94%	0%	0%	0%	5%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	S. AMERICA E.C.	MINOR BULKS	4%	96%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	S. AMERICA E.C.	PETROLEUM PRODU	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100.0%
U.S. W.C., HAWAII	S. AMERICA E.C.	REFRIGERATED CA	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	S. AMERICA E.C.	TOTAL	11%	58%	3%	0%	2%	0%	1%	0%	25%	0%	0%	100.0%
S. AMERICA W.C.	EUROPE	OILS & FATS												
U.S. W.C., HAWAII	EUROPE	CHEMICALS	0%	1%	99%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	EUROPE	COAL & COKE	2%	98%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	EUROPE	CONTAINERIZED C	8%	11%	0%	81%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	EUROPE	GENERAL CARGO	53%	40%	0%	6%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	EUROPE	GRAINS	0%	87%	0%	0%	13%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	EUROPE	IRON ORE & CONC	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	EUROPE	LIQUIFIED PETRO	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	EUROPE	MINOR BULKS	2%	97%	0%	0%	0%	0%	1%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	EUROPE	OILS & FATS	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	EUROPE	PETROLEUM PRODU	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	EUROPE	REFRIGERATED CA	2%	1%	0%	35%	0%	0%	62%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	EUROPE	SOYBEANS & OILS	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	EUROPE	TOTAL	6%	68%	1%	20%	1%	0%	3%	0%	0%	0%	0%	100.0%
OCEANIA	U.S. EAST COAST	COAL & COKE												
U.S. W.C., HAWAII	AFRICA	CONTAINERIZED C	41%	59%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	AFRICA	FERTILIZERS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	AFRICA	GENERAL CARGO	19%	74%	0%	0%	8%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	AFRICA	GRAINS	1%	91%	0%	0%	0%	0%	0%	0%	6%	0%	2%	100.0%
U.S. W.C., HAWAII	AFRICA	MINOR BULKS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	AFRICA	PETROLEUM PRODU	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100.0%
U.S. W.C., HAWAII	AFRICA	TOTAL	3%	90%	0%	0%	1%	0%	0%	0%	4%	0%	1%	100.0%
CANADA WEST COAST	U.S. EAST COAST	CHEMICALS	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	U.S. EAST COAST	CONTAINERIZED C	0%	17%	0%	0%	0%	0%	0%	0%	0%	0%	83%	100.0%
CANADA WEST COAST	U.S. EAST COAST	CRUDE OIL	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100.0%
CANADA WEST COAST	U.S. EAST COAST	GENERAL CARGO	9%	91%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%

ALLOCATION OF COMMODITIES TO SHIPS, 2060

ORIGIN	DESTINATION	COMMODITY GROUP	CB	CD	CT	F	G	LP	R	RR	T	V	OTHER	TOTAL
CANADA WEST COAST	U.S. EAST COAST	MINOR BULKS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	U.S. EAST COAST	PETROLEUM PRODU	0%	0%	47%	0%	0%	0%	0%	0%	53%	0%	0%	100.0%
CANADA WEST COAST	U.S. EAST COAST	TOTAL	5%	53%	22%	0%	0%	0%	0%	0%	19%	0%	0%	100.0%
OCEANIA	CENTRAL AMERICA E.C.	CONTAINERIZED COMMODITIES												
CANADA WEST COAST	CENTRAL AMERICA E.C.	FERTILIZERS	0%	63%	0%	0%	37%	0%	0%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	CENTRAL AMERICA E.C.	GENERAL CARGO	0%	94%	0%	0%	5%	0%	0%	1%	0%	0%	0%	100.0%
CANADA WEST COAST	CENTRAL AMERICA E.C.	MINOR BULKS	0%	2%	0%	0%	98%	0%	0%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	CENTRAL AMERICA E.C.	TOTAL	0%	63%	0%	0%	37%	0%	0%	0%	0%	0%	0%	100.0%
OCEANIA	CENTRAL AMERICA E.C.	TOTAL												
CANADA WEST COAST	S. AMERICA E.C.	COAL & COKE	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	S. AMERICA E.C.	CONTAINERIZED C	38%	62%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	S. AMERICA E.C.	FERTILIZERS	0%	60%	0%	0%	40%	0%	0%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	S. AMERICA E.C.	GENERAL CARGO	61%	16%	0%	0%	23%	0%	0%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	S. AMERICA E.C.	GRAINS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	S. AMERICA E.C.	MINOR BULKS	24%	76%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	S. AMERICA E.C.	TOTAL	25%	68%	0%	0%	7%	0%	0%	0%	0%	0%	0%	100.0%
OCEANIA	EUROPE	CHEMICALS												
CANADA WEST COAST	EUROPE	CHEMICALS	0%	0%	95%	5%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	EUROPE	COAL & COKE	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	EUROPE	CONTAINERIZED C	7%	29%	0%	64%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	EUROPE	FERTILIZERS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	EUROPE	GENERAL CARGO	31%	66%	0%	3%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	EUROPE	GRAINS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	EUROPE	MINOR BULKS	1%	99%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	EUROPE	OILS & FATS	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	EUROPE	REFRIGERATED CA	1%	16%	0%	47%	0%	0%	37%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	EUROPE	VEHICLES	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	EUROPE	TOTAL	10%	86%	0%	3%	0%	0%	0%	0%	0%	0%	0%	100.0%
ASIA	U.S. EAST COAST	CONTAINERIZED COMMODITIES												
CANADA WEST COAST	AFRICA	GENERAL CARGO	8%	88%	0%	0%	0%	0%	4%	0%	0%	0%	0%	100.0%

ALLOCATION OF COMMODITIES TO SHIPS, 2060

ORIGIN	DESTINATION	COMMODITY GROUP	CB	CD	CT	F	G	LP	R	RR	T	V	OTHER	TOTAL
CANADA WEST COAST	AFRICA	GRAINS	34%	66%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	AFRICA	MINOR BULKS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	AFRICA	SOYBEANS & OILS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	AFRICA	TOTAL	3%	96%	0%	0%	0%	0%	1%	0%	0%	0%	0%	100.0%
ASIA	U.S. EAST COAST	REFRIGERATED CARGO												
CANADA WEST COAST	MIDDLE EAST	GENERAL CARGO	0%	49%	0%	0%	51%	0%	0%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	MIDDLE EAST	MINOR BULKS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	MIDDLE EAST	TOTAL	0%	99%	0%	0%	1%	0%	0%	0%	0%	0%	0%	100.0%
ASIA	CANADA EAST COAST	BAUXITE & ALUMINA												
C. AMERICA W.C.	U.S. EAST COAST	CHEMICALS	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
C. AMERICA W.C.	U.S. EAST COAST	CONTAINERIZED C	17%	0%	0%	80%	2%	0%	0%	0%	0%	0%	1%	100.0%
C. AMERICA W.C.	U.S. EAST COAST	GENERAL CARGO	53%	15%	0%	0%	30%	0%	0%	2%	0%	0%	0%	100.0%
C. AMERICA W.C.	U.S. EAST COAST	IRON ORE & CONC	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
C. AMERICA W.C.	U.S. EAST COAST	MINOR BULKS	0%	83%	10%	0%	3%	0%	0%	0%	4%	0%	0%	100.0%
C. AMERICA W.C.	U.S. EAST COAST	OILS & FATS	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
C. AMERICA W.C.	U.S. EAST COAST	PETROLEUM PRODU	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100.0%
C. AMERICA W.C.	U.S. EAST COAST	REFRIGERATED CA	0%	0%	0%	34%	0%	0%	66%	0%	0%	0%	0%	100.0%
C. AMERICA W.C.	U.S. EAST COAST	VEHICLES	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100.0%
C. AMERICA W.C.	U.S. EAST COAST	TOTAL	1%	75%	17%	0%	3%	0%	0%	0%	4%	0%	0%	100.0%
ASIA	CENTRAL AMERICA E.C.	CONTAINERIZED COMMODITIES												
C. AMERICA W.C.	CENTRAL AMERICA E.C.	CHEMICALS	0%	1%	99%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
C. AMERICA W.C.	CENTRAL AMERICA E.C.	CONTAINERIZED C	79%	5%	0%	7%	9%	0%	0%	0%	0%	0%	0%	100.0%
C. AMERICA W.C.	CENTRAL AMERICA E.C.	FERTILIZERS	10%	87%	0%	0%	0%	3%	0%	0%	0%	0%	0%	100.0%
C. AMERICA W.C.	CENTRAL AMERICA E.C.	GENERAL CARGO	0%	63%	0%	0%	37%	0%	0%	0%	0%	0%	0%	100.0%
C. AMERICA W.C.	CENTRAL AMERICA E.C.	GRAINS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
C. AMERICA W.C.	CENTRAL AMERICA E.C.	MINOR BULKS	0%	53%	22%	0%	18%	0%	2%	0%	5%	0%	0%	100.0%
C. AMERICA W.C.	CENTRAL AMERICA E.C.	OILS & FATS	0%	0%	67%	0%	0%	0%	0%	0%	33%	0%	0%	100.0%
C. AMERICA W.C.	CENTRAL AMERICA E.C.	PETROLEUM PRODU	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100.0%
C. AMERICA W.C.	CENTRAL AMERICA E.C.	REFRIGERATED CA	0%	0%	0%	0%	0%	0%	49%	0%	0%	0%	50%	100.0%
C. AMERICA W.C.	CENTRAL AMERICA E.C.	SOYBEANS & OILS	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	100.0%
C. AMERICA W.C.	CENTRAL AMERICA E.C.	VEHICLES	0%	44%	0%	0%	1%	0%	0%	0%	0%	55%	0%	100.0%
C. AMERICA W.C.	CENTRAL AMERICA E.C.	TOTAL	7%	56%	8%	0%	6%	1%	7%	0%	7%	0%	7%	100.0%

ALLOCATION OF COMMODITIES TO SHIPS, 2060

ORIGIN	DESTINATION	COMMODITY GROUP	CB	CD	CT	F	G	LP	R	RR	T	V	OTHER	TOTAL
ASIA	S. AMERICA E.C.	CHEMICALS												
C. AMERICA W.C.	S. AMERICA E.C.	CHEMICALS	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
C. AMERICA W.C.	S. AMERICA E.C.	CONTAINERIZED C	24%	19%	0%	44%	11%	0%	0%	3%	0%	0%	0%	100.0%
C. AMERICA W.C.	S. AMERICA E.C.	FERTILIZERS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
C. AMERICA W.C.	S. AMERICA E.C.	GENERAL CARGO	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
C. AMERICA W.C.	S. AMERICA E.C.	MINOR BULKS	0%	71%	0%	0%	29%	0%	0%	0%	0%	0%	0%	100.0%
C. AMERICA W.C.	S. AMERICA E.C.	PETROLEUM PRODU	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100.0%
C. AMERICA W.C.	S. AMERICA E.C.	REFRIGERATED CA	0%	0%	0%	0%	0%	0%	3%	0%	0%	0%	97%	100.0%
C. AMERICA W.C.	S. AMERICA E.C.	TOTAL	1%	39%	5%	1%	14%	0%	1%	0%	2%	0%	37%	100.0%
C. AMERICA W.C.	EUROPE	CONTAINERIZED C	23%	28%	0%	26%	11%	0%	2%	11%	0%	0%	0%	100.0%
C. AMERICA W.C.	EUROPE	GENERAL CARGO	39%	0%	0%	1%	33%	0%	4%	23%	0%	0%	0%	100.0%
C. AMERICA W.C.	EUROPE	MINOR BULKS	0%	67%	17%	0%	5%	0%	0%	0%	11%	0%	0%	100.0%
C. AMERICA W.C.	EUROPE	OILS & FATS	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
C. AMERICA W.C.	EUROPE	REFRIGERATED CA	0%	0%	0%	0%	0%	0%	99%	0%	0%	0%	0%	100.0%
C. AMERICA W.C.	EUROPE	SOYBEANS & OILS	62%	0%	0%	0%	38%	0%	0%	0%	0%	0%	0%	100.0%
C. AMERICA W.C.	EUROPE	VEHICLES	10%	0%	0%	0%	55%	0%	0%	35%	0%	0%	0%	100.0%
C. AMERICA W.C.	EUROPE	TOTAL	8%	20%	5%	1%	7%	0%	51%	4%	3%	0%	0%	100.0%
ASIA	EUROPE	VEHICLES												
C. AMERICA W.C.	AFRICA	CONTAINERIZED C	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
C. AMERICA W.C.	AFRICA	GENERAL CARGO	96%	0%	0%	0%	3%	0%	0%	0%	0%	0%	0%	100.0%
C. AMERICA W.C.	AFRICA	MINOR BULKS	30%	17%	0%	0%	53%	0%	0%	0%	0%	0%	0%	100.0%
C. AMERICA W.C.	AFRICA	REFRIGERATED CA	0%	0%	0%	0%	0%	0%	94%	0%	0%	0%	6%	100.0%
C. AMERICA W.C.	AFRICA	TOTAL	34%	17%	0%	0%	48%	0%	1%	0%	0%	0%	0%	100.0%
ASIA	AFRICA	REFRIGERATED CARGO												
S. AMERICA W.C.	U.S. EAST COAST	CHEMICALS	0%	0%	28%	0%	0%	0%	0%	0%	72%	0%	0%	100.0%
S. AMERICA W.C.	U.S. EAST COAST	CONTAINERIZED C	52%	1%	0%	44%	-0%	0%	3%	0%	0%	0%	0%	100.0%
S. AMERICA W.C.	U.S. EAST COAST	CRUDE OIL	0%	0%	0%	0%	0%	10%	0%	0%	90%	0%	0%	100.0%
S. AMERICA W.C.	U.S. EAST COAST	FERTILIZERS	0%	69%	0%	0%	31%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA W.C.	U.S. EAST COAST	GENERAL CARGO	77%	2%	0%	0%	17%	0%	3%	1%	0%	0%	0%	100.0%
S. AMERICA W.C.	U.S. EAST COAST	IRON ORE & CONC	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%

ALLOCATION OF COMMODITIES TO SHIPS, 2060

ORIGIN	DESTINATION	COMMODITY GROUP	CB	CD	CT	F	G	LP	R	RR	T	V	OTHER	TOTAL
S. AMERICA W.C.	U.S. EAST COAST	MINOR BULKS	3%	91%	2%	0%	4%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA W.C.	U.S. EAST COAST	OILS & FATS	8%	0%	36%	0%	3%	0%	0%	0%	53%	0%	0%	100.0%
S. AMERICA W.C.	U.S. EAST COAST	PETROLEUM PRODU	0%	0%	0%	0%	0%	10%	0%	0%	90%	0%	0%	100.0%
S. AMERICA W.C.	U.S. EAST COAST	REFRIGERATED CA	1%	0%	0%	2%	1%	0%	95%	0%	0%	0%	0%	100.0%
S. AMERICA W.C.	U.S. EAST COAST	SOYBEANS & OILS	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA W.C.	U.S. EAST COAST	VEHICLES	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA W.C.	U.S. EAST COAST	TOTAL	8%	21%	1%	2%	4%	5%	14%	1%	43%	0%	0%	100.0%
C. AMERICA W.C.	MIDDLE EAST	TOTAL												
CANADA WEST COAST	ASIA	GENERAL CARGO	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	100.0%
CANADA WEST COAST	ASIA	TOTAL	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	100.0%
OCEANIA	AFRICA	GENERAL CARGO	32%	36%	0%	0%	32%	0%	0%	0%	0%	0%	0%	100.0%
OCEANIA	AFRICA	TOTAL	32%	36%	0%	0%	32%	0%	0%	0%	0%	0%	0%	100.0%
OCEANIA	MIDDLE EAST	CONTAINERIZED C	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
OCEANIA	MIDDLE EAST	REFRIGERATED CA	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
OCEANIA	MIDDLE EAST	TOTAL	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA W.C.	MIDDLE EAST	MINOR BULKS	0%	18%	0%	0%	82%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA W.C.	MIDDLE EAST	REFRIGERATED CA	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	100.0%
S. AMERICA W.C.	MIDDLE EAST	TOTAL	0%	11%	0%	0%	51%	0%	38%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	ASIA	GENERAL CARGO	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	ASIA	TOTAL	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	MIDDLE EAST	CHEMICALS	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	MIDDLE EAST	CONTAINERIZED C	1%	0%	0%	99%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	MIDDLE EAST	FERTILIZERS	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	MIDDLE EAST	REFRIGERATED CA	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. W.C., HAWAII	MIDDLE EAST	TOTAL	1%	0%	6%	93%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	U.S. W.C., HAWAII	CHEMICALS	0%	0%	83%	0%	0%	0%	0%	0%	17%	0%	0%	100.0%
U.S. EAST COAST	U.S. W.C., HAWAII	CONTAINERIZED C	1%	0%	0%	99%	0%	0%	0%	0%	0%	0%	0%	100.0%

ALLOCATION OF COMMODITIES TO SHIPS, 2060

ORIGIN	DESTINATION	COMMODITY GROUP	CB	CD	CT	F	G	LP	R	RR	T	V	OTHER	TOTAL
U.S. EAST COAST	U.S. W.C., HAWAII	CRUDE OIL	0%	0%	0%	0%	0%	50%	0%	0%	50%	0%	0%	100.0%
U.S. EAST COAST	U.S. W.C., HAWAII	GENERAL CARGO	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100.0%
U.S. EAST COAST	U.S. W.C., HAWAII	MINOR BULKS	0%	43%	0%	0%	0%	0%	0%	0%	0%	0%	57%	100.0%
U.S. EAST COAST	U.S. W.C., HAWAII	PETROLEUM PRODU	0%	0%	5%	0%	0%	0%	0%	0%	95%	0%	0%	100.0%
U.S. EAST COAST	U.S. W.C., HAWAII	REFRIGERATED CA	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	U.S. W.C., HAWAII	VEHICLES	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100.0%
U.S. EAST COAST	U.S. W.C., HAWAII	TOTAL	0%	0%	37%	2%	0%	3%	0%	0%	56%	0%	2%	100.0%
U.S. EAST COAST	CANADA WEST COAST	CHEMICALS	0%	0%	89%	0%	0%	0%	0%	0%	11%	0%	0%	100.0%
U.S. EAST COAST	CANADA WEST COAST	FERTILIZERS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	CANADA WEST COAST	TOTAL	0%	78%	20%	0%	0%	0%	0%	0%	2%	0%	0%	100.0%
U.S. EAST COAST	C. AMERICA W.C.	CHEMICALS	0%	3%	97%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	C. AMERICA W.C.	CONTAINERIZED C	32%	0%	0%	67%	0%	0%	0%	0%	0%	0%	1%	100.0%
U.S. EAST COAST	C. AMERICA W.C.	FERTILIZERS	1%	93%	0%	0%	6%	0%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	C. AMERICA W.C.	GENERAL CARGO	47%	4%	0%	0%	45%	0%	1%	3%	0%	0%	0%	100.0%
U.S. EAST COAST	C. AMERICA W.C.	GRAINS	1%	81%	0%	0%	3%	0%	0%	0%	0%	0%	14%	100.0%
U.S. EAST COAST	C. AMERICA W.C.	LIQUIFIED PETRO	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	C. AMERICA W.C.	MINOR BULKS	8%	58%	0%	0%	0%	0%	34%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	C. AMERICA W.C.	OILS & FATS	0%	0%	56%	0%	4%	0%	0%	0%	30%	0%	10%	100.0%
U.S. EAST COAST	C. AMERICA W.C.	PETROLEUM PRODU	0%	0%	4%	0%	0%	6%	0%	0%	89%	0%	0%	100.0%
U.S. EAST COAST	C. AMERICA W.C.	REFRIGERATED CA	19%	0%	0%	81%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	C. AMERICA W.C.	SOYBEANS & OILS	1%	78%	3%	0%	13%	0%	0%	0%	0%	0%	5%	100.0%
U.S. EAST COAST	C. AMERICA W.C.	VEHICLES	96%	0%	0%	0%	3%	0%	1%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	C. AMERICA W.C.	TOTAL	2%	69%	2%	0%	4%	1%	1%	0%	13%	0%	6%	100.0%
U.S. EAST COAST	S. AMERICA W.C.	BAUXITE & ALUMI	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	S. AMERICA W.C.	CHEMICALS	0%	20%	78%	0%	0%	0%	2%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	S. AMERICA W.C.	COAL & COKE	7%	88%	0%	0%	5%	0%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	S. AMERICA W.C.	CONTAINERIZED C	52%	1%	0%	32%	3%	0%	12%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	S. AMERICA W.C.	CRUDE OIL	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	S. AMERICA W.C.	FERTILIZERS	6%	83%	0%	0%	9%	0%	2%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	S. AMERICA W.C.	GENERAL CARGO	54%	6%	0%	0%	34%	0%	2%	3%	0%	0%	0%	100.0%
U.S. EAST COAST	S. AMERICA W.C.	GRAINS	6%	78%	0%	0%	5%	0%	0%	0%	0%	0%	11%	100.0%
U.S. EAST COAST	S. AMERICA W.C.	IRON ORE & CONC	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%

ALLOCATION OF COMMODITIES TO SHIPS, 2060

ORIGIN	DESTINATION	COMMODITY GROUP	CB	CD	CT	F	G	LP	R	RR	T	V	OTHER	TOTAL
U.S. EAST COAST	S. AMERICA W.C.	LIQUIFIED PETRO	14%	0%	2%	0%	0%	83%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	S. AMERICA W.C.	MINOR BULKS	7%	26%	1%	0%	10%	0%	51%	0%	0%	0%	5%	100.0%
U.S. EAST COAST	S. AMERICA W.C.	OILS & FATS	13%	0%	83%	0%	4%	0%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	S. AMERICA W.C.	PETROLEUM PRODU	0%	0%	32%	0%	0%	0%	0%	0%	68%	0%	0%	100.0%
U.S. EAST COAST	S. AMERICA W.C.	REFRIGERATED CA	30%	0%	0%	36%	8%	0%	1%	25%	0%	0%	0%	100.0%
U.S. EAST COAST	S. AMERICA W.C.	SOYBEANS & OILS	0%	72%	6%	0%	23%	0%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	S. AMERICA W.C.	VEHICLES	40%	3%	0%	1%	28%	0%	17%	12%	0%	0%	0%	100.0%
U.S. EAST COAST	S. AMERICA W.C.	TOTAL	17%	47%	8%	3%	10%	0%	6%	1%	4%	0%	4%	100.0%
U.S. EAST COAST	OCEANIA	BAUXITE & ALUMI	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	OCEANIA	CHEMICALS	0%	2%	79%	0%	0%	0%	0%	0%	19%	0%	0%	100.0%
U.S. EAST COAST	OCEANIA	COAL & COKE	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	OCEANIA	CONTAINERIZED C	9%	2%	0%	76%	2%	0%	0%	10%	0%	1%	0%	100.0%
U.S. EAST COAST	OCEANIA	FERTILIZERS	5%	95%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	OCEANIA	GENERAL CARGO	84%	0%	3%	3%	0%	0%	0%	10%	0%	0%	0%	100.0%
U.S. EAST COAST	OCEANIA	GRAINS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	OCEANIA	LIQUIFIED PETRO	0%	0%	40%	0%	0%	60%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	OCEANIA	MINOR BULKS	26%	71%	0%	0%	0%	0%	0%	2%	0%	0%	0%	100.0%
U.S. EAST COAST	OCEANIA	OILS & FATS	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	OCEANIA	PETROLEUM PRODU	0%	0%	24%	0%	0%	0%	0%	0%	76%	0%	0%	100.0%
U.S. EAST COAST	OCEANIA	REFRIGERATED CA	33%	0%	0%	61%	0%	0%	0%	6%	0%	0%	0%	100.0%
U.S. EAST COAST	OCEANIA	SOYBEANS & OILS	11%	89%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	OCEANIA	VEHICLES	0%	0%	0%	0%	0%	0%	0%	7%	0%	93%	0%	100.0%
U.S. EAST COAST	OCEANIA	TOTAL	7%	42%	22%	14%	1%	1%	0%	4%	10%	0%	0%	100.0%
U.S. EAST COAST	ASIA	BAUXITE & ALUMI	6%	83%	0%	5%	7%	0%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	ASIA	CHEMICALS	0%	0%	89%	0%	0%	0%	0%	0%	11%	0%	0%	100.0%
U.S. EAST COAST	ASIA	COAL & COKE	0%	99%	0%	0%	1%	0%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	ASIA	CONTAINERIZED C	3%	0%	0%	96%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	ASIA	CRUDE OIL	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100.0%
U.S. EAST COAST	ASIA	FERTILIZERS	9%	90%	0%	1%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	ASIA	GENERAL CARGO	66%	20%	2%	2%	9%	0%	0%	1%	0%	0%	0%	100.0%
U.S. EAST COAST	ASIA	GRAINS	1%	99%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	ASIA	LIQUIFIED PETRO	0%	0%	9%	0%	0%	91%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	ASIA	MINOR BULKS	2%	96%	0%	0%	0%	0%	0%	0%	0%	1%	0%	100.0%

ALLOCATION OF COMMODITIES TO SHIPS, 2060

ORIGIN	DESTINATION	COMMODITY GROUP	CB	CD	CT	F	G	LP	R	RR	T	V	OTHER	TOTAL
U.S. EAST COAST	ASIA	OILS & FATS	0%	0%	98%	0%	0%	0%	0%	0%	2%	0%	0%	100.0%
U.S. EAST COAST	ASIA	PETROLEUM PRODU	0%	0%	18%	0%	0%	0%	0%	0%	82%	0%	0%	100.0%
U.S. EAST COAST	ASIA	REFRIGERATED CA	0%	0%	0%	93%	0%	0%	0%	1%	0%	7%	0%	100.0%
U.S. EAST COAST	ASIA	SOYBEANS & OILS	1%	98%	0%	1%	0%	0%	0%	0%	0%	0%	0%	100.0%
U.S. EAST COAST	ASIA	VEHICLES	15%	0%	0%	7%	0%	0%	0%	7%	0%	72%	0%	100.9%
U.S. EAST COAST	ASIA	TOTAL	3%	73%	7%	12%	1%	1%	0%	0%	3%	0%	0%	100.0%
CANADA EAST COAST	U.S. W.C., HAWAII	CONTAINERIZED C	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA EAST COAST	U.S. W.C., HAWAII	REFRIGERATED CA	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA EAST COAST	U.S. W.C., HAWAII	TOTAL	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA EAST COAST	C. AMERICA W.C.	CONTAINERIZED C	64%	0%	0%	0%	0%	0%	36%	0%	0%	0%	0%	100.0%
CANADA EAST COAST	C. AMERICA W.C.	GENERAL CARGO	34%	0%	0%	0%	62%	0%	4%	0%	0%	0%	0%	100.0%
CANADA EAST COAST	C. AMERICA W.C.	GRAINS	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	100.0%
CANADA EAST COAST	C. AMERICA W.C.	MINOR BULKS	38%	0%	0%	0%	0%	0%	62%	0%	0%	0%	0%	100.0%
CANADA EAST COAST	C. AMERICA W.C.	OILS & FATS	11%	0%	0%	0%	89%	0%	0%	0%	0%	0%	0%	100.0%
CANADA EAST COAST	C. AMERICA W.C.	REFRIGERATED CA	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	100.0%
CANADA EAST COAST	C. AMERICA W.C.	TOTAL	20%	0%	0%	0%	50%	0%	29%	0%	0%	0%	0%	100.0%
CANADA EAST COAST	S. AMERICA W.C.	COAL & COKE	19%	81%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA EAST COAST	S. AMERICA W.C.	CONTAINERIZED C	12%	0%	0%	0%	88%	0%	0%	0%	0%	0%	0%	100.0%
CANADA EAST COAST	S. AMERICA W.C.	FERTILIZERS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA EAST COAST	S. AMERICA W.C.	GENERAL CARGO	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	100.0%
CANADA EAST COAST	S. AMERICA W.C.	GRAINS	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	100.0%
CANADA EAST COAST	S. AMERICA W.C.	MINOR BULKS	10%	0%	0%	0%	57%	0%	0%	0%	0%	0%	33%	100.0%
CANADA EAST COAST	S. AMERICA W.C.	OILS & FATS	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	100.0%
CANADA EAST COAST	S. AMERICA W.C.	VEHICLES	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA EAST COAST	S. AMERICA W.C.	TOTAL	11%	72%	0%	0%	14%	0%	0%	0%	0%	0%	2%	100.0%
CANADA EAST COAST	OCEANIA	CONTAINERIZED C	7%	3%	0%	72%	2%	0%	0%	16%	0%	0%	0%	100.0%
CANADA EAST COAST	OCEANIA	FERTILIZERS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA EAST COAST	OCEANIA	GENERAL CARGO	0%	0%	0%	90%	0%	0%	0%	10%	0%	0%	0%	100.0%
CANADA EAST COAST	OCEANIA	MINOR BULKS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA EAST COAST	OCEANIA	REFRIGERATED CA	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA EAST COAST	OCEANIA	VEHICLES	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100.0%

ALLOCATION OF COMMODITIES TO SHIPS, 2060

ORIGIN	DESTINATION	COMMODITY GROUP	CB	CD	CT	F	G	LP	R	RR	T	V	OTHER	TOTAL
CANADA EAST COAST	OCEANIA	TOTAL	5%	24%	0%	57%	1%	0%	0%	12%	0%	0%	0%	100.0%
CANADA EAST COAST	ASIA	CONTAINERIZED C	1%	0%	0%	99%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA EAST COAST	ASIA	FERTILIZERS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA EAST COAST	ASIA	GENERAL CARGO	68%	26%	0%	0%	0%	0%	0%	6%	0%	0%	0%	100.0%
CANADA EAST COAST	ASIA	GRAINS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA EAST COAST	ASIA	MINOR BULKS	0%	99%	0%	0%	0%	0%	0%	1%	0%	0%	0%	100.0%
CANADA EAST COAST	ASIA	PETROLEUM PRODU	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100.0%
CANADA EAST COAST	ASIA	REFRIGERATED CA	0%	0%	0%	18%	0%	0%	71%	0%	0%	0%	12%	100.0%
CANADA EAST COAST	ASIA	SOYBEANS & OILS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CANADA EAST COAST	ASIA	VEHICLES	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	100.0%
CANADA EAST COAST	ASIA	TOTAL	7%	68%	0%	13%	0%	0%	2%	1%	8%	0%	0%	100.0%
CENTRAL AMERICA	E.C.U.S. W.C., HAWAII	BAUXITE & ALUMI	20%	80%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CENTRAL AMERICA	E.C.U.S. W.C., HAWAII	CHEMICALS	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CENTRAL AMERICA	E.C.U.S. W.C., HAWAII	CONTAINERIZED C	52%	0%	0%	48%	0%	0%	0%	0%	0%	0%	0%	100.0%
CENTRAL AMERICA	E.C.U.S. W.C., HAWAII	CRUDE OIL	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100.0%
CENTRAL AMERICA	E.C.U.S. W.C., HAWAII	GENERAL CARGO	33%	21%	0%	0%	45%	0%	0%	0%	0%	0%	2%	100.0%
CENTRAL AMERICA	E.C.U.S. W.C., HAWAII	LIQUIFIED PETRO	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	100.0%
CENTRAL AMERICA	E.C.U.S. W.C., HAWAII	MINOR BULKS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CENTRAL AMERICA	E.C.U.S. W.C., HAWAII	PETROLEUM PRODU	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100.0%
CENTRAL AMERICA	E.C.U.S. W.C., HAWAII	REFRIGERATED CA	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CENTRAL AMERICA	E.C.U.S. W.C., HAWAII	TOTAL	4%	12%	0%	1%	1%	1%	0%	0%	81%	0%	0%	100.0%
CENTRAL AMERICA	E.C.C. AMERICA W.C.	CHEMICALS	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CENTRAL AMERICA	E.C.C. AMERICA W.C.	CONTAINERIZED C	51%	38%	0%	2%	8%	0%	1%	0%	0%	0%	0%	100.0%
CENTRAL AMERICA	E.C.C. AMERICA W.C.	CRUDE OIL	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100.0%
CENTRAL AMERICA	E.C.C. AMERICA W.C.	FERTILIZERS	0%	89%	0%	0%	5%	7%	0%	0%	0%	0%	0%	100.0%
CENTRAL AMERICA	E.C.C. AMERICA W.C.	GENERAL CARGO	0%	0%	0%	0%	78%	0%	17%	1%	0%	0%	3%	100.0%
CENTRAL AMERICA	E.C.C. AMERICA W.C.	LIQUIFIED PETRO	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	100.0%
CENTRAL AMERICA	E.C.C. AMERICA W.C.	MINOR BULKS	0%	3%	0%	3%	48%	0%	2%	0%	0%	0%	45%	100.0%
CENTRAL AMERICA	E.C.C. AMERICA W.C.	OILS & FATS	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100.0%
CENTRAL AMERICA	E.C.C. AMERICA W.C.	PETROLEUM PRODU	0%	0%	14%	0%	0%	0%	0%	0%	86%	0%	0%	100.0%
CENTRAL AMERICA	E.C.C. AMERICA W.C.	REFRIGERATED CA	0%	0%	0%	13%	0%	0%	0%	0%	0%	0%	87%	100.0%
CENTRAL AMERICA	E.C.C. AMERICA W.C.	VEHICLES	3%	0%	0%	0%	16%	0%	0%	19%	0%	62%	0%	100.0%

ALLOCATION OF COMMODITIES TO SHIPS, 2060

ORIGIN	DESTINATION	COMMODITY GROUP	CB	CD	CT	F	G	LP	R	RR	T	V	OTHER	TOTAL
CENTRAL AMERICA E.C.C.	AMERICA W.C.	TOTAL	1%	21%	3%	0%	3%	20%	0%	0%	50%	0%	1%	100.0%
CENTRAL AMERICA E.C.S.	AMERICA W.C.	CHEMICALS	2%	0%	98%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CENTRAL AMERICA E.C.S.	AMERICA W.C.	CONTAINERIZED C	42%	1%	0%	3%	9%	0%	8%	38%	0%	0%	0%	100.0%
CENTRAL AMERICA E.C.S.	AMERICA W.C.	CRUDE OIL	0%	0%	0%	0%	0%	50%	0%	0%	50%	0%	0%	100.0%
CENTRAL AMERICA E.C.S.	AMERICA W.C.	FERTILIZERS	2%	65%	0%	0%	34%	0%	0%	0%	0%	0%	0%	100.0%
CENTRAL AMERICA E.C.S.	AMERICA W.C.	GENERAL CARGO	35%	12%	0%	0%	47%	0%	4%	1%	0%	0%	0%	100.0%
CENTRAL AMERICA E.C.S.	AMERICA W.C.	LIQUIFIED PETRO	0%	0%	0%	0%	0%	79%	0%	0%	0%	0%	21%	100.0%
CENTRAL AMERICA E.C.S.	AMERICA W.C.	MINOR BULKS	12%	63%	0%	0%	18%	0%	7%	0%	0%	0%	0%	100.0%
CENTRAL AMERICA E.C.S.	AMERICA W.C.	PETROLEUM PRODU	0%	0%	20%	0%	0%	0%	0%	0%	80%	0%	0%	100.0%
CENTRAL AMERICA E.C.S.	AMERICA W.C.	REFRIGERATED CA	0%	0%	0%	0%	0%	0%	98%	0%	0%	0%	1%	100.0%
CENTRAL AMERICA E.C.S.	AMERICA W.C.	VEHICLES	3%	0%	0%	0%	0%	0%	47%	51%	0%	0%	0%	100.0%
CENTRAL AMERICA E.C.S.	AMERICA W.C.	TOTAL	6%	13%	10%	0%	9%	11%	2%	3%	45%	0%	1%	100.0%
CENTRAL AMERICA E.C.OCEANIA		CONTAINERIZED C	0%	0%	0%	28%	0%	0%	0%	72%	0%	0%	0%	100.0%
CENTRAL AMERICA E.C.OCEANIA		GENERAL CARGO	66%	0%	0%	0%	34%	0%	0%	0%	0%	0%	0%	100.0%
CENTRAL AMERICA E.C.OCEANIA		MINOR BULKS	40%	58%	0%	0%	2%	0%	0%	0%	0%	0%	0%	100.0%
CENTRAL AMERICA E.C.OCEANIA		VEHICLES	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	100.0%
CENTRAL AMERICA E.C.OCEANIA		TOTAL	39%	31%	0%	5%	10%	0%	0%	14%	0%	1%	0%	100.0%
CENTRAL AMERICA E.C.ASIA		CHEMICALS	0%	3%	57%	0%	0%	9%	0%	0%	30%	0%	0%	100.0%
CENTRAL AMERICA E.C.ASIA		CONTAINERIZED C	4%	0%	0%	96%	0%	0%	0%	0%	0%	0%	0%	100.0%
CENTRAL AMERICA E.C.ASIA		FERTILIZERS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CENTRAL AMERICA E.C.ASIA		GENERAL CARGO	33%	32%	0%	0%	35%	0%	0%	0%	0%	0%	0%	100.0%
CENTRAL AMERICA E.C.ASIA		LIQUIFIED PETRO	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	100.0%
CENTRAL AMERICA E.C.ASIA		MINOR BULKS	13%	50%	0%	0%	37%	0%	0%	0%	0%	0%	0%	100.0%
CENTRAL AMERICA E.C.ASIA		OILS & FATS	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CENTRAL AMERICA E.C.ASIA		PETROLEUM PRODU	0%	0%	21%	0%	0%	0%	0%	0%	79%	0%	0%	100.0%
CENTRAL AMERICA E.C.ASIA		REFRIGERATED CA	1%	0%	0%	0%	8%	0%	85%	0%	0%	0%	6%	100.0%
CENTRAL AMERICA E.C.ASIA		TOTAL	10%	40%	7%	7%	24%	4%	1%	0%	7%	0%	0%	100.0%
S. AMERICA E.C.	U.S. W.C., HAWAII	BAUXITE & ALUMI	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	U.S. W.C., HAWAII	CONTAINERIZED C	87%	6%	0%	4%	3%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	U.S. W.C., HAWAII	CRUDE OIL	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100.0%
S. AMERICA E.C.	U.S. W.C., HAWAII	GENERAL CARGO	93%	0%	0%	0%	6%	0%	0%	0%	0%	0%	0%	100.0%

ALLOCATION OF COMMODITIES TO SHIPS, 2060

ORIGIN	DESTINATION	COMMODITY GROUP	CB	CD	CT	F	G	LP	R	RR	T	V	OTHER	TOTAL
S. AMERICA E.C.	U.S. W.C., HAWAII	IRON ORE & CONC	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	U.S. W.C., HAWAII	MINOR BULKS	8%	89%	0%	0%	1%	0%	0%	0%	0%	0%	3%	100.0%
S. AMERICA E.C.	U.S. W.C., HAWAII	OILS & FATS	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100.0%
S. AMERICA E.C.	U.S. W.C., HAWAII	PETROLEUM PRODU	0%	0%	5%	0%	0%	7%	0%	0%	87%	0%	0%	100.0%
S. AMERICA E.C.	U.S. W.C., HAWAII	REFRIGERATED CA	94%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	U.S. W.C., HAWAII	VEHICLES	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	U.S. W.C., HAWAII	TOTAL	10%	42%	2%	0%	1%	2%	0%	0%	42%	0%	1%	100.0%
S. AMERICA E.C.	CANADA WEST COAST	BAUXITE & ALUMI	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	CANADA WEST COAST	CONTAINERIZED C	93%	7%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	CANADA WEST COAST	GENERAL CARGO	96%	3%	0%	0%	1%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	CANADA WEST COAST	MINOR BULKS	32%	68%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	CANADA WEST COAST	REFRIGERATED CA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100.0%
S. AMERICA E.C.	CANADA WEST COAST	TOTAL	56%	44%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	C. AMERICA W.C.	CONTAINERIZED C	91%	0%	0%	9%	0%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	C. AMERICA W.C.	CRUDE OIL	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100.0%
S. AMERICA E.C.	C. AMERICA W.C.	FERTILIZERS	0%	42%	0%	0%	0%	58%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	C. AMERICA W.C.	GENERAL CARGO	15%	83%	0%	0%	2%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	C. AMERICA W.C.	LIQUIFIED PETRO	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	C. AMERICA W.C.	MINOR BULKS	20%	45%	0%	0%	35%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	C. AMERICA W.C.	OILS & FATS	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	C. AMERICA W.C.	PETROLEUM PRODU	0%	0%	1%	0%	0%	9%	0%	0%	90%	0%	0%	100.0%
S. AMERICA E.C.	C. AMERICA W.C.	REFRIGERATED CA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100.0%
S. AMERICA E.C.	C. AMERICA W.C.	VEHICLES	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	C. AMERICA W.C.	TOTAL	4%	7%	1%	0%	4%	3%	0%	0%	80%	0%	0%	100.0%
S. AMERICA E.C.	S. AMERICA W.C.	BAUXITE & ALUMI	0%	62%	0%	0%	38%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	S. AMERICA W.C.	CHEMICALS	7%	0%	89%	0%	3%	0%	0%	0%	1%	0%	0%	100.0%
S. AMERICA E.C.	S. AMERICA W.C.	COAL & COKE	11%	72%	0%	0%	16%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	S. AMERICA W.C.	CONTAINERIZED C	60%	3%	0%	25%	12%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	S. AMERICA W.C.	CRUDE OIL	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100.0%
S. AMERICA E.C.	S. AMERICA W.C.	FERTILIZERS	2%	52%	0%	0%	13%	34%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	S. AMERICA W.C.	GENERAL CARGO	51%	12%	0%	0%	37%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	S. AMERICA W.C.	LIQUIFIED PETRO	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	100.0%

ALLOCATION OF COMMODITIES TO SHIPS, 2060

ORIGIN	DESTINATION	COMMODITY GROUP	CB	CD	CT	F	G	LP	R	RR	T	V	OTHER	TOTAL
S. AMERICA E.C.	S. AMERICA W.C.	MINOR BULKS	17%	51%	0%	0%	31%	0%	1%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	S. AMERICA W.C.	OILS & FATS	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	S. AMERICA W.C.	PETROLEUM PRODU	0%	0%	21%	0%	0%	6%	0%	0%	73%	0%	0%	100.0%
S. AMERICA E.C.	S. AMERICA W.C.	REFRIGERATED CA	0%	0%	0%	0%	0%	0%	95%	0%	0%	0%	5%	100.0%
S. AMERICA E.C.	S. AMERICA W.C.	SOYBEANS & OILS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	S. AMERICA W.C.	VEHICLES	35%	5%	0%	0%	44%	0%	16%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	S. AMERICA W.C.	TOTAL	7%	15%	4%	1%	7%	14%	0%	0%	53%	0%	0%	100.0%
S. AMERICA E.C.	OCEANIA	BAUXITE & ALUMI	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	OCEANIA	CONTAINERIZED C	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	OCEANIA	GENERAL CARGO	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	OCEANIA	TOTAL	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	ASIA	BAUXITE & ALUMI	82%	18%	0%	0%	1%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	ASIA	CHEMICALS	6%	0%	0%	0%	0%	94%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	ASIA	COAL & COKE	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	ASIA	CONTAINERIZED C	32%	24%	0%	45%	0%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	ASIA	FERTILIZERS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	ASIA	GENERAL CARGO	53%	13%	0%	2%	31%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	ASIA	GRAINS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	ASIA	IRON ORE & CONC	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	ASIA	LIQUIFIED PETRO	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	ASIA	MINOR BULKS	8%	89%	0%	0%	3%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	ASIA	PETROLEUM PRODU	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100.0%
S. AMERICA E.C.	ASIA	REFRIGERATED CA	8%	2%	0%	5%	0%	0%	43%	0%	0%	0%	41%	100.0%
S. AMERICA E.C.	ASIA	SOYBEANS & OILS	5%	95%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
S. AMERICA E.C.	ASIA	TOTAL	24%	51%	0%	2%	11%	1%	1%	0%	9%	0%	1%	100.0%
EUROPE	U.S. W.C., HAWAII	BAUXITE & ALUMI	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
EUROPE	U.S. W.C., HAWAII	CHEMICALS	0%	8%	92%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
EUROPE	U.S. W.C., HAWAII	CONTAINERIZED C	3%	18%	0%	79%	0%	0%	0%	0%	0%	0%	0%	100.0%
EUROPE	U.S. W.C., HAWAII	FERTILIZERS	22%	54%	18%	0%	0%	0%	0%	0%	6%	0%	0%	100.0%
EUROPE	U.S. W.C., HAWAII	GENERAL CARGO	28%	59%	0%	5%	0%	0%	1%	0%	0%	4%	3%	100.0%
EUROPE	U.S. W.C., HAWAII	MINOR BULKS	14%	85%	0%	0%	1%	0%	0%	0%	0%	0%	0%	100.0%
EUROPE	U.S. W.C., HAWAII	OILS & FATS	0%	1%	99%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%

ALLOCATION OF COMMODITIES TO SHIPS, 2060

ORIGIN	DESTINATION	COMMODITY GROUP	CB	CD	CT	F	G	LP	R	RR	T	V	OTHER	TOTAL
EUROPE	U.S. W.C., HAWAII	PETROLEUM PRODU	0%	0%	8%	0%	0%	0%	0%	0%	92%	0%	0%	100.0%
EUROPE	U.S. W.C., HAWAII	REFRIGERATED CA	3%	1%	0%	96%	0%	0%	0%	0%	0%	0%	0%	100.0%
EUROPE	U.S. W.C., HAWAII	SOYBEANS & OILS	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
EUROPE	U.S. W.C., HAWAII	VEHICLES	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	100.0%
EUROPE	U.S. W.C., HAWAII	TOTAL	8%	35%	3%	38%	0%	0%	0%	0%	10%	5%	0%	100.0%
EUROPE	CANADA WEST COAST	CHEMICALS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
EUROPE	CANADA WEST COAST	CONTAINERIZED C	5%	22%	0%	73%	0%	0%	0%	0%	0%	0%	0%	100.0%
EUROPE	CANADA WEST COAST	FERTILIZERS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
EUROPE	CANADA WEST COAST	GENERAL CARGO	55%	40%	0%	1%	0%	0%	0%	0%	0%	3%	1%	100.0%
EUROPE	CANADA WEST COAST	MINOR BULKS	14%	80%	0%	0%	5%	0%	0%	0%	0%	0%	0%	100.0%
EUROPE	CANADA WEST COAST	PETROLEUM PRODU	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	100.0%
EUROPE	CANADA WEST COAST	REFRIGERATED CA	8%	2%	0%	90%	0%	0%	0%	0%	0%	0%	0%	100.0%
EUROPE	CANADA WEST COAST	VEHICLES	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	100.0%
EUROPE	CANADA WEST COAST	TOTAL	16%	48%	0%	31%	2%	0%	0%	0%	0%	3%	0%	100.0%
EUROPE	C. AMERICA W.C.	CHEMICALS	2%	0%	42%	0%	3%	0%	2%	2%	48%	0%	0%	100.0%
EUROPE	C. AMERICA W.C.	CONTAINERIZED C	41%	0%	0%	1%	24%	0%	4%	29%	0%	0%	0%	100.0%
EUROPE	C. AMERICA W.C.	FERTILIZERS	2%	86%	0%	0%	11%	0%	1%	1%	0%	0%	0%	100.0%
EUROPE	C. AMERICA W.C.	GENERAL CARGO	27%	1%	0%	0%	51%	0%	2%	19%	0%	0%	0%	100.0%
EUROPE	C. AMERICA W.C.	GRAINS	0%	17%	0%	0%	42%	0%	0%	40%	0%	0%	0%	100.0%
EUROPE	C. AMERICA W.C.	LIQUIFIED PETRO	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	100.0%
EUROPE	C. AMERICA W.C.	MINOR BULKS	6%	46%	0%	0%	34%	0%	1%	13%	0%	0%	0%	100.0%
EUROPE	C. AMERICA W.C.	OILS & FATS	32%	0%	47%	0%	21%	0%	0%	0%	0%	0%	0%	100.0%
EUROPE	C. AMERICA W.C.	PETROLEUM PRODU	0%	0%	15%	0%	0%	0%	0%	0%	84%	0%	0%	100.0%
EUROPE	C. AMERICA W.C.	REFRIGERATED CA	11%	0%	0%	0%	83%	0%	3%	3%	0%	0%	0%	100.0%
EUROPE	C. AMERICA W.C.	SOYBEANS & OILS	8%	92%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
EUROPE	C. AMERICA W.C.	VEHICLES	12%	0%	0%	0%	61%	0%	1%	26%	0%	0%	0%	100.0%
EUROPE	C. AMERICA W.C.	TOTAL	9%	56%	2%	0%	20%	0%	1%	8%	4%	0%	0%	100.0%
EUROPE	S. AMERICA W.C.	CHEMICALS	7%	0%	50%	0%	5%	0%	1%	0%	38%	0%	0%	100.0%
EUROPE	S. AMERICA W.C.	CONTAINERIZED C	21%	1%	0%	77%	0%	0%	1%	0%	0%	0%	0%	100.0%
EUROPE	S. AMERICA W.C.	FERTILIZERS	11%	61%	0%	0%	25%	0%	3%	0%	0%	0%	0%	100.0%
EUROPE	S. AMERICA W.C.	GENERAL CARGO	64%	0%	0%	2%	23%	0%	8%	0%	0%	0%	2%	100.0%
EUROPE	S. AMERICA W.C.	GRAINS	0%	30%	0%	0%	70%	0%	0%	0%	0%	0%	0%	100.0%

ALLOCATION OF COMMODITIES TO SHIPS, 2060

ORIGIN	DESTINATION	COMMODITY GROUP	CB	CD	CT	F	G	LP	R	RR	T	V	OTHER	TOTAL
EUROPE	S. AMERICA W.C.	LIQUIFIED PETRO	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	100.0%
EUROPE	S. AMERICA W.C.	MINOR BULKS	36%	1%	0%	0%	39%	0%	22%	0%	0%	0%	2%	100.0%
EUROPE	S. AMERICA W.C.	OILS & FATS	21%	0%	73%	0%	0%	0%	3%	0%	0%	0%	3%	100.0%
EUROPE	S. AMERICA W.C.	PETROLEUM PRODU	0%	0%	8%	0%	0%	0%	9%	0%	81%	0%	2%	100.0%
EUROPE	S. AMERICA W.C.	REFRIGERATED CA	9%	0%	0%	27%	1%	0%	61%	0%	0%	0%	2%	100.0%
EUROPE	S. AMERICA W.C.	VEHICLES	47%	0%	0%	1%	49%	0%	2%	0%	0%	0%	0%	100.0%
EUROPE	S. AMERICA W.C.	TOTAL	21%	12%	3%	22%	15%	1%	7%	0%	18%	0%	1%	100.0%
EUROPE	OCEANIA	CHEMICALS	1%	0%	87%	0%	1%	0%	0%	0%	12%	0%	0%	100.0%
EUROPE	OCEANIA	COAL & COKE	50%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
EUROPE	OCEANIA	CONTAINERIZED C	50%	2%	0%	10%	4%	0%	0%	34%	0%	0%	0%	100.0%
EUROPE	OCEANIA	FERTILIZERS	5%	85%	3%	0%	8%	0%	0%	0%	0%	0%	0%	100.0%
EUROPE	OCEANIA	GENERAL CARGO	48%	0%	0%	0%	27%	0%	0%	19%	0%	0%	5%	100.0%
EUROPE	OCEANIA	GRAINS	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	100.0%
EUROPE	OCEANIA	LIQUIFIED PETRO	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
EUROPE	OCEANIA	MINOR BULKS	35%	40%	0%	0%	16%	0%	0%	8%	0%	0%	0%	100.0%
EUROPE	OCEANIA	OILS & FATS	20%	0%	34%	0%	46%	0%	0%	0%	0%	0%	0%	100.0%
EUROPE	OCEANIA	PETROLEUM PRODU	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
EUROPE	OCEANIA	REFRIGERATED CA	17%	0%	0%	1%	11%	0%	0%	72%	0%	0%	0%	100.0%
EUROPE	OCEANIA	SOYBEANS & OILS	48%	0%	0%	0%	52%	0%	0%	0%	0%	0%	0%	100.0%
EUROPE	OCEANIA	VEHICLES	16%	0%	0%	0%	4%	0%	0%	58%	0%	22%	0%	100.0%
EUROPE	OCEANIA	TOTAL	36%	9%	12%	1%	12%	0%	0%	28%	1%	0%	1%	100.0%
EUROPE	ASIA	CHEMICALS	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
EUROPE	ASIA	CONTAINERIZED C	12%	0%	0%	81%	0%	0%	0%	7%	0%	0%	0%	100.0%
EUROPE	ASIA	FERTILIZERS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
EUROPE	ASIA	GENERAL CARGO	34%	0%	6%	0%	33%	0%	0%	2%	0%	1%	23%	100.0%
EUROPE	ASIA	MINOR BULKS	2%	98%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
EUROPE	ASIA	OILS & FATS	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
EUROPE	ASIA	PETROLEUM PRODU	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
EUROPE	ASIA	REFRIGERATED CA	0%	0%	0%	1%	0%	0%	97%	0%	0%	0%	2%	100.0%
EUROPE	ASIA	VEHICLES	0%	0%	0%	0%	0%	0%	0%	5%	0%	95%	0%	100.0%
EUROPE	ASIA	TOTAL	5%	17%	36%	13%	3%	0%	19%	1%	0%	2%	3%	100.0%
AFRICA	U.S. W.C., HAWAII	CONTAINERIZED C	74%	3%	0%	23%	0%	0%	0%	0%	0%	0%	0%	100.0%

ALLOCATION OF COMMODITIES TO SHIPS, 2060

ORIGIN	DESTINATION	COMMODITY GROUP	CB	CD	CT	F	G	LP	R	RR	T	V	OTHER	TOTAL
AFRICA	U.S. W.C., HAWAII	GENERAL CARGO	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
AFRICA	U.S. W.C., HAWAII	MINOR BULKS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
AFRICA	U.S. W.C., HAWAII	PETROLEUM PRODU	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100.0%
AFRICA	U.S. W.C., HAWAII	REFRIGERATED CA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100.0%
AFRICA	U.S. W.C., HAWAII	VEHICLES	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
AFRICA	U.S. W.C., HAWAII	TOTAL	3%	53%	0%	1%	0%	0%	0%	0%	43%	0%	0%	100.0%
			0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0.0%
AFRICA	CANADA WEST COAST	CONTAINERIZED C	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
AFRICA	CANADA WEST COAST	FERTILIZERS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
AFRICA	CANADA WEST COAST	GENERAL CARGO	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
AFRICA	CANADA WEST COAST	TOTAL	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
AFRICA	C. AMERICA W.C.	CONTAINERIZED C	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
AFRICA	C. AMERICA W.C.	FERTILIZERS	12%	88%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
AFRICA	C. AMERICA W.C.	GENERAL CARGO	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	100.0%
AFRICA	C. AMERICA W.C.	GRAINS	30%	0%	0%	0%	70%	0%	0%	0%	0%	0%	0%	100.0%
AFRICA	C. AMERICA W.C.	REFRIGERATED CA	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	100.0%
AFRICA	C. AMERICA W.C.	TOTAL	13%	83%	0%	0%	4%	0%	0%	0%	0%	0%	0%	100.0%
AFRICA	S. AMERICA W.C.	CHEMICALS	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
AFRICA	S. AMERICA W.C.	CONTAINERIZED C	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	100.0%
AFRICA	S. AMERICA W.C.	FERTILIZERS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
AFRICA	S. AMERICA W.C.	GENERAL CARGO	0%	0%	0%	0%	37%	0%	36%	0%	0%	0%	26%	100.0%
AFRICA	S. AMERICA W.C.	GRAINS	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	100.0%
AFRICA	S. AMERICA W.C.	MINOR BULKS	0%	0%	0%	0%	0%	0%	99%	0%	0%	0%	1%	100.0%
AFRICA	S. AMERICA W.C.	REFRIGERATED CA	0%	0%	0%	0%	0%	0%	65%	0%	0%	0%	35%	100.0%
AFRICA	S. AMERICA W.C.	TOTAL	0%	64%	14%	0%	17%	0%	5%	0%	0%	0%	0%	100.0%
AFRICA	OCEANIA	CONTAINERIZED C	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100.0%
AFRICA	OCEANIA	FERTILIZERS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
AFRICA	OCEANIA	GENERAL CARGO	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100.0%
AFRICA	OCEANIA	TOTAL	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
AFRICA	ASIA	CONTAINERIZED C	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100.0%
AFRICA	ASIA	GENERAL CARGO	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100.0%

ALLOCATION OF COMMODITIES TO SHIPS, 2060

ORIGIN	DESTINATION	COMMODITY GROUP	CB	CD	CT	F	G	LP	R	RR	T	V	OTHER	TOTAL
AFRICA	ASIA	MINOR BULKS	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100.0%
AFRICA	ASIA	REFRIGERATED CA	0%	0%	0%	0%	0%	0%	81%	0%	0%	0%	19%	100.0%
AFRICA	ASIA	TOTAL	0%	0%	0%	0%	0%	0%	81%	0%	0%	0%	19%	100.0%
MIDDLE EAST	U.S. W.C., HAWAII	CONTAINERIZED C	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	100.0%
MIDDLE EAST	U.S. W.C., HAWAII	GENERAL CARGO	0%	0%	0%	14%	86%	0%	0%	0%	0%	0%	0%	100.0%
MIDDLE EAST	U.S. W.C., HAWAII	PETROLEUM PRODU	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100.0%
MIDDLE EAST	U.S. W.C., HAWAII	REFRIGERATED CA	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	100.0%
MIDDLE EAST	U.S. W.C., HAWAII	TOTAL	0%	0%	0%	51%	3%	0%	0%	0%	46%	0%	0%	100.0%
ASIA	C. AMERICA W.C.	GENERAL CARGO	66%	0%	0%	0%	34%	0%	0%	0%	0%	0%	0%	100.0%
ASIA	C. AMERICA W.C.	TOTAL	66%	0%	0%	0%	34%	0%	0%	0%	0%	0%	0%	100.0%
CANADA EAST COAST	CANADA WEST COAST	GENERAL CARGO	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100.0%
CANADA EAST COAST	CANADA WEST COAST	TOTAL	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100.0%
CENTRAL AMERICA E.C.	CANADA WEST COAST	CONTAINERIZED C	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CENTRAL AMERICA E.C.	CANADA WEST COAST	GENERAL CARGO	43%	57%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CENTRAL AMERICA E.C.	CANADA WEST COAST	MINOR BULKS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
CENTRAL AMERICA E.C.	CANADA WEST COAST	TOTAL	32%	68%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
MIDDLE EAST	ASIA	CONTAINERIZED C	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	100.0%
MIDDLE EAST	ASIA	REFRIGERATED CA	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	100.0%
MIDDLE EAST	ASIA	TOTAL	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	100.0%
MIDDLE EAST	OCEANIA	CONTAINERIZED C	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100.0%
MIDDLE EAST	OCEANIA	MINOR BULKS	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100.0%
MIDDLE EAST	OCEANIA	REFRIGERATED CA	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100.0%
MIDDLE EAST	OCEANIA	TOTAL	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100.0%
MIDDLE EAST	S. AMERICA W.C.	CONTAINERIZED C	0%	0%	0%	86%	14%	0%	0%	0%	0%	0%	0%	100.0%
MIDDLE EAST	S. AMERICA W.C.	FERTILIZERS	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100.0%
MIDDLE EAST	S. AMERICA W.C.	GENERAL CARGO	0%	0%	0%	0%	23%	0%	77%	0%	0%	0%	0%	100.0%
MIDDLE EAST	S. AMERICA W.C.	VEHICLES	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	100.0%
MIDDLE EAST	S. AMERICA W.C.	TOTAL	0%	93%	0%	1%	3%	0%	3%	0%	0%	0%	0%	100.0%

APPENDIX A

STUDY DEFINITIONS

DEFINITIONS

The following tables (Tables A.1 and A.2) contain the country, U.S. coastal and commodity definitions available in the annual WEFA Short-Term Trade Analysis Forecasts. These forecasts are carried out once a year for a twenty-year time horizon. These definitions provide the basis from which all other definitions in the study were derived.

TABLE A.1

MASTER COUNTRY SCHEDULE FOR WEFA TRADE DATABASE

CODE	COUNTRY	CODE	COUNTRY
100	United States	497	Poland/East Germany
122	Canada	498	Eastern Europe NEC
201	Mexico	509	Near East NEC
299	Caribbean/Central America	517	Saudi Arabia
301	Colombia	519	Iran/Iraq/Kuwait
307	Venezuela	529	Arabian Gulf NEC
337	Chile	533	India
351	Brazil	535	Pakistan
357	Argentina	549	Thailand
397	Peru/Ecuador/Bolivia	557	Malaysia.
398	Uruguay/Paraguay	559	Singapore
400	Iceland	560	Indonesia
401	Sweden	565	Philippines
403	Norway	568	Southern Asia NEC
405	Finland	570	China (PRC)
409	Denmark	580	Republic of Korea
412	United Kingdom	582	Hong Kong
419	Ireland	583	Taiwan
421	Netherlands	588	Japan
423	Belgium/Luxembourg	599	Far East Asia NEC
427	France	602	Australia
428	Federal Republic of Germany	614	New Zealand
433	Austria	699	Oceania NEC
441	Switzerland	701	North Africa NEC
461	Soviet Union	702	West Africa NEC
470	Spain	703	East Africa NEC
471	Portugal	729	Egypt
475	Italy	748	Ivory Coast
484	Greece	753	Nigeria
489	Turkey	791	South Africa

U.S. COASTAL CODES

0	Total for all Coasts (non-U.S countries)
1	North Atlantic
2	South Atlantic
3	Gulf
4	Great Lakes
5	South Pacific (California and Hawaii)
6	North Pacific (Oregon, Washington, and Alaska)

TABLE A.2

COMMODITIES COVERED BY TRADE ANALYSIS SERVICE

Code	Description
0010	Live Animals
0110	Meat, Reefer
0220	Dairy, Reefer
0300	Fish, Reefer
0390	Meat, Fish and Dairy, Dry
0410	Wheat
0420	Rice
0430	Barley, Rye, Oats, Meal and Flour
0440	Corn
0450	Sorghum and Unmilled Cereals NES
0480	Other Cereal Preparations
0540	Vegetables, Dry
0550	Vegetables, Reefer
0570	Fruits and Nuts, Reefer
0580	Fruits and Nuts, Dry
0600	Sugar and Molasses
0710	Coffee and Cocoa
0740	Tea and Spices
0830	Oilseed Cake
0890	Other Feedstuff for Animals
0970	Miscellaneous Edibles, Dry
1110	Non-Alcoholic Beverages
1130	Beer, Ale, Stout and Porter
1140	Wine and Distilled Spirits
1200	Tobacco
2100	Hides and Skins
2220	Soybeans
2290	Other Oilseeds
2300	Crude Rubber
2410	Softwood Lumber
2470	Hardwood Logs and Lumber
2490	Pulpwood, Softwood Logs, Other Wood
2510	Wastepaper
2590	Woodpulp
2630	Cotton
2660	Synthetic Fibers
2680	Other Textile Fibers
2710	Crude Fertilizers
2730	Gypsum
2740	Sulphur
2780	Other Crude Minerals

2810	Iron Ores and Concentrates
2820	Iron or Steel Waste and Scrap
2830	Bauxite and Alumina
2840	Bauxite
2850	Alumina
2860	Other Metal Ores and Concentrates
2880	Nonferrous Metal Waste and Scrap
2920	Cut Flowers & Nursery Stock, Reefer
2990	Other Crude Animal/Veg Materials
3200	Coal and Coke
3300	Crude Petroleum
3410	Gasoline and Other Light Oils
3420	Jet Fuel, Kerosene, Medium Oils
3430	Other Fuel Oil and Motor Fuel
3440	Heavy Fuel Oils
3450	Lubricating Oil
3540	Petroleum Coke
3580	Residual Petroleum Products NES
3600	Gas, Natural and Manufactured
4100	Animal Oils and Fats
4200	Vegetable Oils and Fats
4300	Processed Oils/Fats, and Waxes NES
5110	Hydrocarbons NES
5150	Nitr-Fctn, Organo-Inorg, Heterocyclic
5170	Specified Acyclic Organic Chemicals
5180	Other Organic Chemicals (Exc 515)
5190	Other Organic Chemicals (Exc 517)
5240	Radioactive and Assoc, Materials
5280	Other Inorganic Chemicals (Exc 524)
5400	Medicines and Drugs
5500	Paints, Dyes, Soaps, Perfumes
5630	Potash
5690	Other Manufactured Fertilizers
5800	Synthetic Resins, Plastics, Film
5990	Other Chemical Materials/Products
6100	Leather, Mfrs, Dressed Furskins
6200	Tires and Inner Tubes
6340	Plywood and Veneers
6390	Other Wood/Cork Mfrs, Exc Furniture
6410	Newsprint
6420	Kraftpaper and Paperboard
6490	Other Articles of Paper
6520	Cotton Woven Fabrics and Yarn
6540	Synthetic Woven Fabrics and Yarn
6560	Other Woven Textile Fabrics & Yarn
6590	Carpets, Other Fabrics, Textile Prods
6610	Cement

6650	Pottery and Glassware
6690	Other Nonmetallic Mineral Mfrs
6730	Iron & Steel Plates, Pipes, Shapes
6790	Other Iron and Steel Products
6820	Copper
6840	Aluminum
6890	Other Nonferrous Metals
6910	Structures NES of Iron, Steel, Alum
6930	Wire Products and Expanded Metal
6940	Nails, Screws, Nuts, Bolts & Rivets
6950	Metal Cont, Tools, Household Eqpt
6990	Other Mineral Manufactures
7140	Jet, Gas Turbine & Reaction Engines
7180	Power Generating Machinery/Eqpt
7210	Tractors, Harvesters, Rollers(RORO)
7230	Oversized/Heavy-Lift Equipment
7290	Other Specialized Indust. Machinery
7300	Metalworking Machinery
7430	Pumps
7440	Mechanical Handling Eqpt (RORO)
7490	Other Genl Indust. Machinery/Eqpt
7520	Computers, Peripheral Eqpt & Parts
7590	Other Office Machines and Parts
7610	Television Receivers
7620	Radio Broadcast Receivers
7630	Sound and Television Recorders
7640	Telecommunications Equipment
7710	Electrical Ind. Eqpt and Parts NES
7750	Household Elect. Appliances/Eqpt
7760	Integrated Circuits/Semiconductors
7770	Other Electronic Components
7780	Electrical Machinery/Apparatus NES
7810	Passenger Automobiles (RORO)
7820	Trucks, Except Tractors (RORO)
7830	Truck Tractors, Buses, Etc (RORO)
7840	Parts of Road Vehicles
7850	Motorcycles and Scooters
7920	Aircraft and Parts
7930	Ships and Boats
8120	Light Fixtures
8200	Furniture and Parts
8300	Travel Goods and Handbags
8420	Male Garments, Not Knit/Crocheted
8430	Female Garments, Not Knit/Crocheted
8450	Garments, Knitted or Crocheted
8460	Undergarments
8490	Other Articles of Apparel

8600	Footwear
8750	Instruments
8820	Photo Film, Papers, Chem, Reefer
8890	Cameras, Watches and Clocks
8910	Rubber and Plastic Articles
8920	Printed Matter
8940	Toys, Games and Decorations
8950	Sporting Goods
8960	Precious Stones, Jewelry, Artworks
8980	Musical Instruments, Tapes, Records
8990	Other Manufactured Articles
9100	Postal Packages
9500	Military Arms, Ammunition, Vehicles
9900	Commodities and Transactions NEC

The following key definitions have been developed for the purposes of this study. This is the level of detail of the final long-term forecasts, a level of detail greater than that of PCC data or of the final result. This commodity detail was carried out to support the work on the world vessel fleet and the transportation economics.

TABLE A.3

DEFINITION OF COMMODITIES IN WORLD COMMODITY LONG-TERM TRADE FORECAST CARRIED OUT FOR THIS STUDY

Bulk Grains

0410 Wheat
0440 Corn
0450 Sorghum and Unmilled Cereals NES

Iron Ores and Concentrates

2810 Iron Ores and Concentrates

Bauxite and Alumina

2840 Bauxite
2850 Alumina

Coal and Coke

3200 Coal and Coke
3540 Petroleum Coke

Sugar and Molasses

0600 Sugar and Molasses

Logs and Lumber

2410 Softwood Lumber
2470 Hardwood Logs and Lumber
2490 Pulpwood, Softwood Logs, Other Wood
6340 Plywood and Veneers

Minor Bulks

- Other Grains
  - 0420 Rice
  - 0430 Barley, Rye, Oats, Meal and Flour
- Food, SE Asia-Europe
- Oilseed Cake
  - 0830 Oilseed Cake
- Other Animal Feeds
  - 0890 Other Feedstuff for Animals
- Oil Seeds
  - 2220 Soybeans
  - 2290 Other Oilseeds
- Woodpulp
  - 2590 Woodpulp

- o Fertilizers, Crude/Mfgd
  - 2710 Crude Fertilizers
  - 5630 Potash
  - 5690 Other Manufactured Fertilizers
- o Other Crude Minerals
  - 2730 Gypsum
  - 2740 Sulphur
  - 2780 Other Crude Minerals
- o Metal Waste and Scrap
  - 2820 Iron or Steel Waste and Scrap
  - 2880 Nonferrous Metal Waste and Scrap
- o Paper and Paperboard
  - 6410 Newsprint
  - 6420 Kraftpaper and Paperboard
- o Cement
  - 6610 Cement
- o Iron and Steel Products
  - 6730 Iron & Steel Plates, Pipes, Shapes
  - 6790 Other Iron and Steel Products
  - 6910 Structures NES of Iron, Steel, Alum
- o Nonferrous Metals
  - 6820 Copper
  - 6840 Aluminum
  - 6890 Other Nonferrous Metals

Live Animals

- 0010 Live Animals

Refrigerated Cargo

- 0110 Meat, Reefer
- 0220 Dairy, Reefer
- 0300 Fish, Reefer
- 0550 Vegetables, Reefer
- 0570 Fruits and Nuts, Reefer
- 2920 Cut Flowers & Nursery Stock, Reefer
- 8820 Photo Film, Papers, Chem, Reefer

Vehicles

- 7210 Tractors, Harvesters, Rollers(RORO)
- 7440 Mechanical Handling Eqpt. (RORO)
- 7810 Passenger Automobiles (RORO)
- 7820 Trucks, Except Tractors (RORO)
- 7830 Truck Tractors, Buses, Etc. (RORO)

General Cargo, Foods

- o Other Grains
  - 0420 Rice
  - 0430 Barley, Rye, Oats, Meal and Flour
- o General Cargo, Foods
  - 0390 Meat, Fish and Dairy, Dry
  - 0480 Other Cereal Preparations
  - 0540 Vegetables, Dry
  - 0580 Fruits and Nuts, Dry
  - 0710 Coffee and Cocoa
  - 0740 Tea and Spices
  - 0970 Miscellaneous Edibles, Dry
  - 1110 Non-Alcoholic Beverages
  - 1130 Beer, Ale, Stout and Porter
  - 1140 Wine and Distilled Spirits

General Cargo, Crude Materials

- o Woodpulp
  - 2590 Woodpulp
- o General Cargo, Crude Materials
  - 2100 Hides and Skins
  - 2300 Crude Rubber
  - 2510 Wastepaper
  - 2630 Cotton
  - 2660 Synthetic Fibers
  - 2680 Other Textile Fibers
  - 2860 Other Metal Ores and Concentrates
  - 2990 Other Crude Animal/Veg. Materials

General Cargo, Chemical Products

- o Petroleum Products
  - 3410 Gasoline and Other Light Oils
  - 3420 Jet Fuel, Kerosene, Medium Oils
  - 3430 Other Fuel Oil and Motor Fuel
  - 3440 Heavy Fuel Oils
  - 3450 Lubricating Oil
  - 3580 Residual Petroleum Products NES
- o Bulk Chemicals
  - 5110 Hydrocarbons NES
  - 5150 Nitr-Fctn,Organo-Inorg,Heterocyclic
  - 5180 Other Organic Chemicals (Exc 515)
  - 5280 Other Inorganic Chemicals (Exc 524)
- o General Cargo, Chemicals
  - 5240 Radioactive and Assoc. Materials
  - 5400 Medicines and Drugs
  - 5500 Paints, Dyes, Soaps, Perfumes
  - 5800 Synthetic Resins, Plastics, Film
  - 5990 Other Chemical Materials/Products

General Cargo, Manufactures

- o Paper and Paperboard
  - 6410 Newsprint
  - 6420 Kraftpaper and Paperboard
- o Nonferrous Metals
  - 6820 Copper
  - 6840 Aluminum
  - 6890 Other Nonferrous Metals
- o General Cargo, Manufactures
  - 6100 Leather, Mfrs, Dressed Furskins
  - 6200 Tires and Inner Tubes
  - 6390 Other Wood/Cork Mfrs, Exc Furniture
  - 6490 Other Articles of Paper
  - 6520 Cotton Woven Fabrics and Yarn
  - 6540 Synthetic Woven Fabrics and Yarn
  - 6560 Other Woven Textile Fabrics & Yarn
  - 6590 Carpets,Other Fabrics,Textile Prods
  - 6650 Pottery and Glassware
  - 6690 Other Nonmetallic Mineral Mfrs.
  - 6930 Wire Products and Expanded Metal
  - 6940 Nails, Screws, Nuts, Bolts & Rivets
  - 6950 Metal Cont., Tools, Household Eqpt.
  - 6990 Other Metal Manufactures

General Cargo, Mechanical Equipment

- 7140 Jet, Gas Turbine & Reaction Engines
- 7180 Power Generating Machinery/Eqpt.
- 7290 Other Specialized Indust. Machinery
- 7300 Metalworking Machinery
- 7430 Pumps
- 7490 Other Genl Indust. Machinery/Eqpt.
- 7840 Parts of Road Vehicles
- 7850 Motorcycles and Scooters
- 9500 Military Arms, Ammunition, Vehicles

General Cargo, Electrical Equipment

- 7520 Computers, Peripheral Eqpt. & Parts
- 7590 Other Office Machines and Parts
- 7610 Television Receivers
- 7620 Radio Broadcast Receivers
- 7630 Sound and Television Recorders
- 7640 Telecommunications Equipment
- 7710 Electrical Ind. Eqpt. and Parts NES
- 7750 Household Elect. Appliances/Eqpt.
- 7760 Integrated Circuits/Semiconductors
- 7770 Other Electronic Components
- 7780 Electrical Machinery/Apparatus NES
- 8750 Instruments

General Cargo, Other

- o General Cargo, Other
  - 1200 Tobacco
  - 8120 Light Fixtures
  - 8200 Furniture and Parts
  - 8300 Travel Goods and Handbags
  - 8420 Male Garments, Not Knit/Crocheted
  - 8430 Female Garments, Not Knit/Crocheted
  - 8450 Garments, Knitted or Crocheted
  - 8460 Undergarments
  - 8490 Other Articles of Apparel
  - 8500 Footwear
  - 8890 Cameras, Watches and Clocks
  - 8910 Rubber and Plastic Articles
  - 8920 Printed Matter
  - 8940 Toys, Games, and Decorations
  - 8950 Sporting Goods
  - 8960 Precious Stones, Jewelry, Artworks
  - 8980 Musical Instruments, Tapes, Records
  - 8990 Other Manufactured Articles
- o Commodities NEC
  - 9100 Postal Packages
  - 9900 Commodities and Transactions NEC

General Cargo, Total Containerizable

- General Cargo, Foods
- General Cargo, Crude Materials
- General Cargo, Chemical Products
- General Cargo, Manufactures
- General Cargo, Mechanical Equipment
- General Cargo, Electrical Equipment
- General Cargo, Other

General Cargo, Non-Containerizable

- o Metal Waste and Scrap
  - 2820 Iron or Steel Waste and Scrap
  - 2880 Nonferrous Metal Waste and Scrap
- o Oversized/Heavy-Lift Equipment
  - 7230 Oversized/Heavy-Lift Equipment
- o Ships, Boats, Aircraft and Parts
  - 7920 Aircraft and Parts
  - 7930 Ships and Boats

Crude Petroleum

- 3300 Crude Petroleum

Petroleum Products

- 3410 Gasoline and Other Light Oils
- 3420 Jet Fuel, Kerosene, Medium Oils
- 3430 Other Fuel Oil and Motor Fuel
- 3440 Heavy Fuel Oils

3450 Lubricating Oil
3580 Residual Petroleum Products NES

Gas, Natural and Manufactured

3600 Gas, Natural and Manufactured

Bulk Chemicals

5110 Hydrocarbons NES
5150 Nitr-Fctn,Organo-Inorg,Heterocyclic
5180 Other Organic Chemicals (Exc 515)
5280 Other Inorganic Chemicals (Exc 524)

Oils and Fats

4100 Animal Oils and Fats
4200 Vegetable Oils and Fats
4300 Processed Oils/Fats, and Waxes NES

TABLE A.4

DEFINITION OF ORIGIN/DESTINATION REGIONS IN THE BASIC LONG-TERM WORLD TRADE FORECAST PREPARED FOR THIS STUDY

101 U.S. East Coast
- 1001 U.S. North Atlantic
- 1002 U.S. South Atlantic
- 1005 U.S. Great Lakes

102 U.S. Gulf Coast
- 1003 U.S. Gulf

103 U.S. West Coast
- 1006 U.S. South Pacific
- 1007 U.S. Pacific Northwest

122 Canada
- 122 Canada
- 161 St. Pierre And Miquelon
- 822 U.S. Grain Transshipped Through Canada

201 Mexico
- 201 Mexico

299 Carib./Cent.America
- 205 Guatemala
- 208 Belize
- 211 El Salvador
- 215 Honduras
- 219 Nicaragua
- 223 Costa Rica
- 225 Panama
- 227 Canal Zone
- 232 Bermuda
- 236 Bahamas
- 239 Cuba
- 241 Jamaica
- 243 Turks And Caicos Isl.
- 244 Cayman Islands
- 245 Haiti
- 247 Dominican Republic
- 248 Leeward And Windward Isl.
- 272 Barbados
- 274 Trinidad And Tobago
- 277 Netherlands Antilles
- 283 French West Indies
- 312 Guyana
- 315 Surinam
- 317 French Guiana
- 903 Puerto Rico
- 911 Virgin Islands

301 Colombia
- 301 Colombia

307 Venezuela
- 307 Venezuela

391 South America East Coast
- 351 Brazil
- 357 Argentina
- 353 Paraguay
- 355 Uruguay
- 372 Falkland Islands

392 South America West Coast
- 331 Ecuador
- 333 Peru
- 335 Bolivia
- 337 Chile

491 North Europe
- 101 Greenland
- 400 Iceland
- 401 Sweden
- 403 Norway
- 405 Finland
- 409 Denmark
- 412 United Kingdom
- 419 Ireland
- 421 Netherlands

423 Belgium/Luxembourg
427 France
428 Fed. Rep. Of Germany
429 German Dem. Republic
430 Monaco
447 Estonia
449 Latvia
451 Lithuania
455 Poland
461 Soviet Union

492 South Europe
433 Austria
435 Czechoslovakia
437 Hungary
441 Switzerland
467 Azores
470 Spain
471 Portugal
472 Gibraltar
475 Italy
479 Yugoslavia
481 Albania
484 Greece
485 Romania
487 Bulgaria
489 Turkey

510 Middle East
505 Iraq
507 Iran
513 Kuwait
517 Saudi Arabia
518 Qatar
520 United Arab Emirates
521 Yemen (Sana)
522 Yemen (Aden)
523 Oman
525 Bahrain

530 South Asia
531 Afghanistan
533 India
535 Pakistan
536 Nepal
538 Bangladesh
542 Sri Lanka (Ceylon)
546 Burma
561 Brunei
567 Timor & SSE Asia

550 Southeast Asia
549 Thailand
552 Vietnam
553 Laos
555 Cambodia
557 Malaysia
559 Singapore
560 Indonesia
565 Philippines
566 Macao
574 Mongolia
579 North Korea

590 Far East Asia
570 China (PRC)
580 Republic Of Korea
582 Hong Kong
583 Taiwan
588 Japan
590 Nansei Islands

600 Oceania
602 Australia
604 Papua New Guinea
614 New Zealand
615 Western Samoa
622 Southern Pacific Islands
631 Fiji
632 Togo
633 Tonga
634 Vanuatu
641 French Pacific Islands
684 Trust Pacific Islands
686 Other Pacific Isl. NEC
931 Midway Island
933 Wake Island
935 Guam

941 Canton And Enderbury Isl.
951 American Somoa

791 South Africa
791 South Africa

792 North Africa/East Med
473 Malta And Gozo
491 Cyprus
502 Syria
504 Lebanon
508 Israel
511 Jordan
512 Gaza Strip
714 Morocco
721 Algeria
723 Tunisia
725 Libya
729 Egypt

793 West Africa
733 Canary Islands
735 Spanish Africa NEC
737 Western Sahara
738 Equatorial Guinea
741 Mauritania
742 Cameroon
744 Senegal
745 Mali
746 Guinea
747 Sierra Leone
748 Ivory Coast
749 Ghana
750 Gambia
751 Niger
752 Togo
753 Nigeria
754 Central African Republic
755 Gabon
756 Chad
757 Western Africa NEC
758 St. Helena
759 Madeira Islands
760 Upper Volta
761 Benin
762 Angola
763 Congo (Brazziville)
764 Western Africa NEC
765 Liberia
766 Zaire
792 Namibia

794 East Africa
732 Sudan
767 Burundi
769 Rwanda
770 Somalia
774 Ethiopia
777 Djibouti
778 Uganda
779 Kenya
780 Seychelles
781 British Indian Ocean
783 Tanzania
785 Mauritius
787 Mozambique
788 Malagasy Republic
789 Comoros
790 French Indian Ocean
793 Botswana
794 Zambia
795 Swaziland
796 Zimbabwe
797 Malawi
799 Lesotho

The following concordance conveys our understanding of the relationship between the commodity groups in the PCC data and those we are using.

TABLE A.5

COMMODITY GROUP CONCORDANCE

PCC REPORTS TRADE FILE	CORRESP. WEFA
Canned Foods:	General Cargo, Foods
Canned Fish	General Cargo, Foods
Canned Fruit	General Cargo, Foods
Canned Mild	General Cargo, Foods
Canned Other	General Cargo, Foods
REFRIGERATED FOODS:	Reefer Cargo
Bananas	Reefer Cargo
Dairy Products	Reefer Cargo
Fish	Reefer Cargo
Other Fruit	Reefer Cargo
Meat	Reefer Cargo
Other	Reefer Cargo
CANNED AND REFRIGERATED FOODS, MISC.	Split between Reefer and General Cargo/Other
CHEMICALS AND PETROLEUM CHEMICALS:	
Caustic Soda	Bulk Chemicals
Benzene	Bulk Chemicals
Toluene	Bulk Chemicals
Chemicals Other	Bulk Chemicals; Gen Cargo
Crude Mats; Gas Natural & Manuf.	
Petroleum Chemicals Misc.	PL Chems; Gen Cargo Crude Mats; Gas Natural & Manuf.
COAL AND COKE (EXCL. PET. COKE)	Coal & Coke (Incl. Briquettes/Peat)
Coal	Coal & Coke (Incl. Briquettes/Peat)
GRAINS	
Barley	Minor Bulks/Other Grains
Corn	Bulk Grains
Oats	Minor Bulks/Other Grains
Sorghum	Bulk Grains
Soybeans	Minor Bulks/Oilseeds
Wheat	Bulk Grains
Other and Unclassified	Minor Bulks/Grains
LUMBER AND PRODUCTS	
Boards and Planks	Logs & Lumber
Plywood, Veneers, Composition Board	Logs & Lumber
Pulpwood	Minor Bulks/Woodpulp; Gen. Cargo Crude Materials
Other, Misc.	Logs & Lumber
MACHINERY & EQUIPMENT	Gen. Cargo Mech Equipment
Agricultural Machinery & Implements	Gen. Cargo Mech Equipment
Autos, Trucks, Accessories and Parts	Vehicles (Excl Parts)
Construction Machinery & Implements	Gen. Cargo Mech Equipment
Electrical Machinery and Apparatus	Gen. Cargo Electrical
Motorcycles, Bicycles and Parts	Gen. Cargo Mech Equipment
Other	Gen. Cargo Mech Equipment

MANUFACTURERS OF IRON & STEEL	Gen. Cargo Manufacturers
Angles, Shapes and Sections	Gen. Cargo Manufacturers
Nails, Tacks and Spikes	Gen. Cargo Manufacturers
Plates, Sheets and Coils	Gen. Cargo Manufacturers
Tubes, Pipes and Fittings	Gen. Cargo Manufacturers
Wire, Bars, and Rods	Gen. Cargo Manufacturers
Other and Unclassified	Gen. Cargo Manufacturers
MATERIALS, MISCELLANEOUS	Minor Bulks/Other Crude Minerals
Asbestos	Minor Bulks/Other Crude Minerals
Borax	Minor Bulks/Other Crude Minerals
Infusorial Earth	Minor Bulks/Other Crude Minerals
Salt	Minor Bulks/Other Crude Minerals
Soda and Sodium Compounds	Minor Bulks/Other Crude Minerals
Sulfur	Minor Bulks/Other Crude Minerals
NITRATES, PHOSPHATES, AND POTASH	Minor Bulks/Fertilizers Crude & Manufactured
Ammonium Compounds	Minor Bulks/Fertilizers Crude & Manufactured
Fishmeal	Minor Bulks/Fertilizers Crude & Manufactured
Nitrate of Soda	Minor Bulks/Fertilizers Crude & Manufactured
Phosphates	Minor Bulks/Fertilizers Crude & Manufactured
Potash	Minor Bulks/Fertilizers Crude & Manufactured
Fertilizers, Unclassified	Minor Bulks/Fertilizers Crude & Manufactured
ORES AND METALS	
Ores	
Alumina/Bauxite	Alumina/Bauxite
Chrome	Minor Bulks
Copper	Minor Bulks
Iron	Iron Ore and Concentrates
Lead	Minor Bulks
Manganese	Minor Bulks
Tin	Minor Bulks
Zinc	Minor Bulks
Others and Unclassified	Minor Bulks
METALS	Minor Bulks/Non Ferrous Metals: Gen. Cargo Man
Aluminum	Minor Bulks/Non Ferrous Metals: Gen. Cargo Man
Copper	Minor Bulks/Non Ferrous Metals: Gen. Cargo Man
Iron	Minor Bulks/Iron & Steel
Prods; Gen. Cargo Man Lead	Minor Bulks/Non Ferrous
Metals: Gen. Cargo Man	
Scrap	Minor Bulks/Metal Waste & Scrap; Gen. Cargo Man
Tin, Incl. Tinplate	Minor Bulks/Non Ferrous Metals: Gen. Cargo Man
Zinc	Minor Bulks/Non Ferrous

Metals: Gen. Cargo Man	
Other and Unclassified	Minor Bulks/Non Ferrous Metals; Gen. Cargo Man
OTHER AGRICULTURAL COMMODITIES	
Beans, Edible	Gen Cargo Foods
Cocoa and Cocoa Beans	Gen Cargo Foods
Coffee, Raw and Processed	Gen Cargo Foods
Copra and Coconuts	Gen Cargo Foods&/Or Gen Cargo Crude Mats.
Cotton, Raw	Gen Cargo Crude Materials
Molasses	Sugar & Molasses
Oilseeds	Minor Bulks/Oilseeds
Peas, Dry	Gen Cargo Foods
Rubber, Raw	Gen Cargo Crude Materials
Skins and Hides	Gen Cargo Crude Materials
Wool, Raw	Gen Cargo Crude Materials
PETROLEUM AND PRODUCTS	
Asphalt	Petroleum
Crude Oil	Crude Petroleum
Diesel Oil	Petroleum Products
Fuel Oil, Residual	Petroleum Products
Gasoline	Petroleum Products
Jet Fuel	Petroleum Products
Kerosene	Petroleum Products
Liquified Gas	Gas, Natural & Manufactured
Lubricating Oil	Petroleum Products/Gen Cargo Chemical Prods
Petroleum Coke	Coal and Coke
Other and Unclassified	Petroleum Products
MISCELLANEOUS	
Bricks and Tile	Gen. Cargo/Other
Carbon Black	Gen. Cargo/Other
Cement	Minor Bulks/Cement
Clay, Fire and China	Gen. Cargo/Other
Fibers Plant	Gen Cargo Crude Materials
Flour, Wheat	Minor Bulks
Glass and Glassware	Gen Cargo Manufactures
Groceries, Miscellaneous	Gen Cargo Foods
Liquors and Wines	Gen Cargo Foods
Marble and Stone	Minor Bulks
Oil, Coconut	Oils & Fats
Oil, Fish	Oils & Fats
Oil, Vegetable	Oils & Fats
Paper and Paper Products	Minor Bulks/Paper & Paperboard; Gen Cargo Man
Porcelain ware	Gen Cargo Manufs
Resin	Gen Cargo/Other
Rubber, Manufactured	Gen Cargo/Other
Seeds, Excluding Oilseeds	Gen Cargo/Other
Slag, Clinkers, and Dross	Minor Bulks
Tallow	Oils & Fats
Textiles	Gen Cargo Manufactures
Tobacco and Manufactures	Gen Cargo Other
Wax, Paraffin	Petroleum Products
Container Cargo	Containerized Cargo
All Other and Unclassified	Gen Cargo/Other
Total	

PANAMA CANAL COMMISSION COMMODITY DATA
WEFA TRADE FLOW DATA

Notes:

1) The commodity categories in the PCC data do not generally correspond to terminology and product definitions generally in use in the public domain e.g. in OECD trade statistics, Eurostats etc. Certain data are idiosyncratically described. The concordance has been carried out using a combination of obvious relationships and our best judgement.

2) In producing the Panama Canal trade and traffic database a major aim is to provide the commodity flow data in groupings that can be used within the framework of the WEFA groupings/by ship types used in the project.

TABLE A.6

SHIP SIZE RANGES USED IN THE STUDY

In order to readily develop Panama Canal transit forecasts for each of the five cases under study, global demand and global supply databases for each cargo carrying ship type were reconstructed from existing databases into size ranges which were both relevant to this project and which reflect major market determinants.

For full container vessels, container breakbulk, refrigerated cargo ships, vehicle carriers and conventional general cargo ships:

DWT Size Range		
< 10,000 DWT		
10	-	25,000 DWT
25	-	40,000 DWT
40	-	65,000 DWT
65	-	100,000 DWT
100	-	150,000 DWT (if and as appropriate).

For purposes of presentation, the 10-25,000 DWT range and the 25-40,000 DWT range were combined into a 10-40,000 DWT range.

For other cargo carrying ships, that is oil tankers, chemical tankers, combined carriers, dry bulk carriers and gas ships, the following compatible size ranges were used:

DWT Size Range		
< 10,000 DWT		
10	-	40,000 DWT
40	-	65,000 DWT
65	-	100.000 DWT
100	-	150,000 DWT
150	-	200,000 DWT
200	-	250,000 DWT

In order to determine the constraints of a maximum design ship of 250,000 DWT, fleet forecasts include assessments of vessels above this size.

The final study TOR called for the categories shown in the preceding tables to be aggregated to the classifications of Tables A.6 - A.10.

TABLE A.7

FINAL SET OF COMMODITY CATEGORIES

Crude Oil	-	the major heading from Table A.3 "crude oil"
Petroleum Products	-	the major heading from Table A.3 "petroleum products"
Bulk Grains		
Iron Ore and Concentrates		
Bauxite and Alumina		
Coal and Coke		
Fertilizers		
Minor Bulks	-	includes from Table A.3 minor bulks plus sugar & molasses and logs & limber and excluding fertilizers
Bulk Chemicals	-	the major heading from Table A.3 "bulk chemicals"
Oils & Fats	-	the major heading from Table A.3 "oils and fats"
Refrigerated Cargoes		the major heading from Table A.3 "refrigerated cargoes"
Vehicles	-	the major heading from Table A.3 "vehicles"
General Cargo	-	the sum of all the "general cargo headings", except "containerizable"
Containerized	-	the major heading from Table A.3 "general cargo, total containerizable"

TABLE A.8

FINAL SET OF ORIGINS AND DESTINATIONS

U.S. East Coast - includes Great Lakes and Gulf Coast

U.S. West Coast - includes Alaska and Hawaii

Canada East Coast

Canada West Coast

Central America East Coast, including Caribbean

Central America West Coast

South America East Coast

South America West Coast

Europe - includes North and South Europe

Africa - includes North, South, East, and West Africa

Oceania

Asia - Far East Asia, Southeast Asia and South Asia

Middle East

TABLE A.9

FINAL SET OF PANAMA CANAL TRADE ROUTES

The route definitions in the study are the following:

Origin	Destination
Southbound	
U.S. East Coast	U.S. West Coast, Hawaii
U.S. East Coast	Canada West Coast
U.S. East Coast	Central America West Coast
U.S. East Coast	South America West Coast
U.S. East Coast	Oceania
U.S. East Coast	Asia
Canada East Coast	U.S. West Coast, Hawaii
Canada East Coast	Central America West Coast
Canada East Coast	South America West Coast
Canada East Coast	Oceania
Canada East Coast	Asia
C. America E.C.,W.Indies	U.S. West Coast, Hawaii
C. America E.C.,W.Indies	Central America West Coast
C. America E.C.,W.Indies	South America West Coast
C. America E.C.,W.Indies	Oceania
C. America E.C.,W.Indies	Asia
S.America E.C.	U.S. West Coast, Hawaii
S.America E.C.	Canada West Coast
S.America E.C.	Central America West Coast
S.America E.C.	South America West Coast
S.America E.C.	Oceania
S.America E.C.	Asia
Europe	U.S. West Coast, Hawaii
Europe	Canada West Coast
Europe	Central America West Coast
Europe	South America West Coast
Europe	Oceania
Europe	Asia
Africa	U.S. West Coast, Hawaii
Africa	Canada West Coast
Africa	Central America West Coast
Africa	South America West Coast
Africa	Oceania
Africa	Asia
Middle East	U.S. West Coast, Hawaii

Northbound

U.S. W.C., Hawaii	U.S. East Coast
U.S. W.C., Hawaii	Canada East Coast
U.S. W.C., Hawaii	Central America E.C., W. Indies
U.S. W.C., Hawaii	South America East Coast
U.S. W.C., Hawaii	Europe
U.S. W.C., Hawaii	Africa
Canada West Coast	U.S. East Coast
Canada West Coast	Canada East Coast
Canada West Coast	Central America E.C., W. Indies
Canada West Coast	South America East Coast
Canada West Coast	Europe
Canada West Coast	Africa
Canada West Coast	Middle East
C. America W.C.	U.S. East Coast
C. America W.C.	Central America E.C., W. Indies
C. America W.C.	South America East Coast
C. America W.C.	Europe
C. America W.C.	Africa
S. America W.C.	U.S. East Coast
S. America W.C.	Canada East Coast
S. America W.C.	Central America E.C., W. Indies
S. America W.C.	South America East Coast
S. America W.C.	Europe
S. America W.C.	Africa
Oceania	U.S. East Coast
Oceania	Canada East Coast
Oceania	Central America E.C., W. Indies
Oceania	South America East Coast
Oceania	Europe
Asia	U.S. East Coast
Asia	Canada East Coast
Asia	Central America E.C., W. Indies
Asia	South America East Coast
Asia	Europe

TABLE A.10

FINAL SET OF SHIP CATEGORIES

Container Breakbulk Ships (CB)

Full Container Ships (F)

Conventional General Cargo Ships (G)

Refrigerated Cargo Ships (R)

Roll-On Roll-Off Ships (RO)

Vehicle Carriers (V)

Passenger Ships (P)

Combined and Dry Bulk Carriers (CD)

Chemical Tankers (CT)

Liquified Propane Tankers (LP)

Oil Tankers (T)

APPENDIX B

PORT TO PORT MILEAGES USED IN THIS STUDY

MILEAGES

Origin	Destination	Port Origin	Port Destination	MILEAGES P CANAL (NLR=NOT LOGICAL ROUTE)	OTHER	Other Route
U.S. East Coast	U.S. West Coast	New York	San Francisco	5264	13773	CAPE HORN
U.S. East Coast	Canada East Coast	New York	MONTREAL	NLR		
U.S. East Coast	Canada West Coast	New York	Vancouver	6064	14186	CAPE HORN
U.S. East Coast	Mexico East Coast	New York	TAMPICO	NLR		
U.S. East Coast	Mexico West Coast	New York	SALINA CRUZ	4327	11754	CAPE HORN
U.S. East Coast	Carib./Cent. America EC	New York	KINGSTON	NLR	1167	FLORIDA STR
U.S. East Coast	Carib./Cent. America WC	New York	BALBOA	2019	NLR	
U.S. East Coast	Colombia East Coast	New York	CARTAGENA	NLR		
U.S. East Coast	Colombia West Coast	New York	BUENAVENTURA	2373	10878	CAPE HORN
U.S. East Coast	Venezuela	New York	LA GUAIRA	NLR		
U.S. East Coast	Chile	New York	VALPARAISO	4634	8584	CAPE HORN
U.S. East Coast	Brazil	New York	RIO DE JAINERO	NLR	4745	DIRECT
U.S. East Coast	Argentina	New York	BUENOS AIRES	NLR	5887	DIRECT
U.S. East Coast	W. South America NEC	New York	CALLAO	3367	9881	CAPE HORN
U.S. East Coast	E. South America NEC	New York	MONTEVIDEO	NLR	5727	DIRECT
U.S. East Coast	North Europe	New York	ROTTERDAM	NLR	3314	DIRECT
U.S. East Coast	Mediterranean Europe	New York	NAPOLI	NLR	3577	DIRECT
U.S. East Coast	North Africa/East Med	New York	PORT SAID	NLR	4988	DIRECT
U.S. East Coast	Saudi Arabia	New York	JIDDAH	NLR		
U.S. East Coast	Other Middle East	New York	KUWAIT	NLR		
U.S. East Coast	South Asia	New York	CALCUTTA	14347	9844	SUEZ
U.S. East Coast	Thailand	New York	BANGKOK	12556	10964	SUEZ
U.S. East Coast	Southeast Asia NEC	New York	MANILA	11364	11502	SUEZ
U.S. East Coast	Singapore	New York	SINGGAPORE	12467	10133	SUEZ
U.S. East Coast	Other Far East Asia	New York	SHANGHAI	10583	12476	SUEZ
U.S. East Coast	Japan	New York	YOKOHAMA	9659	13025	SUEZ
U.S. East Coast	Australia East Coast	New York	PORT KEMBLA	9600	12779	CAPE HORN
U.S. East Coast	Australia West Caost	New York	PORT HEDLAND	12084	11306	SUEZ
U.S. East Coast	Other Oceania	New York	WELLINGTON	8525	13555	SUEZ
U.S. East Coast	West Africa	New York	LAGOS	NLR	3335	DIRECT
U.S. East Coast	East Africa	New York	MOMBASA	NLR	8151	SUEZ
U.S. East Coast	South Africa	New York	CAPE TOWN	NLR	6800	DIRECT
U.S. Gulf Coast	U.S. West Coast	New Orleans	SAN FRANCISCO	4693	13802	CAPE HORN
U.S. Gulf Coast	Canada East Coast	New Orleans	MONTREAL	NLR	3069	ST LAWRENCE
U.S. Gulf Coast	Canada West Coast	New Orleans	VANCOUVER	5468	14585	CAPE HORN
U.S. Gulf Coast	Mexico East Coast	New Orleans	TAMPICO	NLR		
U.S. Gulf Coast	Mexico West Coast	New Orleans	SALINA CRUZ	2620	12153	CAPE HORN
U.S. Gulf Coast	Carib./Cent. America EC	New Orleans	KINGSTON	NLR		
U.S. Gulf Coast	Carib./Cent. America WC	New Orleans	BALBOA	1447	NLR	
U.S. Gulf Coast	Colombia East Coast	New Orleans	CARTAGENA	NLR		
U.S. Gulf Coast	Colombia West Coast	New Orleans	BUENAVENTURA	1779	11298	CAPE HORN
U.S. Gulf Coast	Venezuela	New Orleans	LA GUAIRA	NLR		
U.S. Gulf Coast	Chile	New Orleans	VALPARAISO	4038	9037	CAPE HORN
U.S. Gulf Coast	Brazil	New Orleans	RECIFE	NLR		
U.S. Gulf Coast	Argentina	New Orleans	BUENOS AIRES	6751	6237	DIRECT
U.S. Gulf Coast	W. South America NEC	New Orleans	CALLAO	2767	10280	CAPE HORN
U.S. Gulf Coast	E. South America NEC	New Orleans	MONTEVIDEO	NLR		
U.S. Gulf Coast	North Europe	New Orleans	ROTTERDAM	NLR		
U.S. Gulf Coast	Mediterranean Europe	New Orleans	NAPOLI	NLR		

MILEAGES

Origin	Destination	Port Origin	Port Destination	MILEAGES P CANAL (NLR=NOT ROUTE)	OTHER LOGICAL	Other Route
Canada East Coast	U.S. Gulf Coast	Montreal	NEW ORLEANS	NLR		
Canada East Coast	U.S. West Coast	Montreal	SAN FRANCISCO	5588	NLR	
Canada East Coast	Mexico East Coast	Quebec	TAMPICO	NLR		
Canada East Coast	Mexico West Coast	Montreal	SALINA CRUZ	4458	NLR	
Canada East Coast	Carib./Cent. America EC	Montreal	KINGSTON	NLR		
Canada East Coast	Carib./Cent. America WC	Montreal	BALBOA	3162	NLR	
Canada East Coast	Colombia East Coast	Montreal	CARTAGENA	NLR		
Canada East Coast	Colombia West Coast	Quebec	BUENAVENTURA	3516	NLR	
Canada East Coast	Venezuela	Montreal	LA GUAIRA	NLR		
Canada East Coast	Chile	Montreal	VALPARAISO	5913	NLR	
Canada East Coast	Brazil	Montreal	RECIFE	NLR		
Canada East Coast	Argentina	Quebec	BUENOS AIRES	NLR	6474	DIRECT
Canada East Coast	W. South America NEC	Montreal	GUAYQUIL	3999	NLR	
Canada East Coast	E. South America NEC	Montreal	MONTEVIDEO	NLR		
Canada East Coast	North Europe	Montreal	ROTTERDAM	NLR		
Canada East Coast	Mediterranean Europe	Montreal	NAPOLI	NLR		
Canada East Coast	North Africa/East Med	Montreal	PORT SAID	NLR		
Canada East Coast	Saudi Arabia	Montreal	JIDDAH	NLR		
Canada East Coast	Other Middle East	Montreal	KUWAIT	NLR		
Canada East Coast	South Asia	Montreal	CALCUTTA	15501	9889	SUEZ
Canada East Coast	Thailand	Quebec	BANGKOK	13635	10799	SUEZ
Canada East Coast	Southeast Asia NEC	Montreal	MANILA	12750	11544	SUEZ
Canada East Coast	Singapore	Quebec	SINGAPORE	13546	9968	SUEZ
Canada East Coast	Other Far East Asia	Montreal	SHANGHAI	11947	12527	SUEZ
Canada East Coast	Japan	Quebec	YOKOHAMA	10738	12860	SUEZ
Canada East Coast	Australia East Coast	Quebec	PORT KEMBLA	10679	13495	CAPE HOPE
Canada East Coast	Australia West Caost	Quebec	PORT HEDLAND	13163	12247	CAPE HOPE
Canada East Coast	Other Oceania	Montreal	WELLINGTON	9802	14400	SUEZ
Canada East Coast	West Africa	Montreal	LAGOS	NLR		
Canada East Coast	East Africa	Quebec	DAR ES SALAAM	12784	11119	DIRECT
Canada East Coast	South Africa	Quebec	DURBAN	11215	11945	DIRECT
Canada West Coast	U.S. East Coast	Vancouver	NEW YORK	6037	NLR	
Canada West Coast	U.S. Gulf Coast	Vancouver	NEW ORLEANS	5468	NLR	
Canada West Coast	U.S. West Coast	Vancouver	SAN FRANCISCO	NLR		
Canada West Coast	Mexico East Coast	Vancouver	TAMPICO	5538	NLR	
Canada West Coast	Mexico West Coast	Vancouver	SALINA CRUZ	NLR		
Canada West Coast	Carib./Cent. America EC	Vancouver	KINGSTON	4633	NLR	
Canada West Coast	Carib./Cent. America WC	Vancouver	BALBOA	4021	NLR	
Canada West Coast	Colombia East Coast	Vancouver	CARTAGENA	4364	NLR	
Canada West Coast	Colombia West Coast	Vancouver	BUENAVENTURA	NLR		
Canada West Coast	Venezuela	Vancouver	PUERTO CABELLO	4885	NLR	
Canada West Coast	Chile	Vancouver	VALPARAISO	NLR		
Canada West Coast	Brazil	Vancouver	RECIFE	7299	11690	CAPE HORN
Canada West Coast	Argentina	Vancouver	BUENOS AIRES	9524	8348	CAPE HORN
Canada West Coast	W. South America NEC	Vancouver	GUAYAQUIL	NLR	4337	DIRECT
Canada West Coast	E. South America NEC	Vancouver	MONTEVIDEO	9313	9199	CAPE HORN
Canada West Coast	North Europe	Vancouver	ROTTERDAM	8822	15345	SUEZ
Canada West Coast	Mediterranean Europe	Vancouver	GENOA	9193	13424	SUEZ
Canada West Coast	North Africa/East Med	Vancouver	TRIPOLI	10364	12357	SUEZ

MILEAGES

Origin	Destination	Port Origin	Port Destination	MILEAGES P CANAL (NLR=NOT LOGICAL ROUTE)	OTHER	Other Route
Mexico West Coast	Mediterranean Europe	Salina Cruz	NAPOLI	6522	13093	CAPE HORN
Mexico West Coast	Saudi Arabia	Salina Cruz	JIDDAH	8101	13040	CAPE HORN
Mexico West Coast	South Asia	Salina Cruz	CALCUTTA	12167	11097	DIRECT
Mexico West Coast	Singapore	Salina Cruz	SINGAPORE	12490	9362	DIRECT
Mexico West Coast	Hong Kong	Salina Cruz	HONG KONG	13958	8019	DIRECT
Mexico West Coast	West Africa	Salina Cruz	LAGOS	6350	10263	CAPE HORN
Mexico West Coast	East Africa	Salina Cruz	MOMBASA	9276	11942	CAPE HORN
Mexico West Coast	South Africa	Salina Cruz	CAPE TOWN	7638	9834	CAPE HORN
Mexico West Coast	Japan	Salina Cruz	TOKYO	15476	6527	DIRECT
Mexico West Coast	Australia East Coast	Salina Cruz	SYDNEY	14586	8948	DIRECT
Mexico West Coast	Australia West Coast	Salina Cruz	FREMANTLE	12633	8948	DIRECT
Mexico West Coast	Other Oceania	Salina Cruz	WELLINGTON	14707	6023	DIRECT
Carib./Cent. America EC	U.S. East Coast	Kingston	NEW YORK	NLR		
Carib./Cent. America EC	U.S. Gulf Coast	Kingston	NEW ORLEANS	NLR		
Carib./Cent. America EC	U.S. West Coast	Kingston	SAN FRANCISCO	3873	NLR	
Carib./Cent. America EC	Canada East Coast	Kingston	MONTREAL	NLR		
Carib./Cent. America EC	Canada West Coast	Kingston	VANCOUVER	4633	NLR	
Carib./Cent. America EC	Carib./Cent. America WC	Kingston	BALBOA	589	NLR	
Carib./Cent. America EC	Mexico West Coast	Kingston	SALINA CRUZ	1756	NLR	
Carib./Cent. America EC	Colombia West Coast	Kingston	BUENAVENTURA	943	NLR	
Carib./Cent. America EC	W. South America NEC	Kingston	CALLAO	1944	NLR	
Carib./Cent. America EC	Chile	Kingston	VALPARAISO	3194	8024	CAPE HORN
Carib./Cent. America EC	North Europe	Kingston	ROTTERDAM	NLR		
Carib./Cent. America EC	Mediterranean Europe	Kingston	NAPOLI	NLR		
Carib./Cent. America EC	Saudi Arabia	Kingston	JIDDAH	NLR	6537	DIRECT
Carib./Cent. America EC	South Asia	Kingston	CALCUTTA	12195	10561	SUEZ
Carib./Cent. America EC	Singapore	Kingston	SINGAPORE	11157	10886	SUEZ
Carib./Cent. America EC	Hong Kong	Kingston	HONG KONG	9789	12343	SUEZ
Carib./Cent. America EC	Japan	Kingston	YOKOHAMA	8679	13173	SUEZ
Carib./Cent. America EC	Australia East Coast	Kingston	SYDNEY	8268	13182	CAPE HOPE
Carib./Cent. America EC	Australia West Coast	Kingston	FREMANTLE	10029	11229	CAPE HOPE
Carib./Cent. America EC	Other Oceania	Kingston	WELLINGTON	7099	13303	CAPE HOPE
Carib./Cent. America EC	West Africa	Kingston	LAGOS	NLR	4800	DIRECT
Carib./Cent. America EC	East Africa	Kingston	MOMBASA	NLR	8722	DIRECT
Carib./Cent. America EC	South Africa	Kingston	CAPE TOWN	NLR	6278	DIRECT
Carib./Cent. America WC	U.S. East Coast	Balboa	NEW YORK	2110	NLR	
Carib./Cent. America WC	U.S. Gulf Coast	Balboa	NEW ORLEANS	1447	NLR	
Carib./Cent. America WC	U.S. West Coast	Balboa	SAN FRANCISCO	NLR		
Carib./Cent. America WC	Canada East Coast	Balboa	MONTREAL	3162	NLR	
Carib./Cent. America WC	Canada West Coast	Balboa	VANCOUVER	NLR		
Carib./Cent. America WC	Carib./Cent. America EC	Balboa	KINGSTON	589	NLR	
Carib./Cent. America WC	Colombia East Coast	Balboa	CARTAGENA	319	NLR	
Carib./Cent. America WC	Venezuela	Balboa	LA GUAIRA	879	NLR	
Carib./Cent. America WC	Brazil	Balboa	RECIFE	3117	NLR	
Carib./Cent. America WC	E. South America NEC	Balboa	MONTEVIDEO	5274	5758	CAPE HORN
Carib./Cent. America WC	North Europe	Balboa	ROTTERDAM	4840	11760	CAPE HORN
Carib./Cent. America WC	Mediterranean Europe	Balboa	NAPOLI	5353	NLR	
Carib./Cent. America WC	Saudi Arabia	Balboa	JIDDAH	6975	NLR	
Carib./Cent. America WC	South Asia	Balboa	CALCUTTA	10978	10568	DIRECT

MILEAGES

Origin	Destination	Port Origin	Port Destination	MILEAGES P CANAL (NLR=NOT LOGICAL ROUTE)	OTHER	Other Route
Colombia West Coast	Hong Kong	Buenaventura	HONG KONG	13139	9902	DIRECT
Colombia West Coast	Japan	Buenaventura	TOKYO	14657	8050	DIRECT
Colombia West Coast	Australia East Coast	Buenaventura	SYDNEY	13767	8609	DIRECT
Colombia West Coast	Australia West Coast	Buenaventura	FREMANTLE	11814	10471	DIRECT
Colombia West Coast	Other Oceania	Buenaventura	WELLINGTON	13888	7546	DIRECT
Colombia West Coast	West Africa	Buenaventura	LAGOS	5416	NLR	
Colombia West Coast	East Africa	Buenaventura	MOMBASA	9350	10824	CAPE HORN
Colombia West Coast	South Africa	Buenaventura	CAPE TOWN	6863	8321	CAPE HORN
Venezuela	U.S. East Coast	La Guaira	NEW YORK	NLR		
Venezuela	U.S. Gulf Coast	La Guaira	NEW ORLEANS	NLR		
Venezuela	U.S. West Coast	La Guaira	SAN FRANCISCO	4133	NLR	
Venezuela	Canada East Coast	La Guaira	MONTREAL	NLR		
Venezuela	Canada West Coast	La Guaira	VANCOUVER	4913	NLR	
Venezuela	North Europe	La Guaira	ROTTERDAM	NLR		
Venezuela	Mediterranean Europe	La Guaira	NAPOLI	NLR		
Venezuela	Japan	La Guaira	YOKOHAMA	8659	13372	SUEZ
Venezuela	Australia East Coast	La Guaira	SYDNEY	8620	12531	CAPE HOPE
Venezuela	Australia West Coast	La Guaira	FREMANTLE	10994	10461	CAPE HOPE
Venezuela	Other Oceania	La Guaira	WELLINGTON	7379	12652	CAPE HOPE
Chile	U.S. East Coast	Valparaiso	NEW YORK	4638	8346	CAPE HORN
Chile	U.S. Gulf Coast	Valparaiso	NEW ORLEANS	4038	9037	CAPE HORN
Chile	U.S. West Coast	Valparaiso	SAN FRANCIACO	NLR		
Chile	Canada East Coast	Valparaiso	MONTREAL	5913	9274	CAPE HORN
Chile	Canada West Coast	Valparaiso	VANCOUVER	NLR		
Chile	North Europe	Valparaiso	ROTTERDAM	7416	9071	CAPE HORN
Chile	Mediterranean Europe	Valparaiso	GENOA	7787	8803	CAPE HORN
Chile	Japan	Valparaiso	TOKYO	16918	9298	DIRECT
Chile	Australia East Coast	Valparaiso	SYDNEY	17215	6257	DIRECT
Chile	Australia West Coast	Valparaiso	FREMANTLE	15236	7827	DIRECT
Chile	Other Oceania	Valparaiso	WELLINGTON	18129	5036	DIRECT
Brazil	U.S. East Coast	Rio de Janeiro	NEW YORK	NLR		
Brazil	U.S. Gulf Coast	Rio de Janeiro	NEW ORLEANS	NLR	5280	DIRECT
Brazil	U.S. West Coast	RECIFE	SAN FRANCISCO	6505	9821	CAPE HORN
Brazil	Canada East Coast	RECIFE	MONTREAL	NLR		
Brazil	Canada West Coast	RECIFE	VANCOUVER	7299	10601	CAPE HORN
Brazil	North Europe	RECIFE	ROTTERDAM	NLR		
Brazil	Mediterranean Europe	RECIFE	NAPOLI	NLR		
Brazil	Japan	RECIFE	TOKYO	10961	11648	CAPE HORN
Brazil	Australia East Coast	RECIFE	SYDNEY	11250	10222	CAPE HORN
Brazil	Australia West Coast	RECIFE	FREMANTLE	13382	8269	CAPE HOPE
Brazil	Other Oceania	RECIFE	WELLINGTON	10457	7891	CAPE HOPE
Argentina	U.S. East Coast	Buenos Aires	NEW YORK	NLR	5841	DIRECT
Argentina	U.S. Gulf Coast	Buenos Aires	NEW ORLEANS	NLR	6201	DIRECT
Argentina	U.S. West Coast	Buenos Aires	SAN FRANCISCO	8778	8633	CAPE HORN
Argentina	Canada East Coast	Buenos Aires	MONTREAL	8577	6474	DIRECT
Argentina	Canada West Coast	Buenos Aires	VANCOUVER	9553	9433	CAPE HORN
Argentina	North Europe	Buenos Aires	ROTTERDAM	NLR	6341	DIRECT
Argentina	Mediterranean Europe	Buenos Aires	NAPOLI	NLR	6271	DIRECT
Argentina	Japan	Buenos Aires	TOKYO	13228	12033	CAPE HORN

MILEAGES

Origin	Destination	Port Origin	Port Destination	MILEAGES P CANAL (NLR=NOT LOGICAL ROUTE)	OTHER	Other Route
North Europe	Other Far East Asia	Rotterdam	HONG KONG	14365	9745	SUEZ
North Europe	Japan	Rotterdam	TOKYO	21920	11200	SUEZ
North Europe	Australia East Coast	Rotterdam	SYDNEY	13920	11571	SUEZ
North Europe	Australia West Coast	Rotterdam	FREMANTLE	15984	9590	SUEZ
North Europe	Other Oceania	Rotterdam	WELLINGTON	11340	12476	SUEZ
North Europe	West Africa	Rotterdam	LAGOS	NLR		
North Europe	East Africa	Rotterdam	MOMBASA	NLR		
North Europe	South Africa	Rotterdam	CAPE TOWN	NLR		
Mediterranean Europe	U.S. East Coast	Napoli	NEW YORK	NLR		
Mediterranean Europe	U.S. Gulf Coast	Napoli	NEW ORLEANS	NLR		
Mediterranean Europe	U.S. West Coast	Napoli	SAN FRANCISCO	8598	14904	CAPE HORN
Mediterranean Europe	Canada East Coast	Napoli	MONTREAL	NLR		
Mediterranean Europe	Canada West Coast	Napoli	VANCOUVER	9398	15704	CAPE HORN
Mediterranean Europe	Mexico East Coast	Napoli	TAMPICO	NLR		
Mediterranean Europe	Mexico West Coast	Napoli	SALINA CRUZ	6522	12187	CAPE HORN
Mediterranean Europe	Carib./Cent. America EC	Napoli	KINGSTON	NLR		
Mediterranean Europe	Carib./Cent. America WC	Napoli	BALBOA	5353	11686	CAPE HORN
Mediterranean Europe	Colombia East Coast	Napoli	CARTAGENA	NLR		
Mediterranean Europe	Colombia West Coast	Napoli	BUENAVENTURA	5707	11305	CAPE HORN
Mediterranean Europe	Venezuela	Napoli	LA GUAIRA	NLR		
Mediterranean Europe	Chile	Napoli	VAPARAISO	7958	9299	CAPE HORN
Mediterranean Europe	Brazil	Napoli	RECIFE	NLR		
Mediterranean Europe	Argentina	Napoli	BUENOS AIRES	NLR		
Mediterranean Europe	W. South America NEC	Napoli	CALLAO	6698	8314	CAPE HORN
Mediterranean Europe	E. South America NEC	Napoli	MONTEVIDEO	NLR		
Mediterranean Europe	North Africa/East Med	Napoli	NAPOLI	NLR		
Mediterranean Europe	Saudi Arabia	Napoli	JIDDAH	NLR		
Mediterranean Europe	Other Middle East	Napoli	KUWAIT	NLR		
Mediterranean Europe	South Asia	Napoli	CALCUTTA	17580	5980	SUEZ
Mediterranean Europe	Thailand	Napoli	BANGKOK	16741	5021	SUEZ
Mediterranean Europe	Southeast Asia NEC	Napoli	MANILA	14829	7647	SUEZ
Mediterranean Europe	Singapore	Napoli	SINGAPORE	15940	5221	SUEZ
Mediterranean Europe	Other Far East Asia	Napoli	SHANGHAI	14401	8827	SUEZ
Mediterranean Europe	Japan	Napoli	TOKYO	13476	9289	SUEZ
Mediterranean Europe	Australia East Coast	Napoli	SYDNEY	14476	9586	SUEZ
Mediterranean Europe	Australia West Coast	Napoli	FREMANTLE	16540	7607	SUEZ
Mediterranean Europe	Other Oceania	Napoli	WELLINGTON	14174	10500	SUEZ
Mediterranean Europe	West Africa	Napoli	LAGOS	NLR		
Mediterranean Europe	East Africa	Napoli	MOMBASA	NLR		
Mediterranean Europe	South Africa	Napoli	CAPE TOWN	NLR		
North Africa/East Med	U.S. East Coast	Port Said	NEW YORK	NLR		
North Africa/East Med	U.S. Gulf Coast	Port Said	NEW ORLEANS	NLR		
North Africa/East Med	U.S. West Coast	Port Said	SAN FRANCISCO	9529	NLR	
North Africa/East Med	Canada East Coast	Port Said	MONTREAL	NLR		
North Africa/East Med	Canada West Coast	Port Said	VANCOUVER	10323	NLR	
North Africa/East Med	North Europe	Port Said	ROTTERDAM	NLR		
North Africa/East Med	Mediterranean Europe	Port Said	NAPOLI	NLR		
North Africa/East Med	Japan	Port Said	TOKYO	14394	8012	SUEZ
North Africa/East Med	Australia East Coast	Port Said	SYDNEY	15394	8309	SUEZ

MILEAGES

Origin	Destination	Port Origin	Port Destination	MILEAGES P CANAL (NLR=NOT ROUTE)	OTHER LOGICAL	Other Route
Thailand	Other Oceania	Bangkok	WELLINGTON	NLR		
Southeast Asia NEC	U.S. East Coast	Manila	NEW YORK	11374	11502	SUEZ
Southeast Asia NEC	U.S. Gulf Coast	Manila	NEW ORLEANS	10780	13990	CAPE HOPE
Southeast Asia NEC	U.S. West Coast	Manila	SAN FRANCISCO	16455	6220	DIRECT
Southeast Asia NEC	Canada East Coast	Manila	MONTREAL	12750	11544	SUEZ
Southeast Asia NEC	Canada West Coast	Manila	VANCOUVER	17330	6075	DIRECT
Southeast Asia NEC	North Europe	Manila	ROTTERDAM	14296	9632	SUEZ
Southeast Asia NEC	Mediterranean Europe	Manila	NAPOLI	14829	7465	DIRECT
Southeast Asia NEC	Japan	Manila	YOKOHAMA	NLR		
Southeast Asia NEC	Australia East Coast	Manila	BRISBANE	NLR	3550	DIRECT
Southeast Asia NEC	Australia West Coast	Manila	ALBANY	NLR	3281	DIRECT
Southeast Asia NEC	Other Oceania	Manila	WELLINGTON	NLR	4875	DIRECT
Singapore	U.S. East Coast	Singapore	NEW YORK	12614	10619	SUEZ
Singapore	U.S. Gulf Coast	Singapore	NEW ORLEANS	11898	11497	SUEZ
Singapore	U.S. West Coast	Singapore	SAN FRANCISCO	14563	7350	DIRECT
Singapore	Canada East Coast	Singapore	MONTREAL	13666	10214	SUEZ
Singapore	Canada West Coast	Singapore	VANCOUVER	15338	7150	DIRECT
Singapore	Saudi Arabia	Singapore	JIDDAH	NLR	4338	DIRECT
Singapore	North Europe	Singapore	ROTTERDAM	15296	8354	SUEZ
Singapore	Mediterranean Europe	Singapore	GENOA	13667	6433	SUEZ
Singapore	Japan	Singapore	TOKYO	NLR	2888	DIRECT
Singapore	Australia East Coast	Singapore	BRISBANE	NLR	3825	DIRECT
Singapore	Australia West Coast	Singapore	ALBANY	NLR	1636	DIRECT
Singapore	West Africa	Singapore	LAGOS	NLR	8205	CAPE HOPE
Singapore	East Africa	Singapore	MOMBASA	NLR	3990	DIRECT
Singapore	South Africa	Singapore	CAPE TOWN	NLR	5650	DIRECT
Singapore	Other Oceania	Singapore	WELLINGTON	NLR	5145	DIRECT
Other Far East Asia	U.S. East Coast	Hong Kong	NEW YORK	11215	11626	SUEZ
Other Far East Asia	U.S. Gulf Coast	Hong Kong	NEW ORLEANS	10630	12971	SUEZ
Other Far East Asia	U.S. West Coast	Hong Kong	SAN FRANCISCO	16031	6520	DIRECT
Other Far East Asia	Canada East Coast	Hong Kong	MONTREAL	12356	11570	SUEZ
Other Far East Asia	Canada West Coast	Hong Kong	VANCOUVER	16783	5850	DIRECT
Other Far East Asia	Saudi Arabia	Hong Kong	JIDDAH	NLR	5806	DIRECT
Other Far East Asia	North Europe	Hong Kong	LONDON	13964	9674	SUEZ
Other Far East Asia	Mediterranean Europe	Hong Kong	NAPOLI	14549	7771	SUEZ
Other Far East Asia	Japan	Hong Kong	TOKYO	NLR	1585	DIRECT
Other Far East Asia	Australia East Coast	Hong Kong	BRISBANE	NLR	4080	DIRECT
Other Far East Asia	Australia West Coast	Hong Kong	ALBANY	NLR	3783	DIRECT
Other Far East Asia	Other Oceania	Hong Kong	WELLINGTON	NLR	5405	DIRECT
Other Far East Asia	West Africa	Hong Kong	LAGOS	NLR	9464	CAPE HOPE
Other Far East Asia	East Africa	Hong Kong	MOMBASA	NLR	5441	DIRECT
Other Far East Asia	South Africa	Hong Kong	CAPE TOWN	NLR	6909	DIRECT
Japan	U.S. East Coast	Yokohama	NEW YORK	9659	13025	SUEZ
Japan	U.S. Gulf Coast	Yokohama	NEW ORLEANS	9090	15777	CAPE HOPE
Japan	U.S. West Coast	Tokyo	SAN FRANCISCO	18097	4535	
Japan	Canada East Coast	Yokohama	QUEBEC	10738	12860	SUEZ
Japan	Canada West Coast	Tokyo	VANCOUVER	18324	4280	DIRECT
Japan	Mexico East Coast	Yokohama	TAMPICO	9160	14676	SUEZ
Japan	Mexico West Coast	Tokyo	SALINA CRUZ	15476	6527	DIRECT

MILEAGES

Origin	Destination	Port Origin	Port Destination	MILEAGES P CANAL (NLR=NOT LOGICAL ROUTE)	OTHER	Other Route
Australia East Coast	Thailand	Sydney	BANGKOK	NLR		
Australia East Coast	Southeast Asia NEC	Brisbane	MANILA	NLR		
Australia East Coast	Singapore	Brisbane	SINGAPORE	NLR	3825	DIRECT
Australia East Coast	Other Far East Asia	Port Kembla	HONG KONG	NLR		
Australia East Coast	Japan	Port Kembla	TOKYO	NLR		
Australia East Coast	Other Oceania	Sydney	WELLINGTON	NLR	1235	DIRECT
Australia East Coast	West Africa	Sydney	LAGOS	14127	6904	CAPE HOPE
Australia East Coast	East Africa	Sydney	MOMBASA	13849	6459	CAPE HOPE
Australia East Coast	South Africa	Sydney	CAPE TOWN	15612	6904	DIRECT
Australia West Coast	U.S. East Coast	Port Hedland	NEW YORK	12084	11306	SUEZ
Australia West Coast	U.S. Gulf Coast	Port Hedland	NEW ORLEANS	11515	12544	CAPE HORN
Australia West Coast	U.S. West Coast	Fremantle	SAN FRANCISCO	14706	8524	DIRECT
Australia West Coast	Canada East Coast	Port Hedland	QUEBEC	13163	12247	CAPE HOPE
Australia West Coast	Canada West Coast	Fremantle	VANCOUVER	15481	8902	DIRECT
Australia West Coast	Mexico East Coast	Fremantle	TAMPICO	10963	12443	CAPE HORN
Australia West Coast	Mexico West Coast	Fremantle	SALINA CRUZ	12633	8948	DIRECT
Australia West Coast	Carib./Cent. America EC	Fremantle	KINGSTON	10029	11229	CAPE HOPE
Australia West Coast	Carib./Cent. America WC	Fremantle	BALBOA	11460	9434	DIRECT
Australia West Coast	Colombia East Coast	Fremantle	PUERTO BOLIVAR	8401	13834	SUEZ
Australia West Coast	Colombia West Coast	Fremantle	BUENAVENTURA	11814	10471	DIRECT
Australia West Coast	Venezuela	Fremantle	LA GUAIRA	10994	10461	CAPE HOPE
Australia West Coast	Chile	Fremantle	VALPARAISO	15236	7827	DIRECT
Australia West Coast	Brazil	Port Hedland	RIO DE JAINERO	14358	10552	CAPE HORN
Australia West Coast	Argentina	Fremantle	BUENOS AIRES	14969	8509	CAPE HOPE
Australia West Coast	W. South America NEC	Fremantle	CALLAO	12806	8681	DIRECT
Australia West Coast	E. South America NEC	Fremantle	MONTEVIDEO	14708	10980	CAPE HORN
Australia West Coast	North Europe	Port Hedland	ROTTERDAM	14913	9527	SUEZ
Australia West Coast	Mediterranean Europe	Port Hedland	GENOA	15284	7606	SUEZ
Australia West Coast	North Africa/East Med	Fremantle	PORT SAID	17458	6330	SUEZ
Australia West Coast	Saudi Arabia	Fremantle	JIDDAH	18731	5622	DIRECT
Australia West Coast	Other Middle East	Fremantle	KUWAIT	21365	5502	DIRECT
Australia West Coast	South Asia	Fremantle	CALCUTTA	NLR	3685	DIRECT
Australia West Coast	Thailand	Fremantle	BANGKOK	NLR		
Australia West Coast	Southeast Asia NEC	Albany	MANILA	NLR	3000	DIRECT
Australia West Coast	Singapore	Albany	SINGAPORE	NLR	1636	DIRECT
Australia West Coast	Other Far East Asia	Albany	HONG KONG	NLR	3505	DIRECT
Australia West Coast	Japan	Fremantle	YOKOHAMA	NLR		
Australia West Coast	Other Oceania	Fremantle	WELLINGTON	NLR		
Australia West Coast	West Africa	Fremantle	LAGOS	16191	7267	CAPE HORN
Australia West Coast	East Africa	Fremantle	MOMBASA	NLR	4564	DIRECT
Australia West Coast	South Africa	Fremantle	CAPE TOWN	17676	4951	DIRECT
Other Oceania	U.S. East Coast	Wellington	NEW YORK	8525	13555	SUEZ
Other Oceania	U.S. Gulf Coast	Wellington	NEW ORLEANS	7938	15700	SUEZ
Other Oceania	U.S. West Coast	Wellington	SANTA BARBARA	16780	5900	DIRECT
Other Oceania	Canada East Coast	Wellington	MONTREAL	9802	14400	SUEZ
Other Oceania	Canada West Coast	Wellington	VICTORIA	17355	6385	DIRECT
Other Oceania	Mexico East Coast	Wellington	TAMPICO	8033	14517	CAPE HOPE
Other Oceania	Mexico West Coast	Wellington	SALINA CRUZ	14704	6023	DIRECT
Other Oceania	Carib./Cent. America EC	Wellington	KINGSTON	7099	13303	CAPE HOPE

MILEAGES

Origin	Destination	Port Origin	Port Destination	MILEAGES P CANAL (NLR=NOT LOGICAL ROUTE)	OTHER	Other Route
South Africa	U.S. Gulf Coast	Cape Town	NEW ORLEANS	NLR		
South Africa	U.S. West Coast	Cape Town	SAN FRANCISCO	9728	11195	CAPE HORN
South Africa	Canada East Coast	Cape Town	MONTREAL	NLR		
South Africa	Canada West Coast	Cape Town	VANCOUVER	10547	11975	CAPE HORN
South Africa	North Europe	Cape Town	ROTTERDAM	NLR		
South Africa	Mediterranean Europe	Cape Town	NAPOLI	NLR		
South Africa	Japan	Cape Town	TOKYO	14612	8338	DIRECT
South Africa	Australia East Coast	Cape Town	SYDNEY	15612	6904	DIRECT
South Africa	Australia West Coast	Cape Town	FREMANTLE	17676	4951	DIRECT
South Africa	Other Oceania	Cape Town	WELLINGTON	15310	7025	DIRECT

FINAL REPORT

COMMODITY AND TRAFFIC PROJECTIONS STUDY

VOLUME IV

TRANSIT PROJECTIONS

To:

The Commission for the Study of Alternatives

to the Panama Canal

Prepared by:

The WEFA Group

Richardson Lawrie Associates

BST Associates

May 7, 1993

THE WEFA GROUP

May 7, 1993

Mr. Joseph A. Byrne
Executive Director
Commission for the Study of Alternatives to the Panama Canal
P. O. Box 2094
Balboa, Ancon Panama
Republic of Panama

Dear Mr. Byrne:

WEFA is pleased to submit this Final Report of the Commodity and Traffic Projections Component Study. The report is contained in four volumes.

- Volume 1 contains the main text of the report and is complete in itself, covering every element of the project and summarizing the results.
- Volume 2 contains the maritime transportation cost for each Panama route and the least cost alternative route and the approach that we used in determining these costs.
- Volume 3 presents the Panama Canal commodity flow projections. It includes the base-year (1990) bilateral and potential trade analysis, the world economic outlook, the forecasts of bilateral and potential trade, and the route by route commodity flows for each Panama Canal Alternative. Finally, this volume contains the tables for allocation of commodities to ship cargoes.
- Volume 4 provides the Panama Canal vessel transit projections by ship type and size range for each route and for each Canal Alternative.

Sincerely yours,

Bradley W. Perry, Ph.D.
Senior Vice President
Consulting Services

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BALLAST AND LADEN FORECAST SUMMARY

1990 Vessel Transits
Laden Estimates

NORTHBOUND		0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Container-Breakbulk	Transits	47	453	52	0	552
	Average DWT	7684	17967	41597	0	19318
Dry Bulk Carriers	Transits	62	756	257	61	1136
	Average DWT	5275	29111	50742	68820	34822
Chemical Tankers	Transits	62	69	12	0	143
	Average DWT	7710	27660	48605	0	20768
Full Container Ships	Transits	2	338	213	0	553
	Average DWT	5967	28625	46116	0	35280
General Cargo Ships	Transits	123	241	0	0	364
	Average DWT	4627	15486	0	0	11817
Liquid Gas Carriers	Transits	2	4	2	0	8
	Average DWT	8468	27949	44143	0	27127
Refrigerated Ships	Transits	705	414	0	0	1119
	Average DWT	7441	11771	0	0	9073
Roll-on Roll-off	Transits	50	32	8	0	90
	Average DWT	8434	23162	43319	0	16772
Oil Tankers	Transits	25	89	165	13	292
	Average DWT	4129	29670	57766	74582	45359
Vehicle Carriers	Transits	36	289	0	0	325
	Average DWT	8191	14285	0	0	13610
Passenger Ships	Transits	47	2	0	0	49
	Average DWT	4818	15643	0	0	5260
Total Ships		1161	2687	709	74	4631

1990 Vessel Transits
Laden Estimates

SOUTHBOUND		0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Container-Breakbulk	Transits	40	480	34	0	554
	Average DWT	7792	17831	42664	0	18630
Dry Bulk Carriers	Transits	74	835	527	176	1612
	Average DWT	5386	28379	54806	69177	40417
Chemical Tankers	Transits	86	201	14	0	301
	Average DWT	7376	30633	48545	0	24821
Full Container Ships	Transits	4	349	164	0	517
	Average DWT	3901	28332	50097	0	35047
General Cargo Ships	Transits	149	270	0	0	419
	Average DWT	4586	15302	0	0	11491
Liquid Gas Carriers	Transits	28	71	3	0	102
	Average DWT	4872	19608	45752	0	16332
Refrigerated Ships	Transits	334	264	0	0	598
	Average DWT	7659	11608	0	0	9403
Roll-on Roll-off	Transits	52	40	4	0	96
	Average DWT	7996	23700	43321	0	16011
Oil Tankers	Transits	54	172	132	11	369
	Average DWT	4387	30624	55231	71048	36792
Vehicle Carriers	Transits	3	122	0	0	125
	Average DWT	8666	16784	0	0	16589
Passenger Ships	Transits	97	2	0	0	99
	Average DWT	5379	15643	0	0	5586
Total Ships		921	2806	878	187	4792

1990 Vessel Transits
Ballast Estimates

		0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
NORTHBOUND						
Container-Breakbulk	Transits	1	10	3	0	14
	Average DWT	7792	17831	42664	0	22436
Dry Bulk Carriers	Transits	22	181	105	8	316
	Average DWT	5386	28379	54806	69177	36592
Chemical Tankers	Transits	13	20	3	0	36
	Average DWT	7376	30633	48545	0	23727
Full Container Ships	Transits	2	1	0	0	3
	Average DWT	3901	28332	0	0	12045
General Cargo Ships	Transits	41	31	0	0	72
	Average DWT	4586	15302	0	0	9200
Liquid Gas Carriers	Transits	21	43	4	0	68
	Average DWT	4872	19608	45752	0	16595
Refrigerated Ships	Transits	22	2	0	0	24
	Average DWT	7659	11608	0	0	7988
Roll-on Roll-off	Transits	9	7	0	0	16
	Average DWT	7996	23700	0	0	14866
Oil Tankers	Transits	22	96	32	8	158
	Average DWT	4387	30624	55231	71048	34001
Vehicle Carriers	Transits	0	1	0	0	1
	Average DWT	0	16784	0	0	16784
Passenger Ships	Transits	0	1	0	0	1
	Average DWT	0	15436	0	0	15436
Total Ships		153	392	147	16	708

1990 Vessel Transits
Ballast Estimates

		0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
SOUTHBOUND						
Container-Breakbulk	Transits	5	8	0	0	13
	Average DWT	7684	17967	0	0	14012
Dry Bulk Carriers	Transits	11	15	2	0	28
	Average DWT	5275	29111	50742	0	21292
Chemical Tankers	Transits	2	2	0	0	4
	Average DWT	7710	27660	0	0	17685
Full Container Ships	Transits	0	1	1	0	2
	Average DWT	0	28625	46116	0	37371
General Cargo Ships	Transits	24	30	0	0	54
	Average DWT	4627	15486	0	0	10660
Liquid Gas Carriers	Transits	1	0	0	0	1
	Average DWT	8468	27949	0	0	8468
Refrigerated Ships	Transits	356	142	0	0	498
	Average DWT	7441	11771	0	0	8675
Roll-on Roll-off	Transits	2	2	0	0	4
	Average DWT	8434	23162	0	0	15798
Oil Tankers	Transits	6	48	82	12	148
	Average DWT	4129	29670	57766	74582	47843
Vehicle Carriers	Transits	30	249	0	0	279
	Average DWT	8191	14285	0	0	13630
Passenger Ships	Transits	3	0	0	0	3
	Average DWT	4818	0	0	0	4818
Total Ships		437	497	85	12	1031

2020 Vessel Transits (STATUS QUO)
Laden Estimates

		0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
NORTHBOUND						
Container-Breakbulk	Transits	0	638	155	0	794
	Average DWT	0	24660	41690	0	27996
Dry Bulk Carriers	Transits	0	959	568	114	1642
	Average DWT	0	32000	53550	68745	41992
Chemical Tankers	Transits	121	122	23	0	266
	Average DWT	7520	31710	45250	0	21847
Full Container Ships	Transits	5	554	602	0	1160
	Average DWT	5510	28227	48080	0	38431
General Cargo Ships	Transits	142	277	0	0	420
	Average DWT	4650	22292	0	0	11817
Liquid Gas Carriers	Transits	4	4	1	0	10
	Average DWT	5270	18900	45120	0	16676
Refrigerated Ships	Transits	954	1246	0	0	2,200
	Average DWT	8620	13540	0	0	9073
Roll-on Roll-off	Transits	25	59	22	0	106
	Average DWT	8440	24118	44190	0	16772
Oil Tankers	Transits	41	75	60	10	185
	Average DWT	4310	31710	56670	73000	35898
Vehicle Carriers	Transits	36	407	0	0	443
	Average DWT	8290	14500	0	0	13610
Passenger Ships	Transits	147	6	0	0	154
	Average DWT	1540	4824	0	0	1678
Total Ships		1475	4349	1431	124	7379

2020 Vessel Transits (STATUS QUO)
Laden Estimates

		0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
SOUTHBOUND						
Container-Breakbulk	Transits	0	657	169	0	826
	Average DWT	7940	24583	41690	0	28085
Dry Bulk Carriers	Transits	0	892	918	154	1964
	Average DWT	0	32000	53550	68745	44948
Chemical Tankers	Transits	151	563	82	0	795
	Average DWT	7520	31710	45250	0	28521
Full Container Ships	Transits	7	594	619	0	1,220
	Average DWT	5510	27459	48080	0	37785
General Cargo Ships	Transits	163	310	0	0	473
	Average DWT	4650	22341	0	0	16239
Liquid Gas Carriers	Transits	54	142	14	0	211
	Average DWT	5270	18900	45120	0	17174
Refrigerated Ships	Transits	292	590	0	0	882
	Average DWT	8620	13540	0	0	11912
Roll-on Roll-off	Transits	77	71	10	0	157
	Average DWT	8440	23430	44190	0	17443
Oil Tankers	Transits	94	201	258	16	568
	Average DWT	4310	31710	56670	73000	39670
Vehicle Carriers	Transits	5	192	0	0	197
	Average DWT	8290	16493	0	0	16295
Passenger Ships	Transits	179	4	0	0	183
	Average DWT	2907	8581	0	0	3018
Total Ships		1023	4216	2070	170	7479

2020 Vessel Transits (STATUS QUO)
Ballast Estimates

		0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
NORTHBOUND						
Container-Breakbulk	Transits	0	14	15	0	29
	Average DWT	7940	24689	41690	0	33486
Dry Bulk Carriers	Transits	0	173	183	7	363
	Average DWT	0	32000	53550	68745	43543
Chemical Tankers	Transits	23	37	18	0	77
	Average DWT	7520	31710	45250	0	27655
Full Container Ships	Transits	4	1	0	0	5
	Average DWT	5510	32700	0	0	13277
General Cargo Ships	Transits	45	34	0	0	79
	Average DWT	4650	22000	0	0	12120
Liquid Gas Carriers	Transits	41	66	19	0	126
	Average DWT	5270	18900	45120	0	18479
Refrigerated Ships	Transits	19	4	0	0	24
	Average DWT	8620	13540	0	0	9548
Roll-on Roll-off	Transits	13	13	0	0	27
	Average DWT	8440	18908	0	0	13683
Oil Tankers	Transits	38	122	63	12	234
	Average DWT	4310	31710	56670	73000	35942
Vehicle Carriers	Transits	0	2	0	0	2
	Average DWT	0	14500	0	0	14500
Passenger Ships	Transits	2	0	0	0	2
	Average DWT	2907	0	0	0	2907
Total Ships		185	467	297	19	967

2020 Vessel Transits (STATUS QUO)
Ballast Estimates

		0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
SOUTHBOUND						
Container-Breakbulk	Transits	0	12	0	0	12
	Average DWT	0	24981	41690	0	24981
Dry Bulk Carriers	Transits	0	8	4	0	13
	Average DWT	0	32000	53550	0	39441
Chemical Tankers	Transits	4	0	0	0	4
	Average DWT	7520	0	45250	0	7520
Full Container Ships	Transits	0	2	3	0	4
	Average DWT	0	32700	48080	0	42599
General Cargo Ships	Transits	28	33	0	0	61
	Average DWT	4650	22000	0	0	14075
Liquid Gas Carriers	Transits	2	0	0	0	2
	Average DWT	5270	0	0	0	5270
Refrigerated Ships	Transits	482	427	0	0	909
	Average DWT	8620	13540	0	0	10933
Roll-on Roll-off	Transits	1	3	0	0	4
	Average DWT	8440	17280	0	0	15233
Oil Tankers	Transits	10	49	30	9	97
	Average DWT	4310	31710	56670	73000	40384
Vehicle Carriers	Transits	30	351	0	0	381
	Average DWT	8290	14500	0	0	14010
Passenger Ships	Transits	9	0	0	0	9
	Average DWT	1540	0	0	0	1540
Total Ships		566	886	37	9	1497

2060 Vessel Transits (STATUS QUO)
Laden Estimates

		0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
NORTHBOUND						
Container-Breakbulk	Transits	0	1104	185	0	1289
	Average DWT	0	24664	41810	0	27130
Dry Bulk Carriers	Transits	0	286	242	102	629
	Average DWT	0	36500	59275	68745	50464
Chemical Tankers	Transits	168	104	26	0	298
	Average DWT	7520	35120	50120	0	20812
Full Container Ships	Transits	0	497	594	0	1091
	Average DWT	0	29470	56000	0	43919
General Cargo Ships	Transits	204	477	0	0	681
	Average DWT	4750	22420	0	0	11817
Liquid Gas Carriers	Transits	10	3	1	0	14
	Average DWT	5270	18900	45120	0	10515
Refrigerated Ships	Transits	466	2033	0	0	2500
	Average DWT	9530	15320	0	0	9073
Roll-on Roll-off	Transits	43	105	34	0	182
	Average DWT	8440	23194	44190	0	16772
Oil Tankers	Transits	28	27	5	2	62
	Average DWT	4310	31710	56670	73000	22925
Vehicle Carriers	Transits	42	467	0	0	510
	Average DWT	8290	14500	0	0	13610
Passenger Ships	Transits	188	9	0	0	197
	Average DWT	1202	3472	0	0	1306
Total Ships		1149	5111	1087	104	7451

2060 Vessel Transits (STATUS QUO)
Laden Estimates

		0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
SOUTHBOUND						
Container-Breakbulk	Transits	0	818	221	0	1039
	Average DWT	8030	24533	41810	0	28205
Dry Bulk Carriers	Transits	0	596	884	497	1976
	Average DWT	0	36500	59275	68745	54801
Chemical Tankers	Transits	93	665	148	0	906
	Average DWT	7520	35120	50120	0	34721
Full Container Ships	Transits	0	528	653	0	1181
	Average DWT	0	29113	56000	0	43983
General Cargo Ships	Transits	285	428	0	0	713
	Average DWT	4750	22441	0	0	15365
Liquid Gas Carriers	Transits	37	45	8	0	91
	Average DWT	5270	18900	45120	0	15705
Refrigerated Ships	Transits	163	1275	0	0	1438
	Average DWT	9530	15320	0	0	14664
Roll-on Roll-off	Transits	152	70	1	0	223
	Average DWT	8440	17736	44190	0	11491
Oil Tankers	Transits	56	85	51	12	205
	Average DWT	4310	31710	56670	73000	33007
Vehicle Carriers	Transits	5	228	0	0	233
	Average DWT	8290	16392	0	0	16219
Passenger Ships	Transits	234	4	0	0	238
	Average DWT	2226	6960	0	0	2298
Total Ships		1025	4743	1966	509	8243

2060 Vessel Transits (STATUS QUO)
Ballast Estimates

		0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
NORTHBOUND						
Container-Breakbulk	Transits	0	17	19	0	37
	Average DWT	8030	24636	41810	0	33733
Dry Bulk Carriers	Transits	0	116	176	23	314
	Average DWT	0	36500	59275	68745	51569
Chemical Tankers	Transits	14	44	32	0	89
	Average DWT	7520	35120	50120	0	36070
Full Container Ships	Transits	0	1	0	0	1
	Average DWT	0	36400	0	0	36400
General Cargo Ships	Transits	78	47	0	0	126
	Average DWT	4750	22000	0	0	11250
Liquid Gas Carriers	Transits	28	21	11	0	60
	Average DWT	5270	18900	45120	0	17424
Refrigerated Ships	Transits	11	10	0	0	20
	Average DWT	9530	15320	0	0	12272
Roll-on Roll-off	Transits	26	21	0	0	47
	Average DWT	8440	17182	44190	0	12277
Oil Tankers	Transits	23	52	12	9	96
	Average DWT	4310	31710	56670	73000	32335
Vehicle Carriers	Transits	0	2	0	0	2
	Average DWT	8290	14500	0	0	14500
Passenger Ships	Transits	39	0	0	0	39
	Average DWT	2226	0	0	0	2226
Total Ships		219	330	251	31	831

2060 Vessel Transits (STATUS QUO)
Ballast Estimates

		0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
SOUTHBOUND						
Container-Breakbulk	Transits	0	21	0	0	21
	Average DWT	0	24989	0	0	24989
Dry Bulk Carriers	Transits	0	2	2	0	4
	Average DWT	0	36500	59275	0	46315
Chemical Tankers	Transits	5	0	0	0	5
	Average DWT	7520	0	0	0	7520
Full Container Ships	Transits	0	1	3	0	4
	Average DWT	0	36400	56000	0	49935
General Cargo Ships	Transits	40	57	0	0	97
	Average DWT	4750	22000	0	0	14923
Liquid Gas Carriers	Transits	5	0	0	0	5
	Average DWT	5270	0	0	0	5270
Refrigerated Ships	Transits	236	697	0	0	933
	Average DWT	9530	15320	0	0	13858
Roll-on Roll-off	Transits	2	7	0	0	8
	Average DWT	8440	17280	0	0	15460
Oil Tankers	Transits	7	18	2	2	29
	Average DWT	4310	31710	56670	73000	30372
Vehicle Carriers	Transits	35	403	0	0	438
	Average DWT	8290	14500	0	0	14000
Passenger Ships	Transits	12	0	0	0	12
	Average DWT	1202	0	0	0	1202
Total Ships		341	1206	7	2	1556

2020 Vessel Transits (150,000 DWT)
Laden Estimates

		0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 149,999	TOTAL
NORTHBOUND							
Container-Breakbulk	Transits	0	638	155	0	0	794
	Average DWT	0	24660	41690	0	0	27996
Dry Bulk Carriers	Transits	0	857	415	222	41	1535
	Average DWT	0	32000	53550	82120	134700	47808
Chemical Tankers	Transits	121	122	23	0	0	266
	Average DWT	7520	31710	45250	0	0	21847
Full Container Ships	Transits	5	526	418	177	0	1126
	Average DWT	5510	27907	48080	90000	0	45070
General Cargo Ships	Transits	142	277	0	0	0	420
	Average DWT	4650	22292	0	0	0	11817
Liquid Gas Carriers	Transits	4	4	1	0	0	10
	Average DWT	5270	18900	45120	0	0	16676
Refrigerated Ships	Transits	954	1246	0	0	0	2200
	Average DWT	8620	13540	0	0	0	9073
Roll-on Roll-off	Transits	25	59	22	0	0	106
	Average DWT	8440	24118	44190	0	0	16772
Oil Tankers	Transits	41	76	50	15	0	182
	Average DWT	4310	31710	56670	89730	0	37140
Vehicle Carriers	Transits	36	407	0	0	0	443
	Average DWT	8290	14500	0	0	0	13610
Passenger Ships	Transits	147	6	0	0	0	154
	Average DWT	1540	4824	0	0	0	1678
Total Cargo Ships		1475	4220	1084	414	41	7235

2020 Vessel Transits (150,000 DWT)
Laden Estimates

		0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 149,999	TOTAL
SOUTHBOUND							
Container-Breakbulk	Transits	0	657	169	0	0	826
	Average DWT	7940	24583	41690	0	0	28085
Dry Bulk Carriers	Transits	0	850	886	168	677	2581
	Average DWT	0	32000	53550	82120	134700	69361
Chemical Tankers	Transits	151	563	82	0	0	795
	Average DWT	7520	31710	45250	0	0	28521
Full Container Ships	Transits	7	533	406	169	0	1115
	Average DWT	5510	27217	48080	90000	0	44189
General Cargo Ships	Transits	163	310	0	0	0	473
	Average DWT	4650	22341	0	0	0	16239
Liquid Gas Carriers	Transits	54	142	14	0	0	211
	Average DWT	5270	18900	45120	0	0	17174
Refrigerated Ships	Transits	292	590	0	0	0	882
	Average DWT	8620	13540	0	0	0	11912
Roll-on Roll-off	Transits	77	71	10	0	0	157
	Average DWT	8440	23430	44190	0	0	17443
Oil Tankers	Transits	94	201	141	87	98	621
	Average DWT	4310	31710	56670	89730	149999	60066
Vehicle Carriers	Transits	5	192	0	0	0	197
	Average DWT	8290	16493	0	0	0	16295
Passenger Ships	Transits	179	4	0	0	0	183
	Average DWT	2907	8581	0	0	0	3018
Total Cargo Ships		1023	4113	1708	424	775	8047

2020 Vessel Transits (150,000 DWT)
Ballast Estimates

		0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 149,999	TOTAL
NORTHBOUND							
Container-Breakbulk	Transits	0	14	15	0	0	29
	Average DWT	7940	24689	41690	0	0	33486
Dry Bulk Carriers	Transits	0	173	177	8	31	389
	Average DWT	0	32000	53550	82120	134700	50801
Chemical Tankers	Transits	23	37	18	0	0	77
	Average DWT	7520	31710	45250	0	0	27655
Full Container Ships	Transits	4	1	0	0	0	5
	Average DWT	5510	27217	0	0	0	11999
General Cargo Ships	Transits	45	34	0	0	0	79
	Average DWT	4650	22000	0	0	0	12120
Liquid Gas Carriers	Transits	41	66	19	0	0	126
	Average DWT	5270	18900	45120	0	0	18479
Refrigerated Ships	Transits	19	4	0	0	0	24
	Average DWT	8620	13540	0	0	0	9548
Roll-on Roll-off	Transits	13	13	0	0	0	27
	Average DWT	8440	18908	0	0	0	13683
Oil Tankers	Transits	38	122	34	63	71	329
	Average DWT	4310	31710	56670	89730	149999	67911
Vehicle Carriers	Transits	0	2	0	0	0	2
	Average DWT	0	14500	0	0	0	14500
Passenger Ships	Transits	2	0	0	0	0	2
	Average DWT	2907	0	0	0	0	2907
Total Ships		185	467	263	71	102	1087

2020 Vessel Transits (150,000 DWT)
Ballast Estimates

		0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 149,999	TOTAL
SOUTHBOUND							
Container-Breakbulk	Transits	0	12	0	0	0	12
	Average DWT	0	24981	41690	0	0	24981
Dry Bulk Carriers	Transits	0	8	3	0	0	12
	Average DWT	0	32000	53550	0	0	37995
Chemical Tankers	Transits	4	0	0	0	0	4
	Average DWT	7520	0	45250	0	0	7520
Full Container Ships	Transits	0	2	2	0	0	4
	Average DWT	0	27907	48080	0	0	39132
General Cargo Ships	Transits	28	33	0	0	0	61
	Average DWT	4650	22000	0	0	0	14075
Liquid Gas Carriers	Transits	2	0	0	0	0	2
	Average DWT	5270	0	0	0	0	5270
Refrigerated Ships	Transits	482	427	0	0	0	909
	Average DWT	8620	13540	0	0	0	10933
Roll-on Roll-off	Transits	1	3	0	0	0	4
	Average DWT	8440	17280	0	0	0	15233
Oil Tankers	Transits	10	49	25	14	0	98
	Average DWT	4310	31710	56670	89730	0	43541
Vehicle Carriers	Transits	30	351	0	0	0	381
	Average DWT	8290	14500	0	0	0	14010
Passenger Ships	Transits	9	0	0	0	0	9
	Average DWT	1540	0	0	0	0	1540
Total Ships		566	886	30	14	0	1495

2060 Vessel Transits (150,000 DWT)
Laden Estimates

		0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 150,000	TOTAL
NORTHBOUND							
Container-Breakbulk	Transits	0	1175	254	0	0	1429
	Average DWT	0	24653	41810	0	0	27704
Dry Bulk Carriers	Transits	0	1059	706	316	24	2105
	Average DWT	0	36500	59275	68745	14475	53890
Chemical Tankers	Transits	183	150	34	0	0	367
	Average DWT	7520	35120	50120	0	0	22734
Full Container Ships	Transits	0	660	377	161	60	1258
	Average DWT	0	29146	56000	90000	148000	50630
General Cargo Ships	Transits	284	510	0	0	0	794
	Average DWT	4750	22427	0	0	0	11817
Liquid Gas Carriers	Transits	10	3	1	0	0	14
	Average DWT	5270	18900	45120	0	0	10515
Refrigerated Ships	Transits	564	2219	0	0	0	2783
	Average DWT	9530	15320	0	0	0	9073
Roll-on Roll-off	Transits	46	107	34	0	0	187
	Average DWT	8440	23126	44190	0	0	16772
Oil Tankers	Transits	52	51	24	7	0	134
	Average DWT	4310	31710	56670	89730	0	28595
Vehicle Carriers	Transits	42	469	0	0	0	511
	Average DWT	8290	14500	0	0	0	13610
Passenger Ships	Transits	188	9	0	0	0	197
	Average DWT	1202	3472	0	0	0	1306
Total Ships		1369	6412	1430	484	84	9779

2060 Vessel Transits (150,000 DWT)
Laden Estimates

		0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 150,000	TOTAL
SOUTHBOUND							
Container-Breakbulk	Transits	0	1196	285	0	0	1481
	Average DWT	0	24595	41810	0	0	27907
Dry Bulk Carriers	Transits	0	989	852	580	746	3168
	Average DWT	0	36500	59275	93685	140475	77606
Chemical Tankers	Transits	110	687	149	0	0	946
	Average DWT	7520	35120	50120	0	0	34252
Full Container Ships	Transits	0	723	365	162	63	1313
	Average DWT	0	27834	56000	90000	148000	49157
General Cargo Ships	Transits	327	579	0	0	0	906
	Average DWT	4750	22490	0	0	0	16082
Liquid Gas Carriers	Transits	37	78	8	0	0	123
	Average DWT	5270	18900	45120	0	0	16556
Refrigerated Ships	Transits	201	1292	0	0	0	1493
	Average DWT	9530	15320	0	0	0	14537
Roll-on Roll-off	Transits	152	130	17	0	0	299
	Average DWT	8840	22611	44190	0	0	16620
Oil Tankers	Transits	76	156	113	42	98	485
	Average DWT	4310	31710	56670	89730	149999	62217
Vehicle Carriers	Transits	5	229	0	0	0	234
	Average DWT	8290	16387	0	0	0	16215
Passenger Ships	Transits	234	4	0	0	0	238
	Average DWT	2226	6960	0	0	0	2298
Total Ships		1142	6063	1789	784	907	10686

2060 Vessel Transits (150,000 DWT)
Ballast Estimates

		0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 150,000	TOTAL
NORTHBOUND							
Container-Breakbulk	Transits	0	24	22	0	0	47
	Average DWT	0	24595	41810	0	0	32823
Dry Bulk Carriers	Transits	0	260	57	0	0	317
	Average DWT	0	36500	59275	0	0	40592
Chemical Tankers	Transits	17	68	32	0	0	117
	Average DWT	7520	35120	50120	0	0	35291
Full Container Ships	Transits	0	2	0	0	0	2
	Average DWT	0	27884	0	0	0	27884
General Cargo Ships	Transits	90	66	0	0	0	156
	Average DWT	4750	22490	0	0	0	12288
Liquid Gas Carriers	Transits	28	438	487	0	0	952
	Average DWT	5270	18900	45120	0	0	31903
Refrigerated Ships	Transits	13	10	0	0	0	23
	Average DWT	9530	15320	0	0	0	11991
Roll-on Roll-off	Transits	26	23	0	0	0	49
	Average DWT	8440	22611	0	0	0	15012
Oil Tankers	Transits	31	87	27	31	71	247
	Average DWT	4310	31710	56670	89730	149999	72311
Vehicle Carriers	Transits	0	2	0	0	0	2
	Average DWT	0	16387	0	0	0	16387
Passenger Ships	Transits	39	0	0	0	0	0
	Average DWT	2226	0	0	0	0	2226
Total Ships		244	981	625	31	71	1913

2060 Vessel Transits (150,000 DWT)
Ballast Estimates

		0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 150,000	TOTAL
SOUTHBOUND							
Container-Breakbulk	Transits	0	21	0	0	0	21
	Average DWT	0	24653	0	0	0	24653
Dry Bulk Carriers	Transits	0	21	5	0	0	26
	Average DWT	0	36500	59275	0	0	41198
Chemical Tankers	Transits	6	4	0	0	0	10
	Average DWT	7520	35120	0	0	0	19226
Full Container Ships	Transits	0	2	2	0	0	4
	Average DWT	0	29146	56000	0	0	41914
General Cargo Ships	Transits	55	63	0	0	0	119
	Average DWT	4750	22427	0	0	0	14188
Liquid Gas Carriers	Transits	5	0	0	0	0	5
	Average DWT	5270	0	0	0	0	5270
Refrigerated Ships	Transits	285	761	0	0	0	1046
	Average DWT	9530	15320	0	0	0	13743
Roll-on Roll-off	Transits	2	7	0	0	0	9
	Average DWT	8440	23126	0	0	0	19957
Oil Tankers	Transits	12	28	12	6	0	58
	Average DWT	4310	31710	56670	89730	0	37374
Vehicle Carriers	Transits	35	404	0	0	0	439
	Average DWT	8290	14500	0	0	0	14005
Passenger Ships	Transits	12	0	0	0	0	12
	Average DWT	1202	0	0	0	0	1202
Total Ships		412	1311	19	6	0	1749

2020 Vessel Transits (200,000 DWT)
Laden Estimates

		0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 149,999	150,000 TO 199,999	200,000 TO 250,000	TOTAL
NORTHBOUND									
Container-Breakbulk	Transits	0	638	155	0	0	0	0	794
	Average DWT	0	24660	41690	0	0	0	0	27996
Dry Bulk Carriers	Transits	0	859	415	222	20	29	0	1545
	Average DWT	0	32000	53550	82120	134700	172110	0	48984
Chemical Tankers	Transits	121	122	23	0	0	0	0	266
	Average DWT	7520	31710	45250	0	0	0	0	21847
Full Container Ships	Transits	5	526	418	177	0	0	0	1127
	Average DWT	5510	27907	48080	90000	0	0	0	45070
General Cargo Ships	Transits	142	277	0	0	0	0	0	420
	Average DWT	4650	22292	0	0	0	0	0	11817
Liquid Gas Carriers	Transits	4	4	1	0	0	0	0	10
	Average DWT	5270	18900	45120	0	0	0	0	16676
Refrigerated Ships	Transits	954	1246	0	0	0	0	0	2199
	Average DWT	8620	13540	0	0	0	0	0	9073
Roll-on Roll-off	Transits	25	59	22	0	0	0	0	106
	Average DWT	8440	24118	44190	0	0	0	0	16772
Oil Tankers	Transits	41	75	50	15	0	0	0	181
	Average DWT	4310	31710	56670	89730	0	0	0	37140
Vehicle Carriers	Transits	36	407	0	0	0	0	0	443
	Average DWT	8290	14500	0	0	0	0	0	13610
Passenger Ships	Transits	147	6	0	0	0	0	0	154
	Average DWT	1540	4824	0	0	0	0	0	1678
Total Ships		1475	4221	1084	414	20	29	0	7244

2020 Vessel Transits (200,000 DWT)
Laden Estimates

		0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 149,999	150,000 TO 199,999	200,000 TO 250,000	TOTAL
SOUTHBOUND									
Container-Breakbulk	Transits	0	657	169	0	0	0	0	826
	Average DWT	7940	24583	41690	0	0	0	0	28085
Dry Bulk Carriers	Transits	0	850	886	168	560	95	0	2559
	Average DWT	0	32000	53550	82120	134700	172100	0	70191
Chemical Tankers	Transits	151	563	82	0	0	0	0	795
	Average DWT	7520	31710	45250	0	0	0	0	28521
Full Container Ships	Transits	7	533	406	169	0	0	0	1115
	Average DWT	5510	27217	48080	90000	0	0	0	44189
General Cargo Ships	Transits	163	310	0	0	0	0	0	473
	Average DWT	4650	22341	0	0	0	0	0	16239
Liquid Gas Carriers	Transits	54	142	14	0	0	0	0	211
	Average DWT	5270	18900	45120	0	0	0	0	17174
Refrigerated Ships	Transits	292	590	0	0	0	0	0	882
	Average DWT	8620	13540	0	0	0	0	0	11912
Roll-on Roll-off	Transits	77	71	10	0	0	0	0	157
	Average DWT	8440	23430	44190	0	0	0	0	17443
Oil Tankers	Transits	94	201	141	87	0	76	0	599
	Average DWT	4310	31710	56670	89730	0	195000	0	62340
Vehicle Carriers	Transits	5	192	0	0	0	0	0	197
	Average DWT	8290	16493	0	0	0	0	0	16295
Passenger Ships	Transits	179	4	0	0	0	0	0	183
	Average DWT	2907	8581	0	0	0	0	0	3018
Total Ships		1023	4113	1708	424	560	171	0	7998

2020 Vessel Transits (200,000 DWT)
Ballast Estimates

		0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 149,999	150,000 TO 199,999	200,000 TO 250,000	TOTAL
NORTHBOUND									
Container-Breakbulk	Transits	0	14	15	0	0	0	0	29
	Average DWT	7940	24689	41690	0	0	0	0	33486
Dry Bulk Carriers	Transits	0	184	177	8	25	4	0	398
	Average DWT	0	32000	53550	82120	134700	172100	0	50510
Chemical Tankers	Transits	23	37	18	0	0	0	0	77
	Average DWT	7520	31710	45250	0	0	0	0	27655
Full Container Ships	Transits	4	1	0	0	0	0	0	5
	Average DWT	5510	27217	0	0	0	0	0	11999
General Cargo Ships	Transits	45	34	0	0	0	0	0	79
	Average DWT	4650	22000	0	0	0	0	0	12120
Liquid Gas Carriers	Transits	41	66	19	0	0	0	0	126
	Average DWT	5270	18900	45120	0	0	0	0	18479
Refrigerated Ships	Transits	19	4	0	0	0	0	0	24
	Average DWT	8620	13540	0	0	0	0	0	9548
Roll-on Roll-off	Transits	13	13	0	0	0	0	0	27
	Average DWT	8440	18908	0	0	0	0	0	13683
Oil Tankers	Transits	38	112	34	63	0	55	0	303
	Average DWT	4310	31710	56670	89730	0	195000	0	72939
Vehicle Carriers	Transits	0	2	0	0	0	0	0	2
	Average DWT	0	14500	0	0	0	0	0	14500
Passenger Ships	Transits	2	0	0	0	0	0	0	2
	Average DWT	2907	0	0	0	0	0	0	2907
Total Ships		185	468	263	71	25	60	0	1071

2020 Vessel Transits (200,000 DWT)
Ballast Estimates

		0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 149,999	150,000 TO 199,999	200,000 TO 250,000	TOTAL
SOUTHBOUND									
Container-Breakbulk	Transits	0	12	0	0	0	0	0	12
	Average DWT	0	24981	41690	0	0	0	0	24981
Dry Bulk Carriers	Transits	0	17	3	0	0	0	0	20
	Average DWT	0	32000	53550	0	0	0	0	35438
Chemical Tankers	Transits	4	0	0	0	0	0	0	4
	Average DWT	7520	0	45250	0	0	0	0	7520
Full Container Ships	Transits	0	2	2	0	0	0	0	4
	Average DWT	0	27907	48080	0	0	0	0	39132
General Cargo Ships	Transits	28	33	0	0	0	0	0	61
	Average DWT	4650	22000	0	0	0	0	0	14075
Liquid Gas Carriers	Transits	2	0	0	0	0	0	0	2
	Average DWT	5270	0	0	0	0	0	0	5270
Refrigerated Ships	Transits	482	427	0	0	0	0	0	909
	Average DWT	8620	13540	0	0	0	0	0	10933
Roll-on Roll-off	Transits	1	3	0	0	0	0	0	4
	Average DWT	8440	17280	0	0	0	0	0	15233
Oil Tankers	Transits	10	41	25	13	0	0	0	89
	Average DWT	4310	31710	56670	89730	0	0	0	44130
Vehicle Carriers	Transits	30	351	0	0	0	0	0	381
	Average DWT	8290	14500	0	0	0	0	0	14010
Passenger Ships	Transits	9	0	0	0	0	0	0	9
	Average DWT	1540	0	0	0	0	0	0	1540
Total Ships		566	886	30	13	0	0	0	1495

2060 Vessel Transits (200,000 DWT)
Laden Estimates

		0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 150,000	150,000 TO 199,999	TOTAL
NORTHBOUND								
Container-Breakbulk	Transits	0	1175	254	0	0	0	1429
	Average DWT	0	24653	41810	0	0	0	27704
Dry Bulk Carriers	Transits	0	1059	706	316	0	33	2114
	Average DWT	0	36500	59275	93685	0	172800	54764
Chemical Tankers	Transits	183	150	34	0	0	0	366
	Average DWT	7520	35120	50120	0	0	0	22734
Full Container Ships	Transits	0	660	377	161	60	0	1259
	Average DWT	0	29146	56000	90000	148000	0	50630
General Cargo Ships	Transits	284	510	0	0	0	0	794
	Average DWT	4750	22427	0	0	0	0	11817
Liquid Gas Carriers	Transits	10	3	1	0	0	0	14
	Average DWT	5270	18900	45120	0	0	0	10515
Refrigerated Ships	Transits	564	2219	0	0	0	0	2783
	Average DWT	9530	15320	0	0	0	0	9073
Roll-on Roll-off	Transits	46	107	34	0	0	0	187
	Average DWT	8440	23126	44190	0	0	0	16772
Oil Tankers	Transits	52	51	24	7	0	0	135
	Average DWT	4310	31710	56670	89730	0	0	28595
Vehicle Carriers	Transits	42	469	0	0	0	0	511
	Average DWT	8290	14500	0	0	0	0	13610
Passenger Ships	Transits	188	9	0	0	0	0	197
	Average DWT	1202	3472	0	0	0	0	1306
Total Ships		1369	6412	1430	484	60	33	9789

2060 Vessel Transits (200,000 DWT)
Laden Estimates

SOUTHBOUND		0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 150,000	150,000 TO 199,999	TOTAL
Container-Breakbulk	Transits	0	1196	285	0	0	0	1481
	Average DWT	0	24595	41810	0	0	0	27907
Dry Bulk Carriers	Transits	0	989	852	580	0	623	3044
	Average DWT	0	36500	59275	93685	140475	172800	81311
Chemical Tankers	Transits	110	687	149	0	0	0	946
	Average DWT	7520	35120	50120	0	0	0	34252
Full Container Ships	Transits	0	723	365	162	63	0	1314
	Average DWT	0	27834	56000	90000	148000	0	49157
General Cargo Ships	Transits	327	579	0	0	0	0	906
	Average DWT	4750	22490	0	0	0	0	16082
Liquid Gas Carriers	Transits	37	78	8	0	0	0	124
	Average DWT	5270	18900	45120	0	0	0	16556
Refrigerated Ships	Transits	201	1292	0	0	0	0	1493
	Average DWT	9530	15320	0	0	0	0	14537
Roll-on Roll-off	Transits	152	130	17	0	0	0	299
	Average DWT	8840	22611	44190	0	0	0	16620
Oil Tankers	Transits	76	156	113	42	0	76	462
	Average DWT	4310	31710	56670	89730	0	195000	65269
Vehicle Carriers	Transits	5	229	0	0	0	0	234
	Average DWT	8290	16387	0	0	0	0	16215
Passenger Ships	Transits	234	4	0	0	0	0	238
	Average DWT	2226	6960	0	0	0	0	2298
Total Ships		1142	6063	1789	784	63	698	10541

2060 Vessel Transits (200,000 DWT)
Ballast Estimates

		0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 150,000	150,000 TO 199,999	TOTAL
NORTHBOUND								
Container-Breakbulk	Transits	0	24	22	0	0	0	47
	Average DWT	0	24595	41810	0	0	0	32823
Dry Bulk Carriers	Transits	0	260	57	0	0	67	384
	Average DWT	0	36500	59275	0	0	172800	63693
Chemical Tankers	Transits	17	68	32	0	0	0	117
	Average DWT	7520	35120	50120	0	0	0	35291
Full Container Ships	Transits	0	2	0	0	0	0	2
	Average DWT	0	27884	0	0	0	0	27884
General Cargo Ships	Transits	90	66	0	0	0	0	156
	Average DWT	4750	22490	0	0	0	0	12288
Liquid Gas Carriers	Transits	28	438	487	0	0	0	952
	Average DWT	5270	18900	45120	0	0	0	31903
Refrigerated Ships	Transits	13	10	0	0	0	0	23
	Average DWT	9530	15320	0	0	0	0	11991
Roll-on Roll-off	Transits	26	23	0	0	0	0	49
	Average DWT	8440	22611	0	0	0	0	15012
Oil Tankers	Transits	31	87	27	31	0	55	231
	Average DWT	4310	31710	56670	89730	0	195000	77645
Vehicle Carriers	Transits	0	2	0	0	0	0	2
	Average DWT	0	16387	0	0	0	0	16387
Passenger Ships	Transits	39	0	0	0	0	0	39
	Average DWT	2226	0	0	0	0	0	2226
Total Ships		244	981	625	31	0	122	2003

2060 Vessel Transits (200,000 DWT)
Ballast Estimates

		0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 150,000	150,000 TO 199,999	TOTAL
SOUTHBOUND								
Container-Breakbulk	Transits	0	21	0	0	0	0	21
	Average DWT	0	24653	0	0	0	0	24653
Dry Bulk Carriers	Transits	0	21	5	0	0	0	26
	Average DWT	0	36500	59275	0	0	0	41198
Chemical Tankers	Transits	6	4	0	0	0	0	10
	Average DWT	7520	35120	0	0	0	0	19226
Full Container Ships	Transits	0	2	2	0	0	0	4
	Average DWT	0	29146	56000	0	0	0	41914
General Cargo Ships	Transits	55	63	0	0	0	0	119
	Average DWT	4750	22427	0	0	0	0	14188
Liquid Gas Carriers	Transits	5	0	0	0	0	0	5
	Average DWT	5270	0	0	0	0	0	5270
Refrigerated Ships	Transits	285	761	0	0	0	0	1,046
	Average DWT	9530	15320	0	0	0	0	13743
Roll-on Roll-off	Transits	2	7	0	0	0	0	9
	Average DWT	8440	23126	0	0	0	0	19957
Oil Tankers	Transits	12	28	12	6	0	0	58
	Average DWT	4310	31710	56670	89730	0	0	11923
Vehicle Carriers	Transits	35	404	0	0	0	0	439
	Average DWT	8290	14500	0	0	0	0	14005
Passenger Ships	Transits	12	0	0	0	0	0	12
	Average DWT	1202	0	0	0	0	0	1202
Total Ships		412	1311	19	6	0	0	1749

2020 Vessel Transits (250,000 DWT)
Laden Estimates

		0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 149,999	150,000 TO 199,999	200,000 TO 250,000	TOTAL
NORTHBOUND									
Container-Breakbulk	Transits	0	638	155	0	0	0	0	794
	Average DWT	0	24660	41690	0	0	0	0	27996
Dry Bulk Carriers	Transits	0	859	415	222	20	29	0	1545
	Average DWT	0	32000	53550	82120	134700	172110	0	48984
Chemical Tankers	Transits	121	122	23	0	0	0	0	266
	Average DWT	7520	31710	45250	0	0	0	0	21847
Full Container Ships	Transits	5	526	418	177	0	0	0	1127
	Average DWT	5510	27907	48080	90000	0	0	0	45070
General Cargo Ships	Transits	142	277	0	0	0	0	0	420
	Average DWT	4650	22292	0	0	0	0	0	11817
Liquid Gas Carriers	Transits	4	4	1	0	0	0	0	10
	Average DWT	5270	18900	45120	0	0	0	0	16676
Refrigerated Ships	Transits	954	1246	0	0	0	0	0	2199
	Average DWT	8620	13540	0	0	0	0	0	9073
Roll-on Roll-off	Transits	25	59	22	0	0	0	0	106
	Average DWT	8440	24118	44190	0	0	0	0	16772
Oil Tankers	Transits	41	75	50	15	0	0	0	181
	Average DWT	4310	31710	56670	89730	0	0	0	37140
Vehicle Carriers	Transits	36	407	0	0	0	0	0	443
	Average DWT	8290	14500	0	0	0	0	0	13610
Passenger Ships	Transits	147	6	0	0	0	0	0	154
	Average DWT	1540	4824	0	0	0	0	0	1678
Total Ships		1475	4221	1084	414	20	29	0	7244

2020 Vessel Transits (250,000 DWT)
Laden Estimates

		0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 149,999	150,000 TO 199,999	200,000 TO 250,000	TOTAL
SOUTHBOUND									
Container-Breakbulk	Transits	0	657	170	0	0	0	0	826
	Average DWT	7940	24583	41690	0	0	0	0	28085
Dry Bulk Carriers	Transits	0	850	886	168	560	92	38	2594
	Average DWT	0	32000	53550	82120	134700	172100	220620	72205
Chemical Tankers	Transits	151	563	82	0	0	0	0	795
	Average DWT	7520	31710	45250	0	0	0	0	28521
Full Container Ships	Transits	7	533	406	169	0	0	0	1115
	Average DWT	5510	27217	48080	90000	0	0	0	44189
General Cargo Ships	Transits	163	310	0	0	0	0	0	473
	Average DWT	4650	22341	0	0	0	0	0	16239
Liquid Gas Carriers	Transits	54	142	14	0	0	0	0	211
	Average DWT	5270	18900	45120	0	0	0	0	17174
Refrigerated Ships	Transits	292	590	0	0	0	0	0	882
	Average DWT	8620	13540	0	0	0	0	0	11912
Roll-on Roll-off	Transits	77	71	10	0	0	0	0	157
	Average DWT	8440	23430	44190	0	0	0	0	17443
Oil Tankers	Transits	94	201	141	87	0	0	62	585
	Average DWT	4310	31710	56670	89730	0	0	238000	63793
Vehicle Carriers	Transits	5	192	0	0	0	0	0	197
	Average DWT	8290	16493	0	0	0	0	0	16295
Passenger Ships	Transits	179	4	0	0	0	0	0	183
	Average DWT	2907	8581	0	0	0	0	0	3018
Total Ships		1023	4113	1708	424	560	92	100	8020

2020 Vessel Transits (250,000 DWT)
Ballast Estimates

		0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 149,999	150,000 TO 199,999	200,000 TO 250,000	TOTAL
NORTHBOUND									
Container-Breakbulk	Transits	0	14	15	0	0	0	0	29
	Average DWT	7940	24689	41690	0	0	0	0	33486
Dry Bulk Carriers	Transits	0	184	177	8	25	4	2	400
	Average DWT	0	32000	53550	82120	134700	172100	0	50239
Chemical Tankers	Transits	23	37	18	0	0	0	0	77
	Average DWT	7520	31710	45250	0	0	0	0	27655
Full Container Ships	Transits	4	1	0	0	0	0	0	5
	Average DWT	5510	27217	0	0	0	0	0	11999
General Cargo Ships	Transits	45	34	0	0	0	0	0	79
	Average DWT	4650	22000	0	0	0	0	0	12120
Liquid Gas Carriers	Transits	41	66	19	0	0	0	0	126
	Average DWT	5270	18900	45120	0	0	0	0	18479
Refrigerated Ships	Transits	19	4	0	0	0	0	0	24
	Average DWT	8620	13540	0	0	0	0	0	9548
Roll-on Roll-off	Transits	13	13	0	0	0	0	0	27
	Average DWT	8440	18908	0	0	0	0	0	13683
Oil Tankers	Transits	38	112	34	63	0	0	45	293
	Average DWT	4310	31710	56670	89730	0	0	238000	75315
Vehicle Carriers	Transits	0	2	0	0	0	0	0	2
	Average DWT	0	14500	0	0	0	0	0	14500
Passenger Ships	Transits	2	0	0	0	0	0	0	2
	Average DWT	2907	0	0	0	0	0	0	2907
Total Ships		185	468	263	71	25	4	47	1063

2020 Vessel Transits (250,000 DWT)
Ballast Estimates

		0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 149,999	150,000 TO 199,999	200,000 TO 250,000	TOTAL
SOUTHBOUND									
Container-Breakbulk	Transits	0	12	0	0	0	0	0	12
	Average DWT	0	24981	41690	0	0	0	0	24981
Dry Bulk Carriers	Transits	0	17	3	0	0	0	0	20
	Average DWT	0	32000	53550	0	0	0	0	35438
Chemical Tankers	Transits	4	0	0	0	0	0	0	4
	Average DWT	7520	0	45250	0	0	0	0	7520
Full Container Ships	Transits	0	2	2	0	0	0	0	4
	Average DWT	0	27907	48080	0	0	0	0	39132
General Cargo Ships	Transits	28	33	0	0	0	0	0	61
	Average DWT	4650	22000	0	0	0	0	0	14075
Liquid Gas Carriers	Transits	2	0	0	0	0	0	0	2
	Average DWT	5270	0	0	0	0	0	0	5270
Refrigerated Ships	Transits	482	427	0	0	0	0	0	909
	Average DWT	8620	13540	0	0	0	0	0	10933
Roll-on Roll-off	Transits	1	3	0	0	0	0	0	4
	Average DWT	8440	17280	0	0	0	0	0	15233
Oil Tankers	Transits	10	41	25	13	0	0	0	89
	Average DWT	4310	31710	56670	89730	0	0	0	44130
Vehicle Carriers	Transits	30	351	0	0	0	0	0	381
	Average DWT	8290	14500	0	0	0	0	0	14010
Passenger Ships	Transits	9	0	0	0	0	0	0	9
	Average DWT	1540	0	0	0	0	0	0	1540
Total Ships		566	886	30	13	0	0	0	1495

2060 Vessel Transits (250,000 DWT)
Laden Estimates

		0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 150,000	150,000 TO 199,999	200,000 TO 250,000	TOTAL
NORTHBOUND									
Container-Breakbulk	Transits	0	1175	254	0	0	0	0	1429
	Average DWT	0	24653	41810	0	0	0	0	27704
Dry Bulk Carriers	Transits	0	1059	706	316	0	33	10	2124
	Average DWT	0	36500	59275	93685	0	172800	221500	55589
Chemical Tankers	Transits	183	150	34	0	0	0	0	366
	Average DWT	7520	35120	50120	0	0	0	0	22734
Full Container Ships	Transits	0	660	377	161	60	0	0	1259
	Average DWT	0	29146	56000	90000	148000	0	0	50630
General Cargo Ships	Transits	284	510	0	0	0	0	0	794
	Average DWT	4750	22427	0	0	0	0	0	11817
Liquid Gas Carriers	Transits	10	3	1	0	0	0	0	14
	Average DWT	5270	18900	45120	0	0	0	0	10515
Refrigerated Ships	Transits	564	2219	0	0	0	0	0	2783
	Average DWT	9530	15320	0	0	0	0	0	9073
Roll-on Roll-off	Transits	46	107	34	0	0	0	0	186
	Average DWT	8440	23126	44190	0	0	0	0	16772
Oil Tankers	Transits	52	51	24	7	0	0	0	135
	Average DWT	4310	31710	56670	89730	0	0	0	28595
Vehicle Carriers	Transits	42	469	0	0	0	0	0	511
	Average DWT	8290	14500	0	0	0	0	0	13610
Passenger Ships	Transits	188	9	0	0	0	0	0	197
	Average DWT	1202	3472	0	0	0	0	0	1306
Total Ships		1369	6412	1430	484	60	33	10	9798

2060 Vessel Transits (250,000 DWT)
Laden Estimates

		0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 150,000	150,000 TO 199,999	200,000 TO 250,000	TOTAL
SOUTHBOUND									
Container-Breakbulk	Transits	0	1196	285	0	0	0	0	1481
	Average DWT	0	24595	41810	0	0	0	0	27907
Dry Bulk Carriers	Transits	0	989	852	580	0	606	76	3103
	Average DWT	0	36500	59275	93685	0	172800	220620	84214
Chemical Tankers	Transits	110	687	149	0	0	0	0	946
	Average DWT	7520	35120	50120	0	0	0	0	34252
Full Container Ships	Transits	0	723	365	162	63	0	0	1314
	Average DWT	0	27834	56000	90000	148000	0	0	49157
General Cargo Ships	Transits	327	579	0	0	0	0	0	906
	Average DWT	4750	22490	0	0	0	0	0	16082
Liquid Gas Carriers	Transits	37	78	8	0	0	0	0	124
	Average DWT	5270	18900	45120	0	0	0	0	16556
Refrigerated Ships	Transits	201	1292	0	0	0	0	0	1493
	Average DWT	9530	15320	0	0	0	0	0	14537
Roll-on Roll-off	Transits	152	130	17	0	0	0	0	299
	Average DWT	8840	22611	44190	0	0	0	0	16620
Oil Tankers	Transits	76	156	113	42	0	0	62	449
	Average DWT	4310	31710	56670	89730	0	0	238000	67256
Vehicle Carriers	Transits	5	229	0	0	0	0	0	234
	Average DWT	8290	16387	0	0	0	0	0	16215
Passenger Ships	Transits	234	4	0	0	0	0	0	238
	Average DWT	2226	6960	0	0	0	0	0	2298
Total Ships		1142	6063	1789	784	63	606	138	10587

2060 Vessel Transits (250,000 DWT)
Ballast Estimates

		0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 150,000	150,000 TO 199,999	200,000 TO 250,000	TOTAL
NORTHBOUND									
Container-Breakbulk	Transits	0	24	22	0	0	0	0	47
	Average DWT	0	24595	41810	0	0	0	0	32823
Dry Bulk Carriers	Transits	0	259	57	0	0	0	0	316
	Average DWT	0	36500	59275	0	0	0	0	33464
Chemical Tankers	Transits	17	68	32	0	0	0	0	117
	Average DWT	7520	35120	50120	0	0	0	0	35291
Full Container Ships	Transits	0	2	0	0	0	0	0	2
	Average DWT	0	27884	0	0	0	0	0	27884
General Cargo Ships	Transits	90	66	0	0	0	0	0	156
	Average DWT	4750	22490	0	0	0	0	0	12288
Liquid Gas Carriers	Transits	28	438	487	0	0	0	0	952
	Average DWT	5270	18900	45120	0	0	0	0	31903
Refrigerated Ships	Transits	13	10	0	0	0	0	0	23
	Average DWT	9530	15320	0	0	0	0	0	11991
Roll-on Roll-off	Transits	26	23	0	0	0	0	0	49
	Average DWT	8440	22611	0	0	0	0	0	15012
Oil Tankers	Transits	31	87	27	31	0	0	45	221
	Average DWT	4310	31710	56670	89730	0	0	238000	81090
Vehicle Carriers	Transits	0	2	0	0	0	0	0	2
	Average DWT	0	16387	0	0	0	0	0	16387
Passenger Ships	Transits	39	0	0	0	0	0	0	39
	Average DWT	2226	0	0	0	0	0	0	2226
Total Ships		244	980	625	31	0	0	45	1926

2060 Vessel Transits (250,000 DWT)
Ballast Estimates

		0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 150,000	150,000 TO 199,999	200,000 TO 250,000	TOTAL
SOUTHBOUND									
Container-Breakbulk	Transits	0	21	0	0	0	0	0	21
	Average DWT	0	24653	0	0	0	0	0	24653
Dry Bulk Carriers	Transits	0	21	5	0	0	0	0	26
	Average DWT	0	36500	59275	0	0	0	0	41198
Chemical Tankers	Transits	6	4	0	0	0	0	0	10
	Average DWT	7520	35120	0	0	0	0	0	19226
Full Container Ships	Transits	0	2	2	0	0	0	0	4
	Average DWT	0	29146	56000	0	0	0	0	41914
General Cargo Ships	Transits	55	63	0	0	0	0	0	119
	Average DWT	4750	22427	0	0	0	0	0	14188
Liquid Gas Carriers	Transits	5	0	0	0	0	0	0	5
	Average DWT	5270	0	0	0	0	0	0	5270
Refrigerated Ships	Transits	285	761	0	0	0	0	0	1,046
	Average DWT	9530	15320	0	0	0	0	0	13743
Roll-on Roll-off	Transits	2	7	0	0	0	0	0	9
	Average DWT	8440	23126	0	0	0	0	0	19957
Oil Tankers	Transits	12	28	12	6	0	0	0	58
	Average DWT	4310	31710	56670	89730	0	0	0	11923
Vehicle Carriers	Transits	35	404	0	0	0	0	0	439
	Average DWT	8290	14500	0	0	0	0	0	14005
Passenger Ships	Transits	12	0	0	0	0	0	0	12
	Average DWT	1202	0	0	0	0	0	0	1202
Total Ships		412	1311	19	6	0	0	0	1749

STATUS QUO 1990

1990 Vessel Transits

Laden Northbound

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Container-Breakbulk Ships							
TRANSITS	ASIA	AFRICA	0	0	0	0	0
CARGO TONS	ASIA	AFRICA	0	20	0	0	20
TRANSITS	ASIA	CANADA EAST COAST	1	0	0	0	1
CARGO TONS	ASIA	CANADA EAST COAST	1457	0	1529	0	2986
TRANSITS	ASIA	CENTRAL AMERICA E.C., W. INDIES	0	38	1	0	39
CARGO TONS	ASIA	CENTRAL AMERICA E.C., W. INDIES	0	302361	6054	0	308415
TRANSITS	ASIA	EUROPE	0	0	1	0	1
CARGO TONS	ASIA	EUROPE	0	1430	14159	0	15589
TRANSITS	ASIA	S. AMERICA E.C.	0	35	0	0	35
CARGO TONS	ASIA	S. AMERICA E.C.	0	168662	0	0	168662
TRANSITS	ASIA	U.S. EAST COAST	3	34	3	0	40
CARGO TONS	ASIA	U.S. EAST COAST	12662	408726	41761	0	463149
TRANSITS	C. AMERICA W.C.	AFRICA	2	2	0	0	5
CARGO TONS	C. AMERICA W.C.	AFRICA	5780	30547	0	0	36327
TRANSITS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	0	4	0	0	4
CARGO TONS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	0	45979	0	0	45979
TRANSITS	C. AMERICA W.C.	EUROPE	16	4	1	0	20
CARGO TONS	C. AMERICA W.C.	EUROPE	57778	11661	11448	0	80887
TRANSITS	C. AMERICA W.C.	S. AMERICA E.C.	0	2	0	0	2
CARGO TONS	C. AMERICA W.C.	S. AMERICA E.C.	1593	676	0	0	2269
TRANSITS	C. AMERICA W.C.	U.S. EAST COAST	1	3	0	0	4
CARGO TONS	C. AMERICA W.C.	U.S. EAST COAST	3524	10230	0	0	13754
TRANSITS	CANADA WEST COAST	AFRICA	0	2	0	0	2
CARGO TONS	CANADA WEST COAST	AFRICA	0	48818	3332	0	52150
TRANSITS	CANADA WEST COAST	EUROPE	1	9	13	0	24
CARGO TONS	CANADA WEST COAST	EUROPE	9126	222130	464471	0	695727

1990 Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Container-Breakbulk Ships (Cont.)							
TRANSITS	CANADA WEST COAST	S. AMERICA E.C.	0	7	0	0	7
CARGO TONS	CANADA WEST COAST	S. AMERICA E.C.	0	137656	0	0	137656
TRANSITS	CANADA WEST COAST	U.S. EAST COAST	0	2	0	0	2
CARGO TONS	CANADA WEST COAST	U.S. EAST COAST	0	53530	0	0	53530
TRANSITS	OCEANIA	AFRICA	0	1	0	0	1
CARGO TONS	OCEANIA	AFRICA	0	4051	0	0	4051
TRANSITS	OCEANIA	CANADA EAST COAST	0	0	2	0	2
CARGO TONS	OCEANIA	CANADA EAST COAST	0	0	32081	0	32081
TRANSITS	OCEANIA	CENTRAL AMERICA E.C., W. INDIES	0	10	0	0	10
CARGO TONS	OCEANIA	CENTRAL AMERICA E.C., W. INDIES	0	64378	0	0	64378
TRANSITS	OCEANIA	EUROPE	4	3	8	0	15
CARGO TONS	OCEANIA	EUROPE	34555	23051	158998	0	216604
TRANSITS	OCEANIA	MIDDLE EAST	0	0	0	0	0
CARGO TONS	OCEANIA	MIDDLE EAST	0	0	2465	0	2465
TRANSITS	OCEANIA	S. AMERICA E.C.	0	5	0	0	5
CARGO TONS	OCEANIA	S. AMERICA E.C.	0	46535	0	0	46535
TRANSITS	OCEANIA	U.S. EAST COAST	1	2	15	0	18
CARGO TONS	OCEANIA	U.S. EAST COAST	2195	38832	350675	0	391702
TRANSITS	S. AMERICA W.C.	AFRICA	2	1	0	0	2
CARGO TONS	S. AMERICA W.C.	AFRICA	5452	6989	0	0	12441
TRANSITS	S. AMERICA W.C.	CANADA EAST COAST	0	1	0	0	1
CARGO TONS	S. AMERICA W.C.	CANADA EAST COAST	0	969	0	0	969
TRANSITS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	0	9	0	0	9
CARGO TONS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	696	40143	0	0	40839
TRANSITS	S. AMERICA W.C.	EUROPE	7	114	1	0	122
CARGO TONS	S. AMERICA W.C.	EUROPE	24907	1251937	35725	0	1312569

1990 Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Container-Breakbulk Ships (Cont.)							
TRANSITS	S. AMERICA W.C.	S. AMERICA E.C.	1	11	0	0	12
CARGO TONS	S. AMERICA W.C.	S. AMERICA E.C.	2255	31146	0	0	33401
TRANSITS	S. AMERICA W.C.	U.S. EAST COAST	6	136	0	0	142
CARGO TONS	S. AMERICA W.C.	U.S. EAST COAST	7249	645230	0	0	652479
TRANSITS	U.S. W.C., HAWAII	AFRICA	0	1	2	0	3
CARGO TONS	U.S. W.C., HAWAII	AFRICA	0	10958	36865	0	47823
TRANSITS	U.S. W.C., HAWAII	CANADA EAST COAST	0	1	0	0	1
CARGO TONS	U.S. W.C., HAWAII	CANADA EAST COAST	0	24329	0	0	24329
TRANSITS	U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIES	0	5	0	0	5
CARGO TONS	U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIES	0	22370	0	0	22370
TRANSITS	U.S. W.C., HAWAII	EUROPE	1	8	6	0	15
CARGO TONS	U.S. W.C., HAWAII	EUROPE	5297	132543	197310	0	335150
TRANSITS	U.S. W.C., HAWAII	MIDDLE EAST	0	0	0	0	0
CARGO TONS	U.S. W.C., HAWAII	MIDDLE EAST	0	222	0	0	222
TRANSITS	U.S. W.C., HAWAII	S. AMERICA E.C.	0	2	0	0	2
CARGO TONS	U.S. W.C., HAWAII	S. AMERICA E.C.	0	36523	0	0	36523
TRANSITS	U.S. W.C., HAWAII	U.S. EAST COAST	0	0	0	0	0
CARGO TONS	U.S. W.C., HAWAII	U.S. EAST COAST	0	1097	514	0	1611
TRANSITS	TOTAL	TOTAL	47	453	52	0	552
CARGO TONS	TOTAL	TOTAL	174526	3823729	1357387	0	5355642

1990 Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Combined and Dry Bulk Carriers							
TRANSITS	ASIA	AFRICA	0	1	0	0	1
CARGO TONS	ASIA	AFRICA	0	101	0	0	101
TRANSITS	ASIA	CANADA EAST COAST	0	3	3	0	6
CARGO TONS	ASIA	CANADA EAST COAST	0	58616	94815	0	153431
TRANSITS	ASIA	CENTRAL AMERICA E.C., W. INDIE	0	23	1	0	24
CARGO TONS	ASIA	CENTRAL AMERICA E.C., W. INDIE	0	333797	6514	0	340311
TRANSITS	ASIA	EUROPE	0	2	2	0	4
CARGO TONS	ASIA	EUROPE	0	66	73981	0	74047
TRANSITS	ASIA	S. AMERICA E.C.	0	2	0	0	2
CARGO TONS	ASIA	S. AMERICA E.C.	0	54977	0	0	54977
TRANSITS	ASIA	U.S. EAST COAST	0	190	52	10	251
CARGO TONS	ASIA	U.S. EAST COAST	0	3593312	1571343	381164	5545819
TRANSITS	C. AMERICA W.C.	AFRICA	0	1	0	0	1
CARGO TONS	C. AMERICA W.C.	AFRICA	0	16961	1445	0	18406
TRANSITS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	6	14	1	0	21
CARGO TONS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	32916	308007	36482	0	377405
TRANSITS	C. AMERICA W.C.	EUROPE	0	8	2	0	10
CARGO TONS	C. AMERICA W.C.	EUROPE	0	165017	44690	0	209707
TRANSITS	C. AMERICA W.C.	S. AMERICA E.C.	5	5	0	0	10
CARGO TONS	C. AMERICA W.C.	S. AMERICA E.C.	15509	43846	0	0	59355
TRANSITS	C. AMERICA W.C.	U.S. EAST COAST	33	37	7	0	77
CARGO TONS	C. AMERICA W.C.	U.S. EAST COAST	112288	917439	232666	0	1262393
TRANSITS	CANADA WEST COAST	AFRICA	0	38	17	0	55
CARGO TONS	CANADA WEST COAST	AFRICA	0	1015232	651988	0	1667220
TRANSITS	CANADA WEST COAST	CENTRAL AMERICA E.C., W. INDIE	2	2	0	0	4
CARGO TONS	CANADA WEST COAST	CENTRAL AMERICA E.C., W. INDIE	9657	50496	0	0	60153

1990 Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Combined and Dry Bulk Carriers (Cont.)							
TRANSITS	CANADA WEST COAST	EUROPE	0	90	70	13	173
CARGO TONS	CANADA WEST COAST	EUROPE	0	2535693	2982829	756239	6274761
TRANSITS	CANADA WEST COAST	MIDDLE EAST	0	3	4	0	7
CARGO TONS	CANADA WEST COAST	MIDDLE EAST	0	109561	152264	0	261825
TRANSITS	CANADA WEST COAST	S. AMERICA E.C.	1	10	3	1	15
CARGO TONS	CANADA WEST COAST	S. AMERICA E.C.	8187	199633	115495	55538	378853
TRANSITS	CANADA WEST COAST	U.S. EAST COAST	0	25	0	0	25
CARGO TONS	CANADA WEST COAST	U.S. EAST COAST	0	563696	0	0	563696
TRANSITS	OCEANIA	AFRICA	0	1	0	0	1
CARGO TONS	OCEANIA	AFRICA	0	4532	0	0	4532
TRANSITS	OCEANIA	CANADA EAST COAST	0	16	0	0	16
CARGO TONS	OCEANIA	CANADA EAST COAST	0	417848	0	0	417848
TRANSITS	OCEANIA	CENTRAL AMERICA E.C., W. INDIE	0	9	0	0	9
CARGO TONS	OCEANIA	CENTRAL AMERICA E.C., W. INDIE	0	195684	0	0	195684
TRANSITS	OCEANIA	EUROPE	0	9	0	0	9
CARGO TONS	OCEANIA	EUROPE	0	175586	0	0	175586
TRANSITS	OCEANIA	S. AMERICA E.C.	0	0	4	6	10
CARGO TONS	OCEANIA	S. AMERICA E.C.	0	0	156382	323172	479554
TRANSITS	OCEANIA	U.S. EAST COAST	1	20	17	17	55
CARGO TONS	OCEANIA	U.S. EAST COAST	5610	479562	877226	945642	2308040
TRANSITS	S. AMERICA W.C.	AFRICA	0	2	1	0	3
CARGO TONS	S. AMERICA W.C.	AFRICA	0	20992	42602	0	63594
TRANSITS	S. AMERICA W.C.	CANADA EAST COAST	0	0	0	0	0
CARGO TONS	S. AMERICA W.C.	CANADA EAST COAST	0	5516	0	0	5516
TRANSITS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	0	5	0	0	5
CARGO TONS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	1181	61717	0	0	62898

1990 Vessel Transits

Ladon Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Combined and Dry Bulk Carriers (Cont.)							
TRANSITS	S. AMERICA W.C.	EUROPE	1	77	7	0	85
CARGO TONS	S. AMERICA W.C.	EUROPE	5206	1714455	282074	0	2001735
TRANSITS	S. AMERICA W.C.	MIDDLE EAST	0	1	0	0	1
CARGO TONS	S. AMERICA W.C.	MIDDLE EAST	0	4429	0	0	4429
TRANSITS	S. AMERICA W.C.	S. AMERICA E.C.	7	2	0	0	9
CARGO TONS	S. AMERICA W.C.	S. AMERICA E.C.	39446	41729	0	0	81175
TRANSITS	S. AMERICA W.C.	U.S. EAST COAST	6	67	3	0	76
CARGO TONS	S. AMERICA W.C.	U.S. EAST COAST	34136	1530339	146222	0	1710697
TRANSITS	U.S. W.C., HAWAII	AFRICA	0	24	16	1	41
CARGO TONS	U.S. W.C., HAWAII	AFRICA	0	556804	707021	51666	1315491
TRANSITS	U.S. W.C., HAWAII	CANADA EAST COAST	0	5	0	0	5
CARGO TONS	U.S. W.C., HAWAII	CANADA EAST COAST	0	112773	15746	0	128519
TRANSITS	U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIE	0	1	0	0	1
CARGO TONS	U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIE	0	21625	0	0	21625
TRANSITS	U.S. W.C., HAWAII	EUROPE	0	43	45	13	101
CARGO TONS	U.S. W.C., HAWAII	EUROPE	0	1097510	2026236	685998	3809744
TRANSITS	U.S. W.C., HAWAII	S. AMERICA E.C.	0	13	0	0	13
CARGO TONS	U.S. W.C., HAWAII	S. AMERICA E.C.	0	200337	0	0	200337
TRANSITS	U.S. W.C., HAWAII	U.S. EAST COAST	0	6	1	0	7
CARGO TONS	U.S. W.C., HAWAII	U.S. EAST COAST	0	156902	9552	0	166454
TRANSITS	TOTAL	TOTAL	62	756	257	61	1136
CARGO TONS	TOTAL	TOTAL	264136	16764790	10227573	3199419	30455918

1990 Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Chemical Tankers							
TRANSITS	ASIA	CENTRAL AMERICA E.C., W. INDIE	2	2	0	0	4
CARGO TONS	ASIA	CENTRAL AMERICA E.C., W. INDIE	11466	23585	0	0	35051
TRANSITS	ASIA	EUROPE	3	4	0	0	7
CARGO TONS	ASIA	EUROPE	18012	95248	0	0	113260
TRANSITS	ASIA	S. AMERICA E.C.	0	1	0	0	1
CARGO TONS	ASIA	S. AMERICA E.C.	0	7333	0	0	7333
TRANSITS	ASIA	U.S. EAST COAST	5	11	0	0	16
CARGO TONS	ASIA	U.S. EAST COAST	20916	211801	0	0	232717
TRANSITS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	9	0	0	0	9
CARGO TONS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	58179	0	0	0	58179
TRANSITS	C. AMERICA W.C.	EUROPE	2	2	0	0	4
CARGO TONS	C. AMERICA W.C.	EUROPE	13566	43562	0	0	57128
TRANSITS	C. AMERICA W.C.	S. AMERICA E.C.	2	0	0	0	2
CARGO TONS	C. AMERICA W.C.	S. AMERICA E.C.	6965	0	0	0	6965
TRANSITS	C. AMERICA W.C.	U.S. EAST COAST	15	8	0	0	24
CARGO TONS	C. AMERICA W.C.	U.S. EAST COAST	100644	178802	0	0	279446
TRANSITS	CANADA WEST COAST	EUROPE	0	1	0	0	1
CARGO TONS	CANADA WEST COAST	EUROPE	0	33423	0	0	33423
TRANSITS	CANADA WEST COAST	U.S. EAST COAST	0	11	0	0	11
CARGO TONS	CANADA WEST COAST	U.S. EAST COAST	0	234928	0	0	234928
TRANSITS	OCEANIA	CENTRAL AMERICA E.C., W. INDIE	0	0	0	0	0
CARGO TONS	OCEANIA	CENTRAL AMERICA E.C., W. INDIE	0	1363	0	0	1363
TRANSITS	OCEANIA	EUROPE	0	1	0	0	1
CARGO TONS	OCEANIA	EUROPE	0	31041	0	0	31041
TRANSITS	OCEANIA	U.S. EAST COAST	0	6	2	0	8
CARGO TONS	OCEANIA	U.S. EAST COAST	0	140069	64946	0	205015

1990 Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Chemical Tankers (Cont.)							
TRANSITS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	9	3	0	0	11
CARGO TONS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	27242	10793	0	0	38035
TRANSITS	S. AMERICA W.C.	EUROPE	4	2	0	0	6
CARGO TONS	S. AMERICA W.C.	EUROPE	29238	34165	0	0	63403
TRANSITS	S. AMERICA W.C.	S. AMERICA E.C.	0	3	0	0	3
CARGO TONS	S. AMERICA W.C.	S. AMERICA E.C.	949	23550	0	0	24499
TRANSITS	S. AMERICA W.C.	U.S. EAST COAST	7	4	0	0	10
CARGO TONS	S. AMERICA W.C.	U.S. EAST COAST	31157	37491	0	0	68648
TRANSITS	U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIE	0	2	0	0	2
CARGO TONS	U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIE	0	36203	0	0	36203
TRANSITS	U.S. W.C., HAWAII	EUROPE	4	3	0	0	6
CARGO TONS	U.S. W.C., HAWAII	EUROPE	17832	62559	0	0	80391
TRANSITS	U.S. W.C., HAWAII	MIDDLE EAST	0	0	0	0	0
CARGO TONS	U.S. W.C., HAWAII	MIDDLE EAST	0	1900	0	0	1900
TRANSITS	U.S. W.C., HAWAII	S. AMERICA E.C.	0	0	0	0	0
CARGO TONS	U.S. W.C., HAWAII	S. AMERICA E.C.	0	9626	0	0	9626
TRANSITS	U.S. W.C., HAWAII	U.S. EAST COAST	0	4	10	0	14
CARGO TONS	U.S. W.C., HAWAII	U.S. EAST COAST	0	63223	198766	0	261989
TRANSITS	TOTAL	TOTAL	62	69	12	0	143
CARGO TONS	TOTAL	TOTAL	336166	1280665	263712	0	1880543

1990 Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Full Container Ships							
TRANSITS	ASIA	AFRICA	0	0	0	0	0
CARGO TONS	ASIA	AFRICA	0	0	92	0	92
TRANSITS	ASIA	ASIA	0	0	0	0	0
CARGO TONS	ASIA	ASIA	0	510	0	0	510
TRANSITS	ASIA	CANADA EAST COAST	0	8	12	0	20
CARGO TONS	ASIA	CANADA EAST COAST	0	108187	260336	0	368523
TRANSITS	ASIA	CENTRAL AMERICA E.C., W. INDIE	0	22	1	0	23
CARGO TONS	ASIA	CENTRAL AMERICA E.C., W. INDIE	0	254586	12377	0	266963
TRANSITS	ASIA	EUROPE	0	1	4	0	6
CARGO TONS	ASIA	EUROPE	0	20660	79541	0	100201
TRANSITS	ASIA	MIDDLE EAST	0	0	0	0	0
CARGO TONS	ASIA	MIDDLE EAST	0	2046	1658	0	3704
TRANSITS	ASIA	S. AMERICA E.C.	0	1	0	0	1
CARGO TONS	ASIA	S. AMERICA E.C.	0	4369	0	0	4369
TRANSITS	ASIA	U.S. EAST COAST	0	134	170	0	304
CARGO TONS	ASIA	U.S. EAST COAST	0	1802762	2852851	0	4655613
TRANSITS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	0	0	0	0	0
CARGO TONS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	0	1772	0	0	1772
TRANSITS	C. AMERICA W.C.	EUROPE	0	1	0	0	1
CARGO TONS	C. AMERICA W.C.	EUROPE	0	15323	0	0	15323
TRANSITS	C. AMERICA W.C.	MIDDLE EAST	0	0	0	0	0
CARGO TONS	C. AMERICA W.C.	MIDDLE EAST	0	11	0	0	11
TRANSITS	C. AMERICA W.C.	S. AMERICA E.C.	0	0	0	0	0
CARGO TONS	C. AMERICA W.C.	S. AMERICA E.C.	0	1293	0	0	1293
TRANSITS	C. AMERICA W.C.	U.S. EAST COAST	0	0	0	0	0
CARGO TONS	C. AMERICA W.C.	U.S. EAST COAST	0	2981	0	0	2981

1990 Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Full Container Ships (Cont.)							
TRANSITS	CANADA WEST COAST	EUROPE	0	15	1	0	16
CARGO TONS	CANADA WEST COAST	EUROPE	0	206629	27129	0	233758
TRANSITS	OCEANIA	CANADA EAST COAST	0	5	0	0	5
CARGO TONS	OCEANIA	CANADA EAST COAST	0	72364	0	0	72364
TRANSITS	OCEANIA	CENTRAL AMERICA E.C., W. INDIE	0	2	0	0	2
CARGO TONS	OCEANIA	CENTRAL AMERICA E.C., W. INDIE	0	26656	0	0	26656
TRANSITS	OCEANIA	S. AMERICA E.C.	0	0	0	0	0
CARGO TONS	OCEANIA	S. AMERICA E.C.	0	393	0	0	393
TRANSITS	OCEANIA	U.S. EAST COAST	0	33	0	0	33
CARGO TONS	OCEANIA	U.S. EAST COAST	0	507639	0	0	507639
TRANSITS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	0	0	0	0	0
CARGO TONS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	48	163	0	0	211
TRANSITS	S. AMERICA W.C.	EUROPE	1	28	0	0	29
CARGO TONS	S. AMERICA W.C.	EUROPE	1817	566812	0	0	568629
TRANSITS	S. AMERICA W.C.	S. AMERICA E.C.	0	0	0	0	0
CARGO TONS	S. AMERICA W.C.	S. AMERICA E.C.	0	16	0	0	16
TRANSITS	S. AMERICA W.C.	U.S. EAST COAST	0	28	0	0	28
CARGO TONS	S. AMERICA W.C.	U.S. EAST COAST	0	198607	0	0	198607
TRANSITS	U.S. W.C., HAWAII	AFRICA	0	0	0	0	0
CARGO TONS	U.S. W.C., HAWAII	AFRICA	0	0	4	0	4
TRANSITS	U.S. W.C., HAWAII	CANADA EAST COAST	0	0	0	0	0
CARGO TONS	U.S. W.C., HAWAII	CANADA EAST COAST	0	1960	1172	0	3132
TRANSITS	U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIE	1	1	0	0	2
CARGO TONS	U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIE	532	14427	71	0	15030
TRANSITS	U.S. W.C., HAWAII	EUROPE	0	52	22	0	74
CARGO TONS	U.S. W.C., HAWAII	EUROPE	0	725927	415773	0	1141700

1990 Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Full Container Ships (Cont.)							
TRANSITS	U.S. W.C., HAWAII	MIDDLE EAST	0	2	0	0	2
CARGO TONS	U.S. W.C., HAWAII	MIDDLE EAST	0	28276	1174	0	29450
TRANSITS	U.S. W.C., HAWAII	U.S. EAST COAST	0	3	4	0	7
CARGO TONS	U.S. W.C., HAWAII	U.S. EAST COAST	0	31419	52914	0	84333
TRANSITS	TOTAL	TOTAL	2	338	213	0	553
CARGO TONS	TOTAL	TOTAL	2397	4595788	3705092	0	8303277

1990 Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Conventional General Cargo Ships							
TRANSITS	ASIA	CANADA EAST COAST	0	0	0	0	0
CARGO TONS	ASIA	CANADA EAST COAST	0	1821	0	0	1821
TRANSITS	ASIA	CENTRAL AMERICA E.C., W. INDIES	0	57	0	0	57
CARGO TONS	ASIA	CENTRAL AMERICA E.C., W. INDIES	0	449832	0	0	449832
TRANSITS	ASIA	EUROPE	0	2	0	0	2
CARGO TONS	ASIA	EUROPE	171	13523	0	0	13694
TRANSITS	ASIA	S. AMERICA E.C.	0	3	0	0	3
CARGO TONS	ASIA	S. AMERICA E.C.	0	14360	0	0	14360
TRANSITS	ASIA	U.S. EAST COAST	3	22	0	0	25
CARGO TONS	ASIA	U.S. EAST COAST	4473	238065	0	0	242538
TRANSITS	C. AMERICA W.C.	AFRICA	0	4	0	0	4
CARGO TONS	C. AMERICA W.C.	AFRICA	234	51422	0	0	51656
TRANSITS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	11	2	0	0	13
CARGO TONS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	21157	19508	0	0	40665
TRANSITS	C. AMERICA W.C.	EUROPE	6	10	0	0	16
CARGO TONS	C. AMERICA W.C.	EUROPE	18946	59562	0	0	78508
TRANSITS	C. AMERICA W.C.	S. AMERICA E.C.	2	2	0	0	4
CARGO TONS	C. AMERICA W.C.	S. AMERICA E.C.	7874	14105	0	0	21979
TRANSITS	C. AMERICA W.C.	U.S. EAST COAST	12	2	0	0	14
CARGO TONS	C. AMERICA W.C.	U.S. EAST COAST	31594	19006	0	0	50600
TRANSITS	CANADA WEST COAST	ASIA	0	1	0	0	1
CARGO TONS	CANADA WEST COAST	ASIA	0	3004	0	0	3004
TRANSITS	CANADA WEST COAST	CENTRAL AMERICA E.C., W. INDIES	3	3	0	0	6
CARGO TONS	CANADA WEST COAST	CENTRAL AMERICA E.C., W. INDIES	14087	21761	0	0	35848
TRANSITS	CANADA WEST COAST	EUROPE	0	0	0	0	0
CARGO TONS	CANADA WEST COAST	EUROPE	0	4530	0	0	4530

1990 Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Conventional General Cargo Ships (Cont.)							
TRANSITS	CANADA WEST COAST	MIDDLE EAST	0	0	0	0	0
CARGO TONS	CANADA WEST COAST	MIDDLE EAST	0	1860	0	0	1860
TRANSITS	CANADA WEST COAST	S. AMERICA E.C.	2	2	0	0	4
CARGO TONS	CANADA WEST COAST	S. AMERICA E.C.	11776	24927	0	0	36703
TRANSITS	OCEANIA	AFRICA	0	1	0	0	1
CARGO TONS	OCEANIA	AFRICA	0	3949	0	0	3949
TRANSITS	OCEANIA	CENTRAL AMERICA E.C., W. INDIES	0	1	0	0	1
CARGO TONS	OCEANIA	CENTRAL AMERICA E.C., W. INDIES	0	4082	0	0	4082
TRANSITS	OCEANIA	EUROPE	0	1	0	0	1
CARGO TONS	OCEANIA	EUROPE	0	5078	0	0	5078
TRANSITS	OCEANIA	S. AMERICA E.C.	3	0	0	0	3
CARGO TONS	OCEANIA	S. AMERICA E.C.	8034	0	0	0	8034
TRANSITS	OCEANIA	U.S. EAST COAST	2	0	0	0	2
CARGO TONS	OCEANIA	U.S. EAST COAST	1693	2835	0	0	4528
TRANSITS	S. AMERICA W.C.	AFRICA	2	3	0	0	5
CARGO TONS	S. AMERICA W.C.	AFRICA	2194	33324	0	0	35518
TRANSITS	S. AMERICA W.C.	CANADA EAST COAST	0	0	0	0	0
CARGO TONS	S. AMERICA W.C.	CANADA EAST COAST	0	3187	0	0	3187
TRANSITS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	16	4	0	0	20
CARGO TONS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	45837	28127	0	0	73964
TRANSITS	S. AMERICA W.C.	EUROPE	11	77	0	0	88
CARGO TONS	S. AMERICA W.C.	EUROPE	36095	873174	0	0	909269
TRANSITS	S. AMERICA W.C.	MIDDLE EAST	0	2	0	0	2
CARGO TONS	S. AMERICA W.C.	MIDDLE EAST	0	20668	0	0	20668
TRANSITS	S. AMERICA W.C.	S. AMERICA E.C.	19	3	0	0	22
CARGO TONS	S. AMERICA W.C.	S. AMERICA E.C.	43960	18780	0	0	62740

1990 Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Conventional General Cargo Ships (Cont.)							
TRANSITS	S. AMERICA W.C.	U.S. EAST COAST	24	33	0	0	57
CARGO TONS	S. AMERICA W.C.	U.S. EAST COAST	73023	238920	0	0	311943
TRANSITS	U.S. W.C., HAWAII	AFRICA	0	1	0	0	1
CARGO TONS	U.S. W.C., HAWAII	AFRICA	0	9210	0	0	9210
TRANSITS	U.S. W.C., HAWAII	ASIA	0	1	0	0	1
CARGO TONS	U.S. W.C., HAWAII	ASIA	0	287	0	0	287
TRANSITS	U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIES	1	0	0	0	1
CARGO TONS	U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIES	145	0	0	0	145
TRANSITS	U.S. W.C., HAWAII	EUROPE	3	3	0	0	6
CARGO TONS	U.S. W.C., HAWAII	EUROPE	18605	38080	0	0	56685
TRANSITS	U.S. W.C., HAWAII	S. AMERICA E.C.	2	1	0	0	3
CARGO TONS	U.S. W.C., HAWAII	S. AMERICA E.C.	4544	2280	0	0	6824
TRANSITS	TOTAL	TOTAL	123	241	0	0	364
CARGO TONS	TOTAL	TOTAL	344442	2219267	0	0	2563709

1990 Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Liquified Petroleum Gas Carriers							
TRANSITS	ASIA	U.S. EAST COAST	1	0	0	0	1
CARGO TONS	ASIA	U.S. EAST COAST	3436	0	0	0	3436
TRANSITS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	1	0	0	0	1
CARGO TONS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	7641	0	0	0	7641
TRANSITS	OCEANIA	U.S. EAST COAST	0	4	2	0	6
CARGO TONS	OCEANIA	U.S. EAST COAST	0	63738	63830	0	127568
TRANSITS	TOTAL	TOTAL	2	4	2	0	8
CARGO TONS	TOTAL	TOTAL	11077	63738	638308	0	138645

1990 Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Refrigerated Cargo Ships							
TRANSITS	ASIA	AFRICA	2	0	0	0	2
CARGO TONS	ASIA	AFRICA	1011	0	0	0	1011
TRANSITS	ASIA	CENTRAL AMERICA E.C., W. INDIES	8	4	0	0	12
CARGO TONS	ASIA	CENTRAL AMERICA E.C., W. INDIES	13449	11626	0	0	25075
TRANSITS	ASIA	S. AMERICA E.C.	8	0	0	0	8
CARGO TONS	ASIA	S. AMERICA E.C.	2262	0	0	0	2262
TRANSITS	ASIA	U.S. EAST COAST	1	0	0	0	1
CARGO TONS	ASIA	U.S. EAST COAST	22	0	0	0	22
TRANSITS	C. AMERICA W.C.	AFRICA	1	0	0	0	1
CARGO TONS	C. AMERICA W.C.	AFRICA	1169	0	0	0	1169
TRANSITS	C. AMERICA W.C.	CANADA EAST COAST	8	0	0	0	8
CARGO TONS	C. AMERICA W.C.	CANADA EAST COAST	9340	0	0	0	9340
TRANSITS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	5	7	0	0	12
CARGO TONS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	13744	36352	0	0	50096
TRANSITS	C. AMERICA W.C.	EUROPE	71	80	0	0	151
CARGO TONS	C. AMERICA W.C.	EUROPE	193462	344979	0	0	538441
TRANSITS	C. AMERICA W.C.	S. AMERICA E.C.	1	0	0	0	1
CARGO TONS	C. AMERICA W.C.	S. AMERICA E.C.	1621	0	0	0	1621
TRANSITS	C. AMERICA W.C.	U.S. EAST COAST	1	0	0	0	1
CARGO TONS	C. AMERICA W.C.	U.S. EAST COAST	1333	0	0	0	1333
TRANSITS	CANADA WEST COAST	AFRICA	0	0	0	0	0
CARGO TONS	CANADA WEST COAST	AFRICA	0	0	0	0	0
TRANSITS	CANADA WEST COAST	EUROPE	3	0	0	0	3
CARGO TONS	CANADA WEST COAST	EUROPE	14034	0	0	0	14034
TRANSITS	OCEANIA	CENTRAL AMERICA E.C., W. INDIES	6	0	0	0	6
CARGO TONS	OCEANIA	CENTRAL AMERICA E.C., W. INDIES	20176	0	0	0	20176

1990 Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Refrigerated Cargo Ships (Cont.)							
TRANSITS	OCEANIA	EUROPE	56	25	0	0	81
CARGO TONS	OCEANIA	EUROPE	178435	126136	0	0	304571
TRANSITS	OCEANIA	S. AMERICA E.C.	1	0	0	0	1
CARGO TONS	OCEANIA	S. AMERICA E.C.	885	0	0	0	885
TRANSITS	OCEANIA	U.S. EAST COAST	28	1	0	0	29
CARGO TONS	OCEANIA	U.S. EAST COAST	87953	3542	0	0	91495
TRANSITS	S. AMERICA W.C.	AFRICA	6	1	0	0	7
CARGO TONS	S. AMERICA W.C.	AFRICA	15902	3799	0	0	19701
TRANSITS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	7	4	0	0	11
CARGO TONS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	21269	19140	0	0	40409
TRANSITS	S. AMERICA W.C.	EUROPE	225	119	0	0	344
CARGO TONS	S. AMERICA W.C.	EUROPE	795717	614702	0	0	1410419
TRANSITS	S. AMERICA W.C.	MIDDLE EAST	6	0	0	0	6
CARGO TONS	S. AMERICA W.C.	MIDDLE EAST	15277	0	0	0	15277
TRANSITS	S. AMERICA W.C.	S. AMERICA E.C.	6	0	0	0	6
CARGO TONS	S. AMERICA W.C.	S. AMERICA E.C.	8801	618	0	0	9419
TRANSITS	S. AMERICA W.C.	U.S. EAST COAST	212	167	0	0	379
CARGO TONS	S. AMERICA W.C.	U.S. EAST COAST	509759	629490	0	0	1139249
TRANSITS	U.S. W.C., HAWAII	EUROPE	41	5	0	0	46
CARGO TONS	U.S. W.C., HAWAII	EUROPE	155731	21573	0	0	177304
TRANSITS	U.S. W.C., HAWAII	S. AMERICA E.C.	2	0	0	0	2
CARGO TONS	U.S. W.C., HAWAII	S. AMERICA E.C.	5053	119	0	0	5172
TRANSITS	TOTAL	TOTAL	705	414	0	0	1119
CARGO TONS	TOTAL	TOTAL	2066405	1812076	0	0	3878481

1990 Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Roll-On Roll-Off Ships							
TRANSITS	ASIA	CANADA EAST COAST	1	1	0	0	2
CARGO TONS	ASIA	CANADA EAST COAST	2917	3743	0	0	6660
TRANSITS	ASIA	CENTRAL AMERICA E.C., W. INDIES	0	4	2	0	6
CARGO TONS	ASIA	CENTRAL AMERICA E.C., W. INDIES	440	67240	41229	0	108909
TRANSITS	ASIA	EUROPE	1	0	0	0	1
CARGO TONS	ASIA	EUROPE	2567	808	3074	0	6449
TRANSITS	ASIA	U.S. EAST COAST	3	16	6	0	25
CARGO TONS	ASIA	U.S. EAST COAST	8227	264606	157803	0	430636
TRANSITS	C. AMERICA W.C.	EUROPE	0	9	0	0	9
CARGO TONS	C. AMERICA W.C.	EUROPE	0	46879	0	0	46879
TRANSITS	C. AMERICA W.C.	S. AMERICA E.C.	0	0	0	0	0
CARGO TONS	C. AMERICA W.C.	S. AMERICA E.C.	0	75	0	0	75
TRANSITS	C. AMERICA W.C.	U.S. EAST COAST	0	1	0	0	1
CARGO TONS	C. AMERICA W.C.	U.S. EAST COAST	0	400	0	0	400
TRANSITS	CANADA WEST COAST	CENTRAL AMERICA E.C., W. INDIES	0	0	0	0	0
CARGO TONS	CANADA WEST COAST	CENTRAL AMERICA E.C., W. INDIES	193	0	0	0	193
TRANSITS	OCEANIA	CENTRAL AMERICA E.C., W. INDIES	0	0	0	0	0
CARGO TONS	OCEANIA	CENTRAL AMERICA E.C., W. INDIES	0	133	0	0	133
TRANSITS	OCEANIA	EUROPE	0	0	0	0	0
CARGO TONS	OCEANIA	EUROPE	0	7	27	0	34
TRANSITS	OCEANIA	U.S. EAST COAST	0	1	0	0	1
CARGO TONS	OCEANIA	U.S. EAST COAST	0	3279	472	0	3751
TRANSITS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	4	0	0	0	4
CARGO TONS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	8649	0	0	0	8649
TRANSITS	S. AMERICA W.C.	EUROPE	0	0	0	0	0
CARGO TONS	S. AMERICA W.C.	EUROPE	0	1401	0	0	1401

1990 Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Roll-On Roll-Off Ships (Cont.)							
TRANSITS	S. AMERICA W.C.	S. AMERICA E.C.	1	0	0	0	1
CARGO TONS	S. AMERICA W.C.	S. AMERICA E.C.	1381	0	0	0	1381
TRANSITS	S. AMERICA W.C.	U.S. EAST COAST	39	0	0	0	39
CARGO TONS	S. AMERICA W.C.	U.S. EAST COAST	81171	0	0	0	81171
TRANSITS	U.S. W.C., HAWAII	CANADA EAST COAST	0	0	0	0	0
CARGO TONS	U.S. W.C., HAWAII	CANADA EAST COAST	344	0	0	0	344
TRANSITS	U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIES	0	0	0	0	0
CARGO TONS	U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIES	0	2587	5471	0	8058
TRANSITS	U.S. W.C., HAWAII	EUROPE	0	0	0	0	0
CARGO TONS	U.S. W.C., HAWAII	EUROPE	0	60	118	0	178
TRANSITS	U.S. W.C., HAWAII	U.S. EAST COAST	0	0	0	0	0
CARGO TONS	U.S. W.C., HAWAII	U.S. EAST COAST	0	1776	879	0	2655
TRANSITS	TOTAL	TOTAL	50	32	8	0	90
CARGO TONS	TOTAL	TOTAL	105889	392994	209073	0	707956

1990 Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Oil Tankers							
TRANSITS	ASIA	AFRICA	0	0	0	0	0
CARGO TONS	ASIA	AFRICA	16	0	0	0	16
TRANSITS	ASIA	EUROPE	0	1	0	0	1
CARGO TONS	ASIA	EUROPE	0	10926	0	0	10926
TRANSITS	ASIA	U.S. EAST COAST	0	3	0	0	3
CARGO TONS	ASIA	U.S. EAST COAST	0	73750	0	0	73750
TRANSITS	C. AMERICA W.C.	AFRICA	0	0	0	0	0
CARGO TONS	C. AMERICA W.C.	AFRICA	15	0	0	0	15
TRANSITS	C. AMERICA W.C.	CANADA EAST COAST	0	1	0	0	1
CARGO TONS	C. AMERICA W.C.	CANADA EAST COAST	0	10330	0	0	10330
TRANSITS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	3	4	0	0	7
CARGO TONS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	13412	33063	0	0	46475
TRANSITS	C. AMERICA W.C.	EUROPE	0	1	0	0	1
CARGO TONS	C. AMERICA W.C.	EUROPE	0	31003	0	0	31003
TRANSITS	C. AMERICA W.C.	S. AMERICA E.C.	1	0	0	0	1
CARGO TONS	C. AMERICA W.C.	S. AMERICA E.C.	3149	0	0	0	3149
TRANSITS	C. AMERICA W.C.	U.S. EAST COAST	3	4	0	0	7
CARGO TONS	C. AMERICA W.C.	U.S. EAST COAST	14908	46301	0	0	61209
TRANSITS	CANADA WEST COAST	U.S. EAST COAST	0	1	3	1	5
CARGO TONS	CANADA WEST COAST	U.S. EAST COAST	0	20569	150854	31853	203276
TRANSITS	OCEANIA	EUROPE	0	1	0	0	1
CARGO TONS	OCEANIA	EUROPE	0	26437	0	0	26437
TRANSITS	OCEANIA	U.S. EAST COAST	1	1	1	0	3
CARGO TONS	OCEANIA	U.S. EAST COAST	6883	32681	32505	0	72069
TRANSITS	S. AMERICA W.C.	CANADA EAST COAST	1	1	0	0	2
CARGO TONS	S. AMERICA W.C.	CANADA EAST COAST	3345	27233	0	0	30578

1990 Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Oil Tankers (Cont.)							
TRANSITS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	3	10	99	5	117
CARGO TONS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	6113	232584	4878642	249618	5366957
TRANSITS	S. AMERICA W.C.	EUROPE	3	3	0	0	6
CARGO TONS	S. AMERICA W.C.	EUROPE	10699	40294	0	0	50993
TRANSITS	S. AMERICA W.C.	S. AMERICA E.C.	9	1	0	0	10
CARGO TONS	S. AMERICA W.C.	S. AMERICA E.C.	9668	4120	0	0	13788
TRANSITS	S. AMERICA W.C.	U.S. EAST COAST	0	35	58	2	95
CARGO TONS	S. AMERICA W.C.	U.S. EAST COAST	0	908951	2833537	104092	3846580
TRANSITS	U.S. W.C., HAWAII	AFRICA	1	0	0	1	2
CARGO TONS	U.S. W.C., HAWAII	AFRICA	201	0	0	64954	65155
TRANSITS	U.S. W.C., HAWAII	CANADA EAST COAST	0	1	0	0	1
CARGO TONS	U.S. W.C., HAWAII	CANADA EAST COAST	0	33626	0	0	33626
TRANSITS	U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIE	0	4	2	2	8
CARGO TONS	U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIE	0	80959	89156	118828	288943
TRANSITS	U.S. W.C., HAWAII	S. AMERICA E.C.	0	1	1	0	2
CARGO TONS	U.S. W.C., HAWAII	S. AMERICA E.C.	217	36354	49866	0	86437
TRANSITS	U.S. W.C., HAWAII	U.S. EAST COAST	0	16	1	2	19
CARGO TONS	U.S. W.C., HAWAII	U.S. EAST COAST	0	280713	53434	123220	457367
TRANSITS	TOTAL	TOTAL	25	89	165	13	292
CARGO TONS	TOTAL	TOTAL	68626	1929894	8087994	692565	10779079

1990 Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Vehicle Carriers							
TRANSITS	ASIA	AFRICA	0	0	0	0	0
CARGO TONS	ASIA	AFRICA	0	1826	0	0	1826
TRANSITS	ASIA	CENTRAL AMERICA E.C., W. INDIES	18	31	0	0	49
CARGO TONS	ASIA	CENTRAL AMERICA E.C., W. INDIES	20644	89801	0	0	110445
TRANSITS	ASIA	EUROPE	0	4	0	0	4
CARGO TONS	ASIA	EUROPE	0	23426	0	0	23426
TRANSITS	ASIA	S. AMERICA E.C.	0	0	0	0	0
CARGO TONS	ASIA	S. AMERICA E.C.	22	129	0	0	151
TRANSITS	ASIA	U.S. EAST COAST	18	253	0	0	271
CARGO TONS	ASIA	U.S. EAST COAST	50105	1219650	0	0	1269755
TRANSITS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	0	0	0	0	0
CARGO TONS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	277	5	0	0	282
TRANSITS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	0	0	0	0	0
CARGO TONS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIES	22	0	0	0	22
TRANSITS	TOTAL	TOTAL	36	289	0	0	325
CARGO TONS	TOTAL	TOTAL	71070	1334837	0	0	1405907

1990 Vessel Transits

Laden Southbound

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Container-Breakbulk Ships							
TRANSITS	AFRICA	C. AMERICA W.C.	1	1	0	0	2
CARGO TONS	AFRICA	C. AMERICA W.C.	4077	27494	0	0	31571
TRANSITS	AFRICA	CANADA WEST COAST	0	0	0	0	0
CARGO TONS	AFRICA	CANADA WEST COAST	0	844	0	0	844
TRANSITS	AFRICA	U.S. W.C., HAWAII	0	0	0	0	0
CARGO TONS	AFRICA	U.S. W.C., HAWAII	0	3388	0	0	3388
TRANSITS	ASIA	C. AMERICA W.C.	0	2	0	0	2
CARGO TONS	ASIA	C. AMERICA W.C.	0	20290	0	0	20290
TRANSITS	CANADA EAST COAST	ASIA	0	3	2	0	5
CARGO TONS	CANADA EAST COAST	ASIA	0	65070	57854	0	122924
TRANSITS	CANADA EAST COAST	C. AMERICA W.C.	1	1	0	0	2
CARGO TONS	CANADA EAST COAST	C. AMERICA W.C.	3800	2650	0	0	6450
TRANSITS	CANADA EAST COAST	OCEANIA	0	1	0	0	1
CARGO TONS	CANADA EAST COAST	OCEANIA	0	7080	0	0	7080
TRANSITS	CANADA EAST COAST	S. AMERICA W.C.	0	1	0	0	1
CARGO TONS	CANADA EAST COAST	S. AMERICA W.C.	0	27032	0	0	27032
TRANSITS	CANADA EAST COAST	U.S. W.C., HAWAII	0	0	0	0	0
CARGO TONS	CANADA EAST COAST	U.S. W.C., HAWAII	0	24	0	0	24
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	ASIA	0	15	0	0	15
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	ASIA	985	214046	0	0	215031
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	0	4	0	0	4
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	305	9295	0	0	9600
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	CANADA WEST COAST	0	1	0	0	1
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	CANADA WEST COAST	0	11093	0	0	11093

1990 Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Container-Breakbulk Ships (Cont.)							
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	OCEANIA	0	1	0	0	1
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	OCEANIA	0	9299	0	0	9299
TRANSITS	CENTRAL AMERICA E.C., W. INDIES.	AMERICA W.C.	2	12	0	0	13
CARGO TONS	CENTRAL AMERICA E.C., W. INDIES.	AMERICA W.C.	4625	48849	0	0	53474
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	0	4	0	0	4
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	0	44437	0	0	44437
TRANSITS	EUROPE	ASIA	2	1	0	0	3
CARGO TONS	EUROPE	ASIA	17588	9145	0	0	26733
TRANSITS	EUROPE	C. AMERICA W.C.	20	8	0	0	28
CARGO TONS	EUROPE	C. AMERICA W.C.	46445	26871	0	0	73316
TRANSITS	EUROPE	CANADA WEST COAST	0	1	2	0	3
CARGO TONS	EUROPE	CANADA WEST COAST	0	12915	60629	0	73544
TRANSITS	EUROPE	OCEANIA	1	48	0	0	49
CARGO TONS	EUROPE	OCEANIA	8372	368399	0	0	376771
TRANSITS	EUROPE	S. AMERICA W.C.	2	78	0	0	80
CARGO TONS	EUROPE	S. AMERICA W.C.	7711	405804	0	0	413515
TRANSITS	EUROPE	U.S. W.C., HAWAII	0	4	6	0	11
CARGO TONS	EUROPE	U.S. W.C., HAWAII	80	68363	209898	0	278341
TRANSITS	S. AMERICA E.C.	ASIA	0	26	2	0	27
CARGO TONS	S. AMERICA E.C.	ASIA	0	403608	59864	0	463472
TRANSITS	S. AMERICA E.C.	C. AMERICA W.C.	0	6	0	0	6
CARGO TONS	S. AMERICA E.C.	C. AMERICA W.C.	977	66589	0	0	67566
TRANSITS	S. AMERICA E.C.	CANADA WEST COAST	0	7	0	0	7
CARGO TONS	S. AMERICA E.C.	CANADA WEST COAST	0	88339	0	0	88339
TRANSITS	S. AMERICA E.C.	OCEANIA	0	0	0	0	0
CARGO TONS	S. AMERICA E.C.	OCEANIA	0	3777	0	0	3777

1990 Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Container-Breakbulk Ships (Cont.)							
TRANSITS	S. AMERICA E.C.	S. AMERICA W.C.	2	25	0	0	27
CARGO TONS	S. AMERICA E.C.	S. AMERICA W.C.	5274	132306	0	0	137580
TRANSITS	S. AMERICA E.C.	U.S. W.C., HAWAII	1	18	0	0	19
CARGO TONS	S. AMERICA E.C.	U.S. W.C., HAWAII	8143	209988	0	0	218131
TRANSITS	U.S. EAST COAST	ASIA	3	61	21	0	84
CARGO TONS	U.S. EAST COAST	ASIA	5109	1115028	668932	0	1789069
TRANSITS	U.S. EAST COAST	C. AMERICA W.C.	0	7	0	0	7
CARGO TONS	U.S. EAST COAST	C. AMERICA W.C.	0	85649	0	0	85649
TRANSITS	U.S. EAST COAST	OCEANIA	0	14	1	0	15
CARGO TONS	U.S. EAST COAST	OCEANIA	0	154634	39282	0	193916
TRANSITS	U.S. EAST COAST	S. AMERICA W.C.	4	130	1	0	135
CARGO TONS	U.S. EAST COAST	S. AMERICA W.C.	10990	635416	29258	0	675664
TRANSITS	U.S. EAST COAST	U.S. W.C., HAWAII	0	0	0	0	0
CARGO TONS	U.S. EAST COAST	U.S. W.C., HAWAII	0	0	195	0	195
TRANSITS	TOTAL	TOTAL	40	480	34	0	554
CARGO TONS	TOTAL	TOTAL	124481	4277722	1125912	0	5528115

1990 Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Combined and Dry Bulk Carriers							
TRANSITS	AFRICA	C. AMERICA W.C.	0	6	0	0	6
CARGO TONS	AFRICA	C. AMERICA W.C.	0	198134	0	0	198134
TRANSITS	AFRICA	CANADA WEST COAST	0	15	6	0	21
CARGO TONS	AFRICA	CANADA WEST COAST	0	545311	242012	0	787323
TRANSITS	AFRICA	OCEANIA	0	3	1	0	4
CARGO TONS	AFRICA	OCEANIA	0	89760	37402	0	127162
TRANSITS	AFRICA	S. AMERICA W.C.	0	3	0	0	3
CARGO TONS	AFRICA	S. AMERICA W.C.	0	51677	0	0	51677
TRANSITS	AFRICA	U.S. W.C., HAWAII	0	3	1	0	4
CARGO TONS	AFRICA	U.S. W.C., HAWAII	0	31845	34578	0	66423
TRANSITS	CANADA EAST COAST	ASIA	0	28	10	1	38
CARGO TONS	CANADA EAST COAST	ASIA	0	723884	387208	52162	1163254
TRANSITS	CANADA EAST COAST	OCEANIA	0	2	0	0	2
CARGO TONS	CANADA EAST COAST	OCEANIA	0	31607	2207	0	33814
TRANSITS	CANADA EAST COAST	S. AMERICA W.C.	0	6	1	0	7
CARGO TONS	CANADA EAST COAST	S. AMERICA W.C.	0	131961	29225	0	161186
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	ASIA	0	39	0	0	39
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	ASIA	0	895525	0	0	895525
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	8	12	0	0	20
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	19284	242619	0	0	261903
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	CANADA WEST COAST	0	1	0	0	1
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	CANADA WEST COAST	0	23956	0	0	23956
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	OCEANIA	0	1	0	0	1
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	OCEANIA	0	7382	0	0	7382
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	S. AMERICA W.C.	1	9	0	0	10
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	S. AMERICA W.C.	2793	123901	0	0	126694

1990 Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Combined and Dry Bulk Carriers (Cont.)							
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	0	8	0	0	8
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	0	142728	0	0	142728
TRANSITS	EUROPE	ASIA	0	2	1	0	3
CARGO TONS	EUROPE	ASIA	0	47945	36001	0	83946
TRANSITS	EUROPE	C. AMERICA W.C.	1	30	0	0	31
CARGO TONS	EUROPE	C. AMERICA W.C.	5000	474238	0	0	479238
TRANSITS	EUROPE	CANADA WEST COAST	0	7	2	0	10
CARGO TONS	EUROPE	CANADA WEST COAST	0	143145	79381	0	222526
TRANSITS	EUROPE	OCEANIA	0	4	0	0	4
CARGO TONS	EUROPE	OCEANIA	0	93385	0	0	93385
TRANSITS	EUROPE	S. AMERICA W.C.	0	15	0	0	15
CARGO TONS	EUROPE	S. AMERICA W.C.	0	239697	0	0	239697
TRANSITS	EUROPE	U.S. W.C., HAWAII	0	45	13	0	58
CARGO TONS	EUROPE	U.S. W.C., HAWAII	0	819326	417253	0	1236579
TRANSITS	MIDDLE EAST	S. AMERICA W.C.	0	0	1	0	1
CARGO TONS	MIDDLE EAST	S. AMERICA W.C.	0	0	35138	0	35138
TRANSITS	S. AMERICA E.C.	ASIA	3	27	8	0	37
CARGO TONS	S. AMERICA E.C.	ASIA	13385	659710	316373	0	989468
TRANSITS	S. AMERICA E.C.	C. AMERICA W.C.	1	9	0	0	10
CARGO TONS	S. AMERICA E.C.	C. AMERICA W.C.	5109	125612	0	0	130721
TRANSITS	S. AMERICA E.C.	CANADA WEST COAST	0	4	0	0	4
CARGO TONS	S. AMERICA E.C.	CANADA WEST COAST	0	69391	0	0	69391
TRANSITS	S. AMERICA E.C.	S. AMERICA W.C.	18	13	1	0	32
CARGO TONS	S. AMERICA E.C.	S. AMERICA W.C.	56234	233163	28617	0	318014
TRANSITS	S. AMERICA E.C.	U.S. W.C., HAWAII	1	20	4	7	32
CARGO TONS	S. AMERICA E.C.	U.S. W.C., HAWAII	7413	395257	190407	356750	949827

1990 Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Combined and Dry Bulk Carriers (Cont.)							
TRANSITS	U.S. EAST COAST	ASIA	1	288	465	168	922
CARGO TONS	U.S. EAST COAST	ASIA	5270	7757577	22283707	9294403	39340957
TRANSITS	U.S. EAST COAST	C. AMERICA W.C.	27	113	4	0	144
CARGO TONS	U.S. EAST COAST	C. AMERICA W.C.	127402	2748578	132462	0	3008442
TRANSITS	U.S. EAST COAST	CANADA WEST COAST	0	4	1	0	5
CARGO TONS	U.S. EAST COAST	CANADA WEST COAST	0	126703	37498	0	164201
TRANSITS	U.S. EAST COAST	OCEANIA	0	37	5	0	42
CARGO TONS	U.S. EAST COAST	OCEANIA	0	1015675	154519	0	1170194
TRANSITS	U.S. EAST COAST	S. AMERICA W.C.	13	81	3	0	97
CARGO TONS	U.S. EAST COAST	S. AMERICA W.C.	76750	1736169	100957	0	1913876
TRANSITS	U.S. EAST COAST	U.S. W.C., HAWAII	0	1	0	0	1
CARGO TONS	U.S. EAST COAST	U.S. W.C., HAWAII	0	371	0	0	371
TRANSITS	TOTAL	TOTAL	74	835	527	176	1612
CARGO TONS	TOTAL	TOTAL	318640	19926232	24544945	9703315	54493132

1990 Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Chemical Tankers							
TRANSITS	AFRICA	S. AMERICA W.C.	0	1	0	0	1
CARGO TONS	AFRICA	S. AMERICA W.C.	0	11536	0	0	11536
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	ASIA	0	5	0	0	5
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	ASIA	1485	157947	0	0	159432
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	0	3	0	0	3
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	0	43087	0	0	43087
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	S. AMERICA W.C.	2	4	0	0	6
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	S. AMERICA W.C.	16467	77312	0	0	93779
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	1	0	0	0	1
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	6073	0	0	0	6073
TRANSITS	EUROPE	ASIA	0	8	0	0	8
CARGO TONS	EUROPE	ASIA	1028	179246	0	0	180274
TRANSITS	EUROPE	C. AMERICA W.C.	4	0	0	0	4
CARGO TONS	EUROPE	C. AMERICA W.C.	17236	0	0	0	17236
TRANSITS	EUROPE	OCEANIA	0	9	0	0	9
CARGO TONS	EUROPE	OCEANIA	1004	121677	0	0	122681
TRANSITS	EUROPE	S. AMERICA W.C.	6	2	0	0	8
CARGO TONS	EUROPE	S. AMERICA W.C.	38700	25950	0	0	64650
TRANSITS	EUROPE	U.S. W.C., HAWAII	2	4	0	0	6
CARGO TONS	EUROPE	U.S. W.C., HAWAII	9865	95364	0	0	105229
TRANSITS	S. AMERICA E.C.	C. AMERICA W.C.	3	0	0	0	3
CARGO TONS	S. AMERICA E.C.	C. AMERICA W.C.	16337	5097	0	0	21434
TRANSITS	S. AMERICA E.C.	S. AMERICA W.C.	0	5	0	0	5
CARGO TONS	S. AMERICA E.C.	S. AMERICA W.C.	0	78343	0	0	78343
TRANSITS	S. AMERICA E.C.	U.S. W.C., HAWAII	0	0	1	0	1
CARGO TONS	S. AMERICA E.C.	U.S. W.C., HAWAII	0	0	37298	0	37298

1990 Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Chemical Tankers (Cont.)							
TRANSITS	U.S. EAST COAST	ASIA	16	127	0	0	143
CARGO TONS	U.S. EAST COAST	ASIA	93847	3918161	0	0	4012008
TRANSITS	U.S. EAST COAST	C. AMERICA W.C.	10	2	0	0	12
CARGO TONS	U.S. EAST COAST	C. AMERICA W.C.	64080	35809	0	0	99889
TRANSITS	U.S. EAST COAST	CANADA WEST COAST	6	0	0	0	6
CARGO TONS	U.S. EAST COAST	CANADA WEST COAST	37222	4104	0	0	41326
TRANSITS	U.S. EAST COAST	OCEANIA	7	18	2	0	27
CARGO TONS	U.S. EAST COAST	OCEANIA	39514	499262	74972	0	613748
TRANSITS	U.S. EAST COAST	S. AMERICA W.C.	29	9	0	0	37
CARGO TONS	U.S. EAST COAST	S. AMERICA W.C.	175524	166784	0	0	342308
TRANSITS	U.S. EAST COAST	U.S. W.C., HAWAII	1	3	11	0	15
CARGO TONS	U.S. EAST COAST	U.S. W.C., HAWAII	4918	96189	433373	0	534480
TRANSITS	TOTAL	TOTAL	86	201	14	0	301
CARGO TONS	TOTAL	TOTAL	523300	5515868	545643	0	6584811

1990 Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Full Container Ships							
TRANSITS	AFRICA	U.S. W.C., HAWAII	0	0	0	0	0
CARGO TONS	AFRICA	U.S. W.C., HAWAII	0	803	0	0	803
TRANSITS	CANADA EAST COAST	ASIA	0	10	2	0	12
CARGO TONS	CANADA EAST COAST	ASIA	0	169562	56232	0	225794
TRANSITS	CANADA EAST COAST	OCEANIA	0	7	0	0	7
CARGO TONS	CANADA EAST COAST	OCEANIA	0	80664	0	0	80664
TRANSITS	CANADA EAST COAST	U.S. W.C., HAWAII	0	0	2	0	2
CARGO TONS	CANADA EAST COAST	U.S. W.C., HAWAII	0	1506	50933	0	52439
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	ASIA	0	12	1	0	12
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	ASIA	0	137443	15220	0	152663
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	1	0	0	0	1
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	889	402	0	0	1291
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	OCEANIA	0	0	0	0	0
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	OCEANIA	0	1307	0	0	1307
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	S. AMERICA W.C.	2	1	0	0	3
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	S. AMERICA W.C.	337	1704	0	0	2041
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	0	1	0	0	1
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	0	11380	284	0	11664
TRANSITS	EUROPE	ASIA	0	2	1	0	3
CARGO TONS	EUROPE	ASIA	0	22453	41241	0	63694
TRANSITS	EUROPE	C. AMERICA W.C.	0	0	0	0	0
CARGO TONS	EUROPE	C. AMERICA W.C.	0	388	0	0	388
TRANSITS	EUROPE	CANADA WEST COAST	0	11	0	0	11
CARGO TONS	EUROPE	CANADA WEST COAST	0	144897	0	0	144897
TRANSITS	EUROPE	OCEANIA	0	1	0	0	1
CARGO TONS	EUROPE	OCEANIA	0	8949	0	0	8949

1990 Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Full Container Ships (Cont.)							
TRANSITS	EUROPE	S. AMERICA W.C.	0	29	0	0	29
CARGO TONS	EUROPE	S. AMERICA W.C.	0	440574	0	0	440574
TRANSITS	EUROPE	U.S. W.C., HAWAII	0	62	19	0	81
CARGO TONS	EUROPE	U.S. W.C., HAWAII	0	791149	539988	0	1331137
TRANSITS	MIDDLE EAST	ASIA	0	0	0	0	0
CARGO TONS	MIDDLE EAST	ASIA	0	1315	0	0	1315
TRANSITS	MIDDLE EAST	S. AMERICA W.C.	1	0	0	0	1
CARGO TONS	MIDDLE EAST	S. AMERICA W.C.	481	0	0	0	481
TRANSITS	MIDDLE EAST	U.S. W.C., HAWAII	0	2	0	0	2
CARGO TONS	MIDDLE EAST	U.S. W.C., HAWAII	0	36403	1373	0	37776
TRANSITS	S. AMERICA E.C.	ASIA	0	3	0	0	3
CARGO TONS	S. AMERICA E.C.	ASIA	0	38682	0	0	38682
TRANSITS	S. AMERICA E.C.	C. AMERICA W.C.	0	0	0	0	0
CARGO TONS	S. AMERICA E.C.	C. AMERICA W.C.	0	1583	0	0	1583
TRANSITS	S. AMERICA E.C.	S. AMERICA W.C.	0	2	0	0	2
CARGO TONS	S. AMERICA E.C.	S. AMERICA W.C.	0	12563	0	0	12563
TRANSITS	S. AMERICA E.C.	U.S. W.C., HAWAII	0	0	0	0	0
CARGO TONS	S. AMERICA E.C.	U.S. W.C., HAWAII	0	3782	0	0	3782
TRANSITS	U.S. EAST COAST	ASIA	0	146	138	0	284
CARGO TONS	U.S. EAST COAST	ASIA	0	2904211	3526763	0	6430974
TRANSITS	U.S. EAST COAST	C. AMERICA W.C.	0	3	0	0	3
CARGO TONS	U.S. EAST COAST	C. AMERICA W.C.	0	20494	0	0	20494
TRANSITS	U.S. EAST COAST	OCEANIA	0	34	0	0	34
CARGO TONS	U.S. EAST COAST	OCEANIA	0	383567	0	0	383567
TRANSITS	U.S. EAST COAST	S. AMERICA W.C.	0	23	0	0	23
CARGO TONS	U.S. EAST COAST	S. AMERICA W.C.	0	129195	0	0	129195

1990 Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Full Container Ships (Cont.)							
TRANSITS	U.S. EAST COAST	U.S. W.C., HAWAII	0	0	1	0	1
CARGO TONS	U.S. EAST COAST	U.S. W.C., HAWAII	0	2039	23575	0	25614
TRANSITS	TOTAL	TOTAL	4	349	164	0	517
CARGO TONS	TOTAL	TOTAL	1707	5347015	4255609	0	9604331

1990 Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Conventional General Cargo Ships							
TRANSITS	AFRICA	C. AMERICA W.C.	0	1	0	0	1
CARGO TONS	AFRICA	C. AMERICA W.C.	0	9478	0	0	9478
TRANSITS	AFRICA	S. AMERICA W.C.	1	1	0	0	2
CARGO TONS	AFRICA	S. AMERICA W.C.	276	13778	0	0	14054
TRANSITS	ASIA	C. AMERICA W.C.	0	1	0	0	1
CARGO TONS	ASIA	C. AMERICA W.C.	0	10226	0	0	10226
TRANSITS	CANADA EAST COAST	ASIA	1	1	0	0	2
CARGO TONS	CANADA EAST COAST	ASIA	1025	2930	0	0	3955
TRANSITS	CANADA EAST COAST	C. AMERICA W.C.	0	1	0	0	1
CARGO TONS	CANADA EAST COAST	C. AMERICA W.C.	0	15876	0	0	15876
TRANSITS	CANADA EAST COAST	OCEANIA	0	0	0	0	0
CARGO TONS	CANADA EAST COAST	OCEANIA	0	1966	0	0	1966
TRANSITS	CANADA EAST COAST	S. AMERICA W.C.	2	5	0	0	7
CARGO TONS	CANADA EAST COAST	S. AMERICA W.C.	2811	30485	0	0	33296
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	ASIA	0	44	0	0	44
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	ASIA	0	549417	0	0	549417
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	12	2	0	0	14
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	21222	14176	0	0	35398
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	OCEANIA	0	0	0	0	0
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	OCEANIA	0	2461	0	0	2461
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	S. AMERICA W.C.	11	7	0	0	18
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	S. AMERICA W.C.	16680	69541	0	0	86221
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	2	0	0	0	2
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	10037	0	0	0	10037
TRANSITS	EUROPE	ASIA	1	1	0	0	2
CARGO TONS	EUROPE	ASIA	1489	14076	0	0	15565

1990 Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Conventional General Cargo Ships (Cont.)							
TRANSITS	EUROPE	C. AMERICA W.C.	10	24	0	0	34
CARGO TONS	EUROPE	C. AMERICA W.C.	27971	141297	0	0	169268
TRANSITS	EUROPE	CANADA WEST COAST	1	0	0	0	1
CARGO TONS	EUROPE	CANADA WEST COAST	8533	0	0	0	8533
TRANSITS	EUROPE	OCEANIA	4	13	0	0	18
CARGO TONS	EUROPE	OCEANIA	11682	114838	0	0	126520
TRANSITS	EUROPE	S. AMERICA W.C.	15	35	0	0	50
CARGO TONS	EUROPE	S. AMERICA W.C.	38175	259384	0	0	297559
TRANSITS	EUROPE	U.S. W.C., HAWAII	2	1	0	0	2
CARGO TONS	EUROPE	U.S. W.C., HAWAII	10923	3550	0	0	14473
TRANSITS	MIDDLE EAST	S. AMERICA W.C.	4	0	0	0	4
CARGO TONS	MIDDLE EAST	S. AMERICA W.C.	1122	0	0	0	1122
TRANSITS	MIDDLE EAST	U.S. W.C., HAWAII	0	1	0	0	1
CARGO TONS	MIDDLE EAST	U.S. W.C., HAWAII	0	1989	0	0	1989
TRANSITS	S. AMERICA E.C.	ASIA	1	17	0	0	18
CARGO TONS	S. AMERICA E.C.	ASIA	5905	215273	0	0	221178
TRANSITS	S. AMERICA E.C.	C. AMERICA W.C.	0	6	0	0	6
CARGO TONS	S. AMERICA E.C.	C. AMERICA W.C.	0	80568	0	0	80568
TRANSITS	S. AMERICA E.C.	CANADA WEST COAST	0	0	0	0	0
CARGO TONS	S. AMERICA E.C.	CANADA WEST COAST	0	267	0	0	267
TRANSITS	S. AMERICA E.C.	S. AMERICA W.C.	14	12	0	0	26
CARGO TONS	S. AMERICA E.C.	S. AMERICA W.C.	40811	104028	0	0	144839
TRANSITS	S. AMERICA E.C.	U.S. W.C., HAWAII	1	3	0	0	4
CARGO TONS	S. AMERICA E.C.	U.S. W.C., HAWAII	4897	10953	0	0	15850
TRANSITS	U.S. EAST COAST	ASIA	8	39	0	0	46
CARGO TONS	U.S. EAST COAST	ASIA	20063	460382	0	0	480445

1990 Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Conventional General Cargo Ships (Cont.)							
TRANSITS	U.S. EAST COAST	C. AMERICA W.C.	21	9	0	0	30
CARGO TONS	U.S. EAST COAST	C. AMERICA W.C.	75597	112497	0	0	188094
TRANSITS	U.S. EAST COAST	OCEANIA	1	3	0	0	4
CARGO TONS	U.S. EAST COAST	OCEANIA	1004	29400	0	0	30404
TRANSITS	U.S. EAST COAST	S. AMERICA W.C.	36	42	0	0	78
CARGO TONS	U.S. EAST COAST	S. AMERICA W.C.	96597	292571	0	0	389168
TRANSITS	U.S. EAST COAST	U.S. W.C., HAWAII	1	0	0	0	1
CARGO TONS	U.S. EAST COAST	U.S. W.C., HAWAII	98	0	0	0	98
TRANSITS	TOTAL	TOTAL	149	270	0	0	419
CARGO TONS	TOTAL	TOTAL	396918	2561407	0	0	2958325

1990 Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Liquified Petroleum Gas Carriers							
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	ASIA	7	5	0	0	12
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	ASIA	27252	54919	0	0	82171
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	8	6	3	0	17
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	17382	165397	85259	0	268038
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	S. AMERICA W.C.	0	6	0	0	6
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	S. AMERICA W.C.	0	49941	0	0	49941
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	0	1	0	0	1
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	0	17261	0	0	17261
TRANSITS	EUROPE	C. AMERICA W.C.	2	0	0	0	2
CARGO TONS	EUROPE	C. AMERICA W.C.	3121	0	0	0	3121
TRANSITS	EUROPE	S. AMERICA W.C.	0	2	0	0	2
CARGO TONS	EUROPE	S. AMERICA W.C.	0	18291	0	0	18291
TRANSITS	S. AMERICA E.C.	ASIA	0	1	0	0	1
CARGO TONS	S. AMERICA E.C.	ASIA	0	12252	0	0	12252
TRANSITS	S. AMERICA E.C.	C. AMERICA W.C.	7	0	0	0	7
CARGO TONS	S. AMERICA E.C.	C. AMERICA W.C.	10680	0	0	0	10680
TRANSITS	S. AMERICA E.C.	S. AMERICA W.C.	0	22	0	0	22
CARGO TONS	S. AMERICA E.C.	S. AMERICA W.C.	0	290949	0	0	290949
TRANSITS	S. AMERICA E.C.	U.S. W.C., HAWAII	0	0	0	0	0
CARGO TONS	S. AMERICA E.C.	U.S. W.C., HAWAII	0	0	0	0	0
TRANSITS	U.S. EAST COAST	ASIA	1	27	0	0	28
CARGO TONS	U.S. EAST COAST	ASIA	6747	339441	0	0	346188
TRANSITS	U.S. EAST COAST	C. AMERICA W.C.	1	0	0	0	1
CARGO TONS	U.S. EAST COAST	C. AMERICA W.C.	2325	0	0	0	2325
TRANSITS	U.S. EAST COAST	OCEANIA	0	1	0	0	1
CARGO TONS	U.S. EAST COAST	OCEANIA	0	14318	0	0	14318

1990 Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Liquified Petroleum Gas Carriers (Cont.)							
TRANSITS	U.S. EAST COAST	S. AMERICA W.C.	2	0	0	0	2
CARGO TONS	U.S. EAST COAST	S. AMERICA W.C.	6013	0	0	0	6013
TRANSITS	U.S. EAST COAST	U.S. W.C., HAWAII	0	0	0	0	0
CARGO TONS	U.S. EAST COAST	U.S. W.C., HAWAII	0	0	0	0	0
TRANSITS	TOTAL	TOTAL	28	71	3	0	99
CARGO TONS	TOTAL	TOTAL	73520	962769	85259	0	1121518

1990 Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Refrigerated Cargo Ships							
TRANSITS	AFRICA	ASIA	13	0	0	0	13
CARGO TONS	AFRICA	ASIA	41030	0	0	0	41030
TRANSITS	AFRICA	C. AMERICA W.C.	0	0	0	0	0
CARGO TONS	AFRICA	C. AMERICA W.C.	78	0	0	0	78
TRANSITS	AFRICA	S. AMERICA W.C.	5	1	0	0	6
CARGO TONS	AFRICA	S. AMERICA W.C.	3664	14	0	0	3678
TRANSITS	CANADA EAST COAST	ASIA	12	0	0	0	12
CARGO TONS	CANADA EAST COAST	ASIA	38446	0	0	0	38446
TRANSITS	CANADA EAST COAST	C. AMERICA W.C.	9	3	0	0	12
CARGO TONS	CANADA EAST COAST	C. AMERICA W.C.	3071	6195	0	0	9266
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	ASIA	11	2	0	0	13
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	ASIA	27520	3109	0	0	30629
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	0	10	0	0	10
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	0	1924	0	0	1924
TRANSITS	CENTRAL AMERICA E.C., W. INDIES	AMERICA W.C.	6	18	0	0	24
CARGO TONS	CENTRAL AMERICA E.C., W. INDIES	AMERICA W.C.	3337	12156	0	0	15493
TRANSITS	EUROPE	ASIA	26	1	0	0	26
CARGO TONS	EUROPE	ASIA	92228	4060	0	0	96288
TRANSITS	EUROPE	C. AMERICA W.C.	17	39	0	0	56
CARGO TONS	EUROPE	C. AMERICA W.C.	4629	2724	0	0	7353
TRANSITS	EUROPE	CANADA WEST COAST	1	0	0	0	1
CARGO TONS	EUROPE	CANADA WEST COAST	602	0	0	0	602
TRANSITS	EUROPE	S. AMERICA W.C.	94	69	0	0	163
CARGO TONS	EUROPE	S. AMERICA W.C.	82353	48433	0	0	130786
TRANSITS	EUROPE	U.S. W.C., HAWAII	6	0	0	0	6
CARGO TONS	EUROPE	U.S. W.C., HAWAII	3098	0	0	0	3098

1990 Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Refrigerated Cargo Ships (Cont.)							
TRANSITS	MIDDLE EAST	S. AMERICA W.C.	1	0	0	0	1
CARGO TONS	MIDDLE EAST	S. AMERICA W.C.	1098	0	0	0	1098
TRANSITS	S. AMERICA E.C.	ASIA	12	0	0	0	12
CARGO TONS	S. AMERICA E.C.	ASIA	21279	0	0	0	21279
TRANSITS	S. AMERICA E.C.	S. AMERICA W.C.	6	0	0	0	6
CARGO TONS	S. AMERICA E.C.	S. AMERICA W.C.	4271	0	0	0	4271
TRANSITS	U.S. EAST COAST	ASIA	7	5	0	0	12
CARGO TONS	U.S. EAST COAST	ASIA	20913	15624	0	0	36537
TRANSITS	U.S. EAST COAST	C. AMERICA W.C.	8	11	0	0	19
CARGO TONS	U.S. EAST COAST	C. AMERICA W.C.	16750	23085	0	0	39835
TRANSITS	U.S. EAST COAST	S. AMERICA W.C.	99	105	0	0	204
CARGO TONS	U.S. EAST COAST	S. AMERICA W.C.	78293	170051	0	0	248344
TRANSITS	TOTAL	TOTAL	334	264	0	0	598
CARGO TONS	TOTAL	TOTAL	442660	287375	0	0	730035

1990 Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Roll-On Roll-Off Ships							
TRANSITS	AFRICA	ASIA	0	0	0	0	0
CARGO TONS	AFRICA	ASIA	0	80	0	0	80
TRANSITS	AFRICA	OCEANIA	0	0	0	0	0
CARGO TONS	AFRICA	OCEANIA	0	136	0	0	136
TRANSITS	CANADA EAST COAST	ASIA	2	2	0	0	3
CARGO TONS	CANADA EAST COAST	ASIA	10870	4130	0	0	15000
TRANSITS	CANADA EAST COAST	OCEANIA	0	0	0	0	1
CARGO TONS	CANADA EAST COAST	OCEANIA	0	6626	10458	0	17084
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	0	0	0	0	0
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	100	170	0	0	270
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	OCEANIA	0	1	0	0	1
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	OCEANIA	0	3436	0	0	3436
TRANSITS	CENTRAL AMERICA E.C., W. INDIES.	AMERICA W.C.	17	0	0	0	17
CARGO TONS	CENTRAL AMERICA E.C., W. INDIES.	AMERICA W.C.	29278	0	0	0	29278
TRANSITS	EUROPE	ASIA	0	1	0	0	1
CARGO TONS	EUROPE	ASIA	0	7077	0	0	7077
TRANSITS	EUROPE	C. AMERICA W.C.	1	10	0	0	11
CARGO TONS	EUROPE	C. AMERICA W.C.	1171	64469	0	0	65640
TRANSITS	EUROPE	OCEANIA	0	18	2	0	20
CARGO TONS	EUROPE	OCEANIA	0	243617	46816	0	290433
TRANSITS	EUROPE	S. AMERICA W.C.	0	0	0	0	0
CARGO TONS	EUROPE	S. AMERICA W.C.	0	156	0	0	156
TRANSITS	EUROPE	U.S. W.C., HAWAII	0	0	0	0	0
CARGO TONS	EUROPE	U.S. W.C., HAWAII	0	587	0	0	587
TRANSITS	MIDDLE EAST	OCEANIA	0	0	0	0	0
CARGO TONS	MIDDLE EAST	OCEANIA	0	1840	0	0	1840

1990 Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Roll-On Roll-Off Ships (Cont.)							
TRANSITS	U.S. EAST COAST	ASIA	1	3	0	0	4
CARGO TONS	U.S. EAST COAST	ASIA	2515	12748	388	0	15651
TRANSITS	U.S. EAST COAST	C. AMERICA W.C.	0	1	0	0	1
CARGO TONS	U.S. EAST COAST	C. AMERICA W.C.	0	1450	0	0	1450
TRANSITS	U.S. EAST COAST	OCEANIA	0	5	1	0	6
CARGO TONS	U.S. EAST COAST	OCEANIA	0	73565	28603	0	102168
TRANSITS	U.S. EAST COAST	S. AMERICA W.C.	31	0	0	0	31
CARGO TONS	U.S. EAST COAST	S. AMERICA W.C.	51165	0	0	0	51165
TRANSITS	TOTAL	TOTAL	52	40	4	0	96
CARGO TONS	TOTAL	TOTAL	95099	420087	86265	0	601451

1990 Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Oil Tankers							
TRANSITS	AFRICA	U.S. W.C., HAWAII	0	0	1	0	1
CARGO TONS	AFRICA	U.S. W.C., HAWAII	0	0	54102	0	54102
TRANSITS	CANADA EAST COAST	ASIA	0	2	2	0	4
CARGO TONS	CANADA EAST COAST	ASIA	0	63927	80976	0	144903
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	ASIA	1	3	1	1	5
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	ASIA	4545	82713	40642	34594	162494
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	13	6	16	0	35
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	44782	109870	495758	0	650410
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	S. AMERICA W.C.	8	17	2	0	27
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	S. AMERICA W.C.	14381	361448	105114	0	480943
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	1	6	16	2	25
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	2963	174524	717901	106508	1001896
TRANSITS	EUROPE	C. AMERICA W.C.	4	1	0	0	5
CARGO TONS	EUROPE	C. AMERICA W.C.	12858	20200	0	0	33058
TRANSITS	EUROPE	OCEANIA	0	1	0	0	1
CARGO TONS	EUROPE	OCEANIA	0	14766	0	0	14766
TRANSITS	EUROPE	S. AMERICA W.C.	3	21	0	0	24
CARGO TONS	EUROPE	S. AMERICA W.C.	15014	336764	0	0	351778
TRANSITS	EUROPE	U.S. W.C., HAWAII	0	9	2	0	11
CARGO TONS	EUROPE	U.S. W.C., HAWAII	0	262459	79572	0	342031
TRANSITS	MIDDLE EAST	U.S. W.C., HAWAII	0	1	0	0	1
CARGO TONS	MIDDLE EAST	U.S. W.C., HAWAII	0	33666	0	0	33666
TRANSITS	S. AMERICA E.C.	ASIA	0	6	0	0	6
CARGO TONS	S. AMERICA E.C.	ASIA	0	178643	0	0	178643
TRANSITS	S. AMERICA E.C.	C. AMERICA W.C.	1	3	38	0	42
CARGO TONS	S. AMERICA E.C.	C. AMERICA W.C.	3501	77752	1476540	0	1557793

1990 Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Oil Tankers (Cont.)							
TRANSITS	S. AMERICA E.C.	S. AMERICA W.C.	12	5	19	0	36
CARGO TONS	S. AMERICA E.C.	S. AMERICA W.C.	11265	103228	999380	0	1113873
TRANSITS	S. AMERICA E.C.	U.S. W.C., HAWAII	0	14	12	1	27
CARGO TONS	S. AMERICA E.C.	U.S. W.C., HAWAII	0	411908	530047	49930	991885
TRANSITS	U.S. EAST COAST	ASIA	4	18	13	6	42
CARGO TONS	U.S. EAST COAST	ASIA	23962	620097	524559	303860	1472478
TRANSITS	U.S. EAST COAST	C. AMERICA W.C.	5	20	4	0	28
CARGO TONS	U.S. EAST COAST	C. AMERICA W.C.	25494	477299	105998	0	1562082
TRANSITS	U.S. EAST COAST	CANADA WEST COAST	0	1	0	0	1
CARGO TONS	U.S. EAST COAST	CANADA WEST COAST	0	4958	0	0	4958
TRANSITS	U.S. EAST COAST	OCEANIA	0	7	2	0	9
CARGO TONS	U.S. EAST COAST	OCEANIA	0	200421	71303	0	271724
TRANSITS	U.S. EAST COAST	S. AMERICA W.C.	2	5	1	0	8
CARGO TONS	U.S. EAST COAST	S. AMERICA W.C.	7437	103045	36522	0	147004
TRANSITS	U.S. EAST COAST	U.S. W.C., HAWAII	0	27	4	1	32
CARGO TONS	U.S. EAST COAST	U.S. W.C., HAWAII	0	611251	188772	38738	838761
TRANSITS	TOTAL	TOTAL	54	172	132	11	369
CARGO TONS	TOTAL	TOTAL	166202	4248939	5507186	533630	10455957

1990 Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Vehicle Carriers							
TRANSITS	CANADA EAST COAST	ASIA	0	0	0	0	0
CARGO TONS	CANADA EAST COAST	ASIA	0	385	0	0	385
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	0	1	0	0	1
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	0	321	0	0	321
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	OCEANIA	0	1	0	0	1
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	OCEANIA	0	137	0	0	137
TRANSITS	EUROPE	ASIA	0	3	0	0	3
CARGO TONS	EUROPE	ASIA	0	8532	0	0	8532
TRANSITS	EUROPE	CANADA WEST COAST	0	5	0	0	5
CARGO TONS	EUROPE	CANADA WEST COAST	0	13174	0	0	13174
TRANSITS	EUROPE	OCEANIA	0	1	0	0	1
CARGO TONS	EUROPE	OCEANIA	0	3977	0	0	3977
TRANSITS	EUROPE	U.S. W.C., HAWAII	3	93	0	0	96
CARGO TONS	EUROPE	U.S. W.C., HAWAII	3627	185032	0	0	188659
TRANSITS	U.S. EAST COAST	ASIA	0	13	0	0	13
CARGO TONS	U.S. EAST COAST	ASIA	0	54330	0	0	54330
TRANSITS	U.S. EAST COAST	OCEANIA	0	5	0	0	5
CARGO TONS	U.S. EAST COAST	OCEANIA	0	12935	0	0	12935
TRANSITS	TOTAL	TOTAL	3	122	0	0	125
CARGO TONS	TOTAL	TOTAL	3627	278823	0	0	282450

STATUS QUO 2020

2020 Status Quo Vessel Transits

Laden Northbound

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Container-Breakbulk Ships							
TRANSITS	ASIA	AFRICA	0	0	0	0	0
CARGO TONS	ASIA	AFRICA	0	48	4	0	52
TRANSITS	ASIA	CANADA EAST COAST	0	0	0	0	0
CARGO TONS	ASIA	CANADA EAST COAST	0	1739	2591	0	4330
TRANSITS	ASIA	CENTRAL AMERICA E.C., W. INDIE	0	84	7	0	91
CARGO TONS	ASIA	CENTRAL AMERICA E.C., W. INDIE	0	792077	45237	0	837314
TRANSITS	ASIA	EUROPE	0	0	2	0	2
CARGO TONS	ASIA	EUROPE	0	4323	42804	0	47127
TRANSITS	ASIA	S. AMERICA E.C.	0	26	1	0	27
CARGO TONS	ASIA	S. AMERICA E.C.	0	159972	15259	0	175231
TRANSITS	ASIA	U.S. EAST COAST	0	71	11	0	82
CARGO TONS	ASIA	U.S. EAST COAST	0	873507	157453	0	1030960
TRANSITS	C. AMERICA W.C.	AFRICA	0	3	0	0	3
CARGO TONS	C. AMERICA W.C.	AFRICA	0	64833	5637	0	70470
TRANSITS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	0	7	0	0	7
CARGO TONS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	0	103805	14282	0	118087
TRANSITS	C. AMERICA W.C.	EUROPE	0	13	2	0	15
CARGO TONS	C. AMERICA W.C.	EUROPE	0	72186	37831	0	110017
TRANSITS	C. AMERICA W.C.	S. AMERICA E.C.	0	12	1	0	12
CARGO TONS	C. AMERICA W.C.	S. AMERICA E.C.	0	5070	441	0	5511
TRANSITS	C. AMERICA W.C.	U.S. EAST COAST	0	3	0	0	3
CARGO TONS	C. AMERICA W.C.	U.S. EAST COAST	0	17674	1536	0	19210
TRANSITS	CANADA WEST COAST	AFRICA	0	8	0	0	8
CARGO TONS	CANADA WEST COAST	AFRICA	0	167470	11430	0	178900
TRANSITS	CANADA WEST COAST	EUROPE	0	28	35	0	63
CARGO TONS	CANADA WEST COAST	EUROPE	0	617923	1225619	0	1843542

2020 Status Quo Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Container-Breakbulk Ships (Cont.)							
TRANSITS	CANADA WEST COAST	S. AMERICA E.C.	0	10	1	0	11
CARGO TONS	CANADA WEST COAST	S. AMERICA E.C.	0	192834	16768	0	209602
TRANSITS	CANADA WEST COAST	U.S. EAST COAST	0	8	0	0	8
CARGO TONS	CANADA WEST COAST	U.S. EAST COAST	0	149245	0	0	149245
TRANSITS	OCEANIA	AFRICA	0	1	0	0	1
CARGO TONS	OCEANIA	AFRICA	0	4157	361	0	4518
TRANSITS	OCEANIA	CANADA EAST COAST	0	0	2	0	2
CARGO TONS	OCEANIA	CANADA EAST COAST	0	0	46382	0	46382
TRANSITS	OCEANIA	CENTRAL AMERICA E.C., W. INDIE	0	4	0	0	4
CARGO TONS	OCEANIA	CENTRAL AMERICA E.C., W. INDIE	0	38694	3365	0	42059
TRANSITS	OCEANIA	EUROPE	0	5	22	0	27
CARGO TONS	OCEANIA	EUROPE	0	64888	439835	0	504723
TRANSITS	OCEANIA	MIDDLE EAST	0	0	0	0	0
CARGO TONS	OCEANIA	MIDDLE EAST	0	0	6386	0	6386
TRANSITS	OCEANIA	S. AMERICA E.C.	0	7	0	0	7
CARGO TONS	OCEANIA	S. AMERICA E.C.	0	85478	9684	0	95162
TRANSITS	OCEANIA	U.S. EAST COAST	0	1	23	0	24
CARGO TONS	OCEANIA	U.S. EAST COAST	0	35646	549941	0	585587
TRANSITS	S. AMERICA W.C.	AFRICA	0	1	0	0	1
CARGO TONS	S. AMERICA W.C.	AFRICA	0	26116	2272	0	28388
TRANSITS	S. AMERICA W.C.	CANADA EAST COAST	0	1	0	0	1
CARGO TONS	S. AMERICA W.C.	CANADA EAST COAST	0	1700	148	0	1848
TRANSITS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	0	13	1	0	13
CARGO TONS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	0	99766	8673	0	108439
TRANSITS	S. AMERICA W.C.	EUROPE	0	180	12	0	191
CARGO TONS	S. AMERICA W.C.	EUROPE	0	2931672	418205	0	3349877

2020 Status Quo Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Container-Breakbulk Ships (Cont.)							
TRANSITS	S. AMERICA W.C.	S. AMERICA E.C.	0	16	1	0	17
CARGO TONS	S. AMERICA W.C.	S. AMERICA E.C.	0	80385	6990	0	87375
TRANSITS	S. AMERICA W.C.	U.S. EAST COAST	0	103	5	0	108
CARGO TONS	S. AMERICA W.C.	U.S. EAST COAST	0	853220	201857	0	1055077
TRANSITS	U.S. W.C., HAWAII	AFRICA	0	1	8	0	9
CARGO TONS	U.S. W.C., HAWAII	AFRICA	0	15545	127594	0	143139
TRANSITS	U.S. W.C., HAWAII	CANADA EAST COAST	0	2	0	0	2
CARGO TONS	U.S. W.C., HAWAII	CANADA EAST COAST	0	40175	0	0	40175
TRANSITS	U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIE	0	8	0	0	9
CARGO TONS	U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIE	0	55761	7339	0	63100
TRANSITS	U.S. W.C., HAWAII	EUROPE	0	18	20	0	38
CARGO TONS	U.S. W.C., HAWAII	EUROPE	0	342747	667349	0	1010096
TRANSITS	U.S. W.C., HAWAII	MIDDLE EAST	0	0	0	0	0
CARGO TONS	U.S. W.C., HAWAII	MIDDLE EAST	0	799	0	0	799
TRANSITS	U.S. W.C., HAWAII	S. AMERICA E.C.	0	4	0	0	4
CARGO TONS	U.S. W.C., HAWAII	S. AMERICA E.C.	0	72409	6296	0	78705
TRANSITS	U.S. W.C., HAWAII	U.S. EAST COAST	0	0	0	0	0
CARGO TONS	U.S. W.C., HAWAII	U.S. EAST COAST	0	1842	1396	0	3238
TRANSITS	TOTAL	TOTAL	0	638	155	0	794
CARGO TONS	TOTAL	TOTAL	0	7973705	4080966	0	12054671

2020 Status Quo Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Combined and Dry Bulk Carriers							
TRANSITS	ASIA	AFRICA	0	1	0	0	1
CARGO TONS	ASIA	AFRICA	0	235	26	0	261
TRANSITS	ASIA	CANADA EAST COAST	0	3	5	0	9
CARGO TONS	ASIA	CANADA EAST COAST	0	84920	217356	0	302276
TRANSITS	ASIA	CENTRAL AMERICA E.C., W. INDIE	0	19	3	0	21
CARGO TONS	ASIA	CENTRAL AMERICA E.C., W. INDIE	0	328786	15782	0	344568
TRANSITS	ASIA	EUROPE	0	0	3	0	3
CARGO TONS	ASIA	EUROPE	0	0	122164	0	122164
TRANSITS	ASIA	S. AMERICA E.C.	0	6	0	0	6
CARGO TONS	ASIA	S. AMERICA E.C.	0	136717	15191	0	151908
TRANSITS	ASIA	U.S. EAST COAST	0	174	74	11	259
CARGO TONS	ASIA	U.S. EAST COAST	0	3472891	2435556	436336	6344782
TRANSITS	C. AMERICA W.C.	AFRICA	0	1	0	0	1
CARGO TONS	C. AMERICA W.C.	AFRICA	0	29535	4734	0	34269
TRANSITS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	0	32	4	0	36
CARGO TONS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	0	762271	199128	0	961399
TRANSITS	C. AMERICA W.C.	EUROPE	0	13	4	0	17
CARGO TONS	C. AMERICA W.C.	EUROPE	0	321445	140720	0	462165
TRANSITS	C. AMERICA W.C.	S. AMERICA E.C.	0	10	1	0	10
CARGO TONS	C. AMERICA W.C.	S. AMERICA E.C.	0	122692	13634	0	136326
TRANSITS	C. AMERICA W.C.	U.S. EAST COAST	0	32	9	0	41
CARGO TONS	C. AMERICA W.C.	U.S. EAST COAST	0	939338	352180	0	1291518
TRANSITS	CANADA WEST COAST	AFRICA	0	67	37	0	104
CARGO TONS	CANADA WEST COAST	AFRICA	0	1767485	1732618	0	3500103
TRANSITS	CANADA WEST COAST	CENTRAL AMERICA E.C., W. INDIE	0	4	0	0	5
CARGO TONS	CANADA WEST COAST	CENTRAL AMERICA E.C., W. INDIE	0	94923	10551	0	105474

2020 Status Quo Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Combined and Dry Bulk Carriers (Cont.)							
TRANSITS	CANADA WEST COAST	EUROPE	0	113	127	21	261
CARGO TONS	CANADA WEST COAST	EUROPE	0	2984815	5650102	1180371	9815288
TRANSITS	CANADA WEST COAST	MIDDLE EAST	0	10	13	0	23
CARGO TONS	CANADA WEST COAST	MIDDLE EAST	0	303203	652815	0	956018
TRANSITS	CANADA WEST COAST	S. AMERICA E.C.	0	10	5	2	17
CARGO TONS	CANADA WEST COAST	S. AMERICA E.C.	0	253307	232265	83134	568706
TRANSITS	CANADA WEST COAST	U.S. EAST COAST	0	62	4	0	66
CARGO TONS	CANADA WEST COAST	U.S. EAST COAST	0	1412454	156939	0	1569393
TRANSITS	OCEANIA	AFRICA	0	1	0	0	1
CARGO TONS	OCEANIA	AFRICA	0	4550	506	0	5055
TRANSITS	OCEANIA	CANADA EAST COAST	0	21	1	0	23
CARGO TONS	OCEANIA	CANADA EAST COAST	0	594561	66062	0	660623
TRANSITS	OCEANIA	CENTRAL AMERICA E.C., W. INDIE	0	6	0	0	6
CARGO TONS	OCEANIA	CENTRAL AMERICA E.C., W. INDIE	0	149214	16579	0	165793
TRANSITS	OCEANIA	EUROPE	0	9	1	0	10
CARGO TONS	OCEANIA	EUROPE	0	235087	26121	0	261208
TRANSITS	OCEANIA	S. AMERICA E.C.	0	0	6	9	15
CARGO TONS	OCEANIA	S. AMERICA E.C.	0	0	216328	447055	663383
TRANSITS	OCEANIA	U.S. EAST COAST	0	26	69	47	141
CARGO TONS	OCEANIA	U.S. EAST COAST	0	695978	3083052	2627437	6406467
TRANSITS	S. AMERICA W.C.	AFRICA	0	1	2	0	4
CARGO TONS	S. AMERICA W.C.	AFRICA	0	37234	120072	0	157306
TRANSITS	S. AMERICA W.C.	CANADA EAST COAST	0	0	0	0	0
CARGO TONS	S. AMERICA W.C.	CANADA EAST COAST	0	9284	1032	0	10315
TRANSITS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	0	7	0	0	8
CARGO TONS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	0	129648	14405	0	144053

2020 Status Quo Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Combined and Dry Bulk Carriers (Cont.)							
TRANSITS	S. AMERICA W.C.	EUROPE	0	145	28	0	172
CARGO TONS	S. AMERICA W.C.	EUROPE	0	3932468	1243529	0	5175997
TRANSITS	S. AMERICA W.C.	MIDDLE EAST	0	0	0	0	0
CARGO TONS	S. AMERICA W.C.	MIDDLE EAST	0	4385	487	0	4872
TRANSITS	S. AMERICA W.C.	S. AMERICA E.C.	0	7	0	0	8
CARGO TONS	S. AMERICA W.C.	S. AMERICA E.C.	0	179375	19931	0	199306
TRANSITS	S. AMERICA W.C.	U.S. EAST COAST	0	49	7	0	56
CARGO TONS	S. AMERICA W.C.	U.S. EAST COAST	0	1405921	325804	0	1731725
TRANSITS	U.S. W.C., HAWAII	AFRICA	0	59	70	3	133
CARGO TONS	U.S. W.C., HAWAII	AFRICA	0	1486185	2931769	180649	4598603
TRANSITS	U.S. W.C., HAWAII	CANADA EAST COAST	0	6	1	0	7
CARGO TONS	U.S. W.C., HAWAII	CANADA EAST COAST	0	167960	49285	0	217245
TRANSITS	U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIE	0	2	0	0	2
CARGO TONS	U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIE	0	42818	4758	0	47575
TRANSITS	U.S. W.C., HAWAII	EUROPE	0	46	89	21	156
CARGO TONS	U.S. W.C., HAWAII	EUROPE	0	1226479	4126532	1171293	6524304
TRANSITS	U.S. W.C., HAWAII	S. AMERICA E.C.	0	10	1	0	11
CARGO TONS	U.S. W.C., HAWAII	S. AMERICA E.C.	0	250813	27868	0	278681
TRANSITS	U.S. W.C., HAWAII	U.S. EAST COAST	0	5	2	0	7
CARGO TONS	U.S. W.C., HAWAII	U.S. EAST COAST	0	167123	15998	0	183121
TRANSITS	TOTAL	TOTAL	0	959	568	114	1642
CARGO TONS	TOTAL	TOTAL	0	23734097	24241879	6126274	54102250

2020 Status Quo Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Chemical Tankers							
TRANSITS	ASIA	CENTRAL AMERICA E.C., W. INDIE	2	1	0	0	3
CARGO TONS	ASIA	CENTRAL AMERICA E.C., W. INDIE	11244	23128	0	0	34372
TRANSITS	ASIA	EUROPE	8	12	0	0	20
CARGO TONS	ASIA	EUROPE	53595	283410	0	0	337005
TRANSITS	ASIA	S. AMERICA E.C.	0	3	0	0	3
CARGO TONS	ASIA	S. AMERICA E.C.	0	15986	0	0	15986
TRANSITS	ASIA	U.S. EAST COAST	13	18	2	0	32
CARGO TONS	ASIA	U.S. EAST COAST	48279	432825	56062	0	537167
TRANSITS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	23	0	0	0	23
CARGO TONS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	139115	0	0	0	139115
TRANSITS	C. AMERICA W.C.	EUROPE	5	3	0	0	8
CARGO TONS	C. AMERICA W.C.	EUROPE	29806	95711	0	0	125517
TRANSITS	C. AMERICA W.C.	S. AMERICA E.C.	4	0	0	0	4
CARGO TONS	C. AMERICA W.C.	S. AMERICA E.C.	19154	0	0	0	19154
TRANSITS	C. AMERICA W.C.	U.S. EAST COAST	27	10	1	0	38
CARGO TONS	C. AMERICA W.C.	U.S. EAST COAST	169222	253589	47048	0	469859
TRANSITS	CANADA WEST COAST	EUROPE	0	4	0	0	4
CARGO TONS	CANADA WEST COAST	EUROPE	0	86927	0	0	86927
TRANSITS	CANADA WEST COAST	U.S. EAST COAST	0	30	2	0	32
CARGO TONS	CANADA WEST COAST	U.S. EAST COAST	0	669266	74363	0	743629
TRANSITS	OCEANIA	CENTRAL AMERICA E.C., W. INDIE	0	0	0	0	0
CARGO TONS	OCEANIA	CENTRAL AMERICA E.C., W. INDIE	0	0	0	0	0
TRANSITS	OCEANIA	EUROPE	0	6	0	0	6
CARGO TONS	OCEANIA	EUROPE	0	152815	16979	0	169794
TRANSITS	OCEANIA	U.S. EAST COAST	0	13	5	0	18
CARGO TONS	OCEANIA	U.S. EAST COAST	0	263154	192160	0	455314

2020 Status Quo Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Chemical Tankers (Cont.)							
TRANSITS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	19	3	0	0	22
CARGO TONS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	56740	22480	0	0	79220
TRANSITS	S. AMERICA W.C.	EUROPE	6	2	0	0	8
CARGO TONS	S. AMERICA W.C.	EUROPE	42287	49412	0	0	91699
TRANSITS	S. AMERICA W.C.	S. AMERICA E.C.	1	4	0	0	5
CARGO TONS	S. AMERICA W.C.	S. AMERICA E.C.	2059	51104	0	0	53163
TRANSITS	S. AMERICA W.C.	U.S. EAST COAST	5	2	0	0	7
CARGO TONS	S. AMERICA W.C.	U.S. EAST COAST	21488	21749	4108	0	47344
TRANSITS	U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIE	0	2	0	0	2
CARGO TONS	U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIE	0	37659	0	0	37659
TRANSITS	U.S. W.C., HAWAII	EUROPE	9	6	1	0	16
CARGO TONS	U.S. W.C., HAWAII	EUROPE	47704	145545	21813	0	215062
TRANSITS	U.S. W.C., HAWAII	MIDDLE EAST	0	0	0	0	0
CARGO TONS	U.S. W.C., HAWAII	MIDDLE EAST	0	4180	0	0	4180
TRANSITS	U.S. W.C., HAWAII	S. AMERICA E.C.	0	0	0	0	0
CARGO TONS	U.S. W.C., HAWAII	S. AMERICA E.C.	0	3476	0	0	3476
TRANSITS	U.S. W.C., HAWAII	U.S. EAST COAST	0	4	11	0	15
CARGO TONS	U.S. W.C., HAWAII	U.S. EAST COAST	0	61694	193960	0	255654
TRANSITS	TOTAL	TOTAL	121	122	23	0	266
CARGO TONS	TOTAL	TOTAL	640693	2674110	606493	0	3921296

2020 Status Quo Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Conventional General Cargo Ships							
TRANSITS	ASIA	CANADA EAST COAST	0	0	0	0	0
CARGO TONS	ASIA	CANADA EAST COAST	0	1858	0	0	1858
TRANSITS	ASIA	CENTRAL AMERICA E.C., W. INDIE	0	71	0	0	71
CARGO TONS	ASIA	CENTRAL AMERICA E.C., W. INDIE	0	843708	0	0	843708
TRANSITS	ASIA	EUROPE	0	4	0	0	4
CARGO TONS	ASIA	EUROPE	0	33040	0	0	33040
TRANSITS	ASIA	S. AMERICA E.C.	0	2	0	0	2
CARGO TONS	ASIA	S. AMERICA E.C.	0	12890	0	0	12890
TRANSITS	ASIA	U.S. EAST COAST	0	26	0	0	26
CARGO TONS	ASIA	U.S. EAST COAST	0	339170	0	0	339170
TRANSITS	C. AMERICA W.C.	AFRICA	0	5	0	0	5
CARGO TONS	C. AMERICA W.C.	AFRICA	0	94164	0	0	94164
TRANSITS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	22	3	0	0	25
CARGO TONS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	47405	61388	0	0	108793
TRANSITS	C. AMERICA W.C.	EUROPE	10	11	0	0	21
CARGO TONS	C. AMERICA W.C.	EUROPE	18985	100617	0	0	119602
TRANSITS	C. AMERICA W.C.	S. AMERICA E.C.	4	4	0	0	8
CARGO TONS	C. AMERICA W.C.	S. AMERICA E.C.	12764	37774	0	0	50538
TRANSITS	C. AMERICA W.C.	U.S. EAST COAST	8	2	0	0	10
CARGO TONS	C. AMERICA W.C.	U.S. EAST COAST	28006	23353	0	0	51359
TRANSITS	CANADA WEST COAST	ASIA	0	1	0	0	1
CARGO TONS	CANADA WEST COAST	ASIA	0	3943	0	0	3943
TRANSITS	CANADA WEST COAST	CENTRAL AMERICA E.C., W. INDIE	4	2	0	0	6
CARGO TONS	CANADA WEST COAST	CENTRAL AMERICA E.C., W. INDIE	13759	31408	0	0	45167
TRANSITS	CANADA WEST COAST	EUROPE	0	1	0	0	1
CARGO TONS	CANADA WEST COAST	EUROPE	0	12135	0	0	12135

2020 Status Quo Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Full Container Ships							
TRANSITS	ASIA	AFRICA	0	0	0	0	0
CARGO TONS	ASIA	AFRICA	0	0	238	0	238
TRANSITS	ASIA	ASIA	0	0	0	0	0
CARGO TONS	ASIA	ASIA	0	1254	26	0	1280
TRANSITS	ASIA	CANADA EAST COAST	0	13	22	0	35
CARGO TONS	ASIA	CANADA EAST COAST	0	172659	509341	0	682000
TRANSITS	ASIA	CENTRAL AMERICA E.C., W. INDIE	0	93	5	0	98
CARGO TONS	ASIA	CENTRAL AMERICA E.C., W. INDIE	0	1078316	105460	0	1183776
TRANSITS	ASIA	EUROPE	0	4	14	0	18
CARGO TONS	ASIA	EUROPE	0	55496	263204	0	318700
TRANSITS	ASIA	MIDDLE EAST	0	0	0	0	1
CARGO TONS	ASIA	MIDDLE EAST	0	6031	5728	0	11759
TRANSITS	ASIA	S. AMERICA E.C.	0	2	0	0	2
CARGO TONS	ASIA	S. AMERICA E.C.	0	6502	133	0	6635
TRANSITS	ASIA	U.S. EAST COAST	0	80	490	0	570
CARGO TONS	ASIA	U.S. EAST COAST	0	1050680	8662320	0	9713000
TRANSITS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	0	1	0	0	1
CARGO TONS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	0	4721	182	0	4903
TRANSITS	C. AMERICA W.C.	EUROPE	0	2	0	0	2
CARGO TONS	C. AMERICA W.C.	EUROPE	0	21240	433	0	21673
TRANSITS	C. AMERICA W.C.	MIDDLE EAST	0	0	0	0	0
CARGO TONS	C. AMERICA W.C.	MIDDLE EAST	0	10	0	0	10
TRANSITS	C. AMERICA W.C.	S. AMERICA E.C.	0	0	0	0	0
CARGO TONS	C. AMERICA W.C.	S. AMERICA E.C.	0	3435	147	0	3582
TRANSITS	C. AMERICA W.C.	U.S. EAST COAST	0	0	0	0	0
CARGO TONS	C. AMERICA W.C.	U.S. EAST COAST	0	3330	68	0	3398

2020 Status Quo Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Full Container Ships (Cont.)							
TRANSITS	CANADA WEST COAST	EUROPE	0	30	3	0	32
CARGO TONS	CANADA WEST COAST	EUROPE	0	413067	77933	0	491000
TRANSITS	OCEANIA	CANADA EAST COAST	0	6	0	0	6
CARGO TONS	OCEANIA	CANADA EAST COAST	0	89892	3689	0	93581
TRANSITS	OCEANIA	CENTRAL AMERICA E.C., W. INDIE	0	2	0	0	2
CARGO TONS	OCEANIA	CENTRAL AMERICA E.C., W. INDIE	0	23411	478	0	23889
TRANSITS	OCEANIA	S. AMERICA E.C.	0	0	0	0	0
CARGO TONS	OCEANIA	S. AMERICA E.C.	0	912	19	0	931
TRANSITS	OCEANIA	U.S. EAST COAST	0	44	1	0	45
CARGO TONS	OCEANIA	U.S. EAST COAST	0	688065	28107	0	716172
TRANSITS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	0	0	0	0	0
CARGO TONS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	115	454	15	0	584
TRANSITS	S. AMERICA W.C.	EUROPE	0	102	2	0	103
CARGO TONS	S. AMERICA W.C.	EUROPE	0	1922809	43258	0	1966067
TRANSITS	S. AMERICA W.C.	S. AMERICA E.C.	0	0	0	0	0
CARGO TONS	S. AMERICA W.C.	S. AMERICA E.C.	0	43	1	0	44
TRANSITS	S. AMERICA W.C.	U.S. EAST COAST	0	46	0	0	46
CARGO TONS	S. AMERICA W.C.	U.S. EAST COAST	0	473225	9658	0	482883
TRANSITS	U.S. W.C., HAWAII	AFRICA	0	0	0	0	0
CARGO TONS	U.S. W.C., HAWAII	AFRICA	0	0	12	0	12
TRANSITS	U.S. W.C., HAWAII	CANADA EAST COAST	0	0	0	0	0
CARGO TONS	U.S. W.C., HAWAII	CANADA EAST COAST	0	3092	2201	0	5293
TRANSITS	U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIE	5	3	0	0	7
CARGO TONS	U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIE	1417	37849	2979	0	42245
TRANSITS	U.S. W.C., HAWAII	EUROPE	0	114	57	0	171
CARGO TONS	U.S. W.C., HAWAII	EUROPE	0	1571127	1056873	0	2628000

2020 Status Quo Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Full Container Ships (Cont.)							
TRANSITS	U.S. W.C., HAWAII	MIDDLE EAST	0	7	0	0	8
CARGO TONS	U.S. W.C., HAWAII	MIDDLE EAST	0	95142	8067	0	103209
TRANSITS	U.S. W.C., HAWAII	U.S. EAST COAST	0	6	7	0	13
CARGO TONS	U.S. W.C., HAWAII	U.S. EAST COAST	0	57611	110236	0	167847
TRANSITS	TOTAL	TOTAL	5	554	602	0	1160
CARGO TONS	TOTAL	TOTAL	1532	7780374	10890805	0	18672711

2020 Status Quo Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Conventional General Cargo Ships (Cont.)							
TRANSITS	CANADA WEST COAST	MIDDLE EAST	0	1	0	0	1
CARGO TONS	CANADA WEST COAST	MIDDLE EAST	0	5971	0	0	5971
TRANSITS	CANADA WEST COAST	S. AMERICA E.C.	3	3	0	0	6
CARGO TONS	CANADA WEST COAST	S. AMERICA E.C.	13367	44186	0	0	57553
TRANSITS	OCEANIA	AFRICA	0	1	0	0	1
CARGO TONS	OCEANIA	AFRICA	0	4405	0	0	4405
TRANSITS	OCEANIA	CENTRAL AMERICA E.C., W. INDIE	0	0	0	0	0
CARGO TONS	OCEANIA	CENTRAL AMERICA E.C., W. INDIE	0	2761	0	0	2761
TRANSITS	OCEANIA	EUROPE	0	0	0	0	0
CARGO TONS	OCEANIA	EUROPE	0	387	0	0	387
TRANSITS	OCEANIA	S. AMERICA E.C.	6	0	0	0	6
CARGO TONS	OCEANIA	S. AMERICA E.C.	14114	1227	0	0	15341
TRANSITS	OCEANIA	U.S. EAST COAST	1	0	0	0	1
CARGO TONS	OCEANIA	U.S. EAST COAST	2002	4682	0	0	6684
TRANSITS	S. AMERICA W.C.	AFRICA	0	4	0	0	4
CARGO TONS	S. AMERICA W.C.	AFRICA	0	81044	0	0	81044
TRANSITS	S. AMERICA W.C.	CANADA EAST COAST	0	0	0	0	0
CARGO TONS	S. AMERICA W.C.	CANADA EAST COAST	0	5960	0	0	5960
TRANSITS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	33	8	0	0	41
CARGO TONS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	96082	81283	0	0	177365
TRANSITS	S. AMERICA W.C.	EUROPE	0	98	0	0	98
CARGO TONS	S. AMERICA W.C.	EUROPE	0	1601431	0	0	1601431
TRANSITS	S. AMERICA W.C.	MIDDLE EAST	0	2	0	0	2
CARGO TONS	S. AMERICA W.C.	MIDDLE EAST	0	22753	0	0	22753
TRANSITS	S. AMERICA W.C.	S. AMERICA E.C.	31	7	0	0	38
CARGO TONS	S. AMERICA W.C.	S. AMERICA E.C.	99789	58820	0	0	158609

2020 Status Quo Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Conventional General Cargo Ships (Cont.)							
TRANSITS	S. AMERICA W.C.	U.S. EAST COAST	11	16	0	0	27
CARGO TONS	S. AMERICA W.C.	U.S. EAST COAST	29477	175315	0	0	204792
TRANSITS	U.S. W.C., HAWAII	AFRICA	0	2	0	0	2
CARGO TONS	U.S. W.C., HAWAII	AFRICA	0	25419	0	0	25419
TRANSITS	U.S. W.C., HAWAII	ASIA	0	1	0	0	1
CARGO TONS	U.S. W.C., HAWAII	ASIA	0	316	0	0	316
TRANSITS	U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIE	1	0	0	0	1
CARGO TONS	U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIE	432	38	0	0	470
TRANSITS	U.S. W.C., HAWAII	EUROPE	2	1	0	0	3
CARGO TONS	U.S. W.C., HAWAII	EUROPE	7843	23286	0	0	31129
TRANSITS	U.S. W.C., HAWAII	S. AMERICA E.C.	5	1	0	0	6
CARGO TONS	U.S. W.C., HAWAII	S. AMERICA E.C.	8946	6195	0	0	15141
TRANSITS	TOTAL	TOTAL	142	277	0	0	420
CARGO TONS	TOTAL	TOTAL	392970	3740928	0	0	4133898

2020 Status Quo Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Liquified Petroleum Gas Carriers							
TRANSITS	ASIA	U.S. EAST COAST	0	0	0	0	0
CARGO TONS	ASIA	U.S. EAST COAST	0	0	0	0	0
TRANSITS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	4	0	0	0	4
CARGO TONS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	18367	0	0	0	18367
TRANSITS	OCEANIA	U.S. EAST COAST	0	4	1	0	6
CARGO TONS	OCEANIA	U.S. EAST COAST	0	45298	45364	0	90662
TRANSITS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	0	0	0	0	0
CARGO TONS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	0	0	0	0	0
TRANSITS	S. AMERICA W.C.	U.S. EAST COAST	0	0	0	0	0
CARGO TONS	S. AMERICA W.C.	U.S. EAST COAST	0	0	0	0	0
TRANSITS	TOTAL	TOTAL	4	4	1	0	10
CARGO TONS	TOTAL	TOTAL	18367	45298	45364	0	109029

2020 Status Quo Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Refrigerated Cargo Ships							
TRANSITS	ASIA	AFRICA	2	0	0	0	2
CARGO TONS	ASIA	AFRICA	1962	491	0	0	2453
TRANSITS	ASIA	CENTRAL AMERICA E.C., W. INDIE	5	15	0	0	20
CARGO TONS	ASIA	CENTRAL AMERICA E.C., W. INDIE	20851	50087	0	0	70938
TRANSITS	ASIA	S. AMERICA E.C.	4	1	0	0	5
CARGO TONS	ASIA	S. AMERICA E.C.	2526	631	0	0	3157
TRANSITS	ASIA	U.S. EAST COAST	0	0	0	0	0
CARGO TONS	ASIA	U.S. EAST COAST	14	3	0	0	17
TRANSITS	C. AMERICA W.C.	AFRICA	1	0	0	0	1
CARGO TONS	C. AMERICA W.C.	AFRICA	2375	594	0	0	2969
TRANSITS	C. AMERICA W.C.	CANADA EAST COAST	0	0	0	0	0
CARGO TONS	C. AMERICA W.C.	CANADA EAST COAST	1961	490	0	0	2451
TRANSITS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	0	20	0	0	20
CARGO TONS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	1153	131218	0	0	132371
TRANSITS	C. AMERICA W.C.	EUROPE	42	176	0	0	219
CARGO TONS	C. AMERICA W.C.	EUROPE	144703	842551	0	0	987254
TRANSITS	C. AMERICA W.C.	S. AMERICA E.C.	1	0	0	0	1
CARGO TONS	C. AMERICA W.C.	S. AMERICA E.C.	3294	823	0	0	4117
TRANSITS	C. AMERICA W.C.	U.S. EAST COAST	1	0	0	0	1
CARGO TONS	C. AMERICA W.C.	U.S. EAST COAST	1216	304	0	0	1520
TRANSITS	CANADA WEST COAST	AFRICA	0	0	0	0	0
CARGO TONS	CANADA WEST COAST	AFRICA	0	0	0	0	0
TRANSITS	CANADA WEST COAST	EUROPE	2	1	0	0	5
CARGO TONS	CANADA WEST COAST	EUROPE	13756	14713	0	0	69890
TRANSITS	OCEANIA	CENTRAL AMERICA E.C., W. INDIE	2	0	0	0	3
CARGO TONS	OCEANIA	CENTRAL AMERICA E.C., W. INDIE	14526	3632	0	0	18158

2020 Status Quo Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Refrigerated Cargo Ships (Cont.)							
TRANSITS	OCEANIA	EUROPE	86	89	0	0	175
CARGO TONS	OCEANIA	EUROPE	308967	492019	0	0	800986
TRANSITS	OCEANIA	S. AMERICA E.C.	2	0	0	0	2
CARGO TONS	OCEANIA	S. AMERICA E.C.	1352	338	0	0	1690
TRANSITS	OCEANIA	U.S. EAST COAST	26	6	0	0	33
CARGO TONS	OCEANIA	U.S. EAST COAST	96784	19690	0	0	116474
TRANSITS	S. AMERICA W.C.	AFRICA	9	5	0	0	14
CARGO TONS	S. AMERICA W.C.	AFRICA	31495	18546	0	0	50041
TRANSITS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	7	14	0	0	21
CARGO TONS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	34051	77033	0	0	111084
TRANSITS	S. AMERICA W.C.	EUROPE	425	503	0	0	928
CARGO TONS	S. AMERICA W.C.	EUROPE	1695984	2974033	0	0	4670017
TRANSITS	S. AMERICA W.C.	MIDDLE EAST	5	1	0	0	5
CARGO TONS	S. AMERICA W.C.	MIDDLE EAST	13444	3361	0	0	16805
TRANSITS	S. AMERICA W.C.	S. AMERICA E.C.	9	3	0	0	12
CARGO TONS	S. AMERICA W.C.	S. AMERICA E.C.	19049	4857	0	0	23906
TRANSITS	S. AMERICA W.C.	U.S. EAST COAST	235	372	0	0	607
CARGO TONS	S. AMERICA W.C.	U.S. EAST COAST	569201	1657209	0	0	2226410
TRANSITS	U.S. W.C., HAWAII	EUROPE	87	39	0	0	126
CARGO TONS	U.S. W.C., HAWAII	EUROPE	494508	177798	0	0	672306
TRANSITS	U.S. W.C., HAWAII	S. AMERICA E.C.	1	0	0	0	1
CARGO TONS	U.S. W.C., HAWAII	S. AMERICA E.C.	2288	253	0	0	2541
TRANSITS	TOTAL	TOTAL	954	1246	0	0	2200
CARGO TONS	TOTAL	TOTAL	3475462	6470672	0	0	9946134

2020 Status Quo Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Roll-On Roll-Off Ships							
TRANSITS	ASIA	CANADA EAST COAST	1	0	0	0	2
CARGO TONS	ASIA	CANADA EAST COAST	3302	3619	1383	0	8304
TRANSITS	ASIA	CENTRAL AMERICA E.C., W. INDIE	0	16	8	0	24
CARGO TONS	ASIA	CENTRAL AMERICA E.C., W. INDIE	0	263149	209397	0	472546
TRANSITS	ASIA	EUROPE	2	0	0	0	3
CARGO TONS	ASIA	EUROPE	7284	1327	11440	0	20051
TRANSITS	ASIA	U.S. EAST COAST	2	26	13	0	40
CARGO TONS	ASIA	U.S. EAST COAST	4095	423724	338664	0	766483
TRANSITS	C. AMERICA W.C.	EUROPE	0	12	0	0	12
CARGO TONS	C. AMERICA W.C.	EUROPE	0	63911	0	0	63911
TRANSITS	C. AMERICA W.C.	S. AMERICA E.C.	0	0	0	0	0
CARGO TONS	C. AMERICA W.C.	S. AMERICA E.C.	0	208	0	0	208
TRANSITS	C. AMERICA W.C.	U.S. EAST COAST	0	1	0	0	1
CARGO TONS	C. AMERICA W.C.	U.S. EAST COAST	0	562	0	0	562
TRANSITS	CANADA WEST COAST	CENTRAL AMERICA E.C., W. INDIE	0	0	0	0	0
CARGO TONS	CANADA WEST COAST	CENTRAL AMERICA E.C., W. INDIE	399	12	0	0	411
TRANSITS	OCEANIA	CENTRAL AMERICA E.C., W. INDIE	0	0	0	0	0
CARGO TONS	OCEANIA	CENTRAL AMERICA E.C., W. INDIE	0	96	5	0	101
TRANSITS	OCEANIA	EUROPE	0	0	0	0	0
CARGO TONS	OCEANIA	EUROPE	0	12	67	0	79
TRANSITS	OCEANIA	U.S. EAST COAST	0	1	0	0	1
CARGO TONS	OCEANIA	U.S. EAST COAST	0	4222	2176	0	6398
TRANSITS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	11	0	0	0	12
CARGO TONS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	22733	703	0	0	23436
TRANSITS	S. AMERICA W.C.	EUROPE	0	1	0	0	1
CARGO TONS	S. AMERICA W.C.	EUROPE	0	3049	0	0	3049

2020 Status Quo Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Roll-On Roll-Off Ships (Cont.)							
TRANSITS	S. AMERICA W.C.	S. AMERICA E.C.	1	0	0	0	1
CARGO TONS	S. AMERICA W.C.	S. AMERICA E.C.	3391	105	0	0	3496
TRANSITS	S. AMERICA W.C.	U.S. EAST COAST	6	0	0	0	6
CARGO TONS	S. AMERICA W.C.	U.S. EAST COAST	12537	388	0	0	12925
TRANSITS	U.S. W.C., HAWAII	CANADA EAST COAST	1	0	0	0	1
CARGO TONS	U.S. W.C., HAWAII	CANADA EAST COAST	2213	68	0	0	2281
TRANSITS	U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIE	0	0	1	0	1
CARGO TONS	U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIE	0	5325	17317	0	22642
TRANSITS	U.S. W.C., HAWAII	EUROPE	0	0	0	0	0
CARGO TONS	U.S. W.C., HAWAII	EUROPE	0	142	351	0	493
TRANSITS	U.S. W.C., HAWAII	U.S. EAST COAST	0	0	0	0	0
CARGO TONS	U.S. W.C., HAWAII	U.S. EAST COAST	0	2892	2039	0	4931
TRANSITS	TOTAL	TOTAL	25	59	22	0	106
CARGO TONS	TOTAL	TOTAL	55954	773514	582839	0	1412307

2020 Status Quo Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Oil Tankers							
TRANSITS	ASIA	AFRICA	0	0	0	0	0
CARGO TONS	ASIA	AFRICA	41	0	0	0	41
TRANSITS	ASIA	EUROPE	0	1	0	0	1
CARGO TONS	ASIA	EUROPE	0	28696	586	0	29282
TRANSITS	ASIA	U.S. EAST COAST	0	1	0	0	1
CARGO TONS	ASIA	U.S. EAST COAST	0	29221	596	0	29817
TRANSITS	C. AMERICA W.C.	AFRICA	0	0	0	0	0
CARGO TONS	C. AMERICA W.C.	AFRICA	37	0	0	0	37
TRANSITS	C. AMERICA W.C.	CANADA EAST COAST	0	0	0	0	0
CARGO TONS	C. AMERICA W.C.	CANADA EAST COAST	0	3640	74	0	3714
TRANSITS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	7	7	0	0	14
CARGO TONS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	24541	59144	1355	0	85040
TRANSITS	C. AMERICA W.C.	EUROPE	0	3	0	0	3
CARGO TONS	C. AMERICA W.C.	EUROPE	0	68520	1398	0	69918
TRANSITS	C. AMERICA W.C.	S. AMERICA E.C.	2	0	0	0	2
CARGO TONS	C. AMERICA W.C.	S. AMERICA E.C.	7931	0	0	0	7931
TRANSITS	C. AMERICA W.C.	U.S. EAST COAST	4	3	0	0	7
CARGO TONS	C. AMERICA W.C.	U.S. EAST COAST	12993	39434	920	0	53347
TRANSITS	CANADA WEST COAST	U.S. EAST COAST	0	1	4	1	6
CARGO TONS	CANADA WEST COAST	U.S. EAST COAST	0	19655	193278	39608	252541
TRANSITS	OCEANIA	EUROPE	0	1	0	0	1
CARGO TONS	OCEANIA	EUROPE	0	37611	768	0	38379
TRANSITS	OCEANIA	U.S. EAST COAST	4	3	2	0	9
CARGO TONS	OCEANIA	U.S. EAST COAST	14663	66354	72118	0	153135
TRANSITS	S. AMERICA W.C.	CANADA EAST COAST	1	1	0	0	2
CARGO TONS	S. AMERICA W.C.	CANADA EAST COAST	3944	31406	706	0	36057

2020 Status Quo Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Oil Tankers (Cont.)							
TRANSITS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	3	14	26	1	45
CARGO TONS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	5813	325282	1272555	32843	1636493
TRANSITS	S. AMERICA W.C.	EUROPE	9	3	0	0	12
CARGO TONS	S. AMERICA W.C.	EUROPE	22275	81500	2391	0	106166
TRANSITS	S. AMERICA W.C.	S. AMERICA E.C.	7	1	0	0	8
CARGO TONS	S. AMERICA W.C.	S. AMERICA E.C.	18771	7636	363	0	26770
TRANSITS	S. AMERICA W.C.	U.S. EAST COAST	0	24	24	0	47
CARGO TONS	S. AMERICA W.C.	U.S. EAST COAST	0	614606	1127112	16133	1757852
TRANSITS	U.S. W.C., HAWAII	AFRICA	3	0	0	4	8
CARGO TONS	U.S. W.C., HAWAII	AFRICA	691	0	0	223444	224135
TRANSITS	U.S. W.C., HAWAII	CANADA EAST COAST	0	1	0	0	1
CARGO TONS	U.S. W.C., HAWAII	CANADA EAST COAST	0	20444	417	0	20861
TRANSITS	U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIE	0	4	2	2	8
CARGO TONS	U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIE	0	78612	99007	122944	300563
TRANSITS	U.S. W.C., HAWAII	S. AMERICA E.C.	0	1	1	0	2
CARGO TONS	U.S. W.C., HAWAII	S. AMERICA E.C.	217	34665	51623	0	86505
TRANSITS	U.S. W.C., HAWAII	U.S. EAST COAST	0	6	1	1	8
CARGO TONS	U.S. W.C., HAWAII	U.S. EAST COAST	0	133609	32181	60559	226349
TRANSITS	TOTAL	TOTAL	41	75	60	10	185
CARGO TONS	TOTAL	TOTAL	111918	1680035	2857449	495530	5144933

2020 Status Quo Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Vehicle Carriers							
TRANSITS	ASIA	AFRICA	0	1	0	0	1
CARGO TONS	ASIA	AFRICA	0	4721	0	0	4721
TRANSITS	ASIA	CENTRAL AMERICA E.C., W. INDIE	5	8	0	0	13
CARGO TONS	ASIA	CENTRAL AMERICA E.C., W. INDIE	6089	26489	0	0	32578
TRANSITS	ASIA	EUROPE	0	10	0	0	10
CARGO TONS	ASIA	EUROPE	0	54868	0	0	54868
TRANSITS	ASIA	S. AMERICA E.C.	0	0	0	0	0
CARGO TONS	ASIA	S. AMERICA E.C.	29	170	0	0	199
TRANSITS	ASIA	U.S. EAST COAST	30	388	0	0	419
CARGO TONS	ASIA	U.S. EAST COAST	77322	1882162	0	0	1959484
TRANSITS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	1	0	0	0	1
CARGO TONS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	1143	21	0	0	1164
TRANSITS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	0	0	0	0	0
CARGO TONS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	78	0	0	0	78
TRANSITS	TOTAL	TOTAL	36	407	0	0	443
CARGO TONS	TOTAL	TOTAL	84662	1968430	0	0	2053092

2020 Status Quo Vessel Transits

Laden Southbound

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Container-Breakbulk Ships							
TRANSITS	AFRICA	C. AMERICA W.C.	0	2	0	0	3
CARGO TONS	AFRICA	C. AMERICA W.C.	0	65751	11633	0	77384
TRANSITS	AFRICA	CANADA WEST COAST	0	0	0	0	0
CARGO TONS	AFRICA	CANADA WEST COAST	0	1478	261	0	1739
TRANSITS	AFRICA	U.S. W.C., HAWAII	0	1	0	0	1
CARGO TONS	AFRICA	U.S. W.C., HAWAII	0	7315	1291	0	8606
TRANSITS	ASIA	C. AMERICA W.C.	0	3	0	0	3
CARGO TONS	ASIA	C. AMERICA W.C.	0	49127	8669	0	57796
TRANSITS	CANADA EAST COAST	ASIA	0	8	6	0	14
CARGO TONS	CANADA EAST COAST	ASIA	0	167991	199416	0	367407
TRANSITS	CANADA EAST COAST	C. AMERICA W.C.	0	1	0	0	1
CARGO TONS	CANADA EAST COAST	C. AMERICA W.C.	0	7630	1347	0	8977
TRANSITS	CANADA EAST COAST	OCEANIA	0	1	0	0	1
CARGO TONS	CANADA EAST COAST	OCEANIA	0	11073	1954	0	13027
TRANSITS	CANADA EAST COAST	S. AMERICA W.C.	0	0	0	0	1
CARGO TONS	CANADA EAST COAST	S. AMERICA W.C.	0	8809	704	0	9513
TRANSITS	CANADA EAST COAST	U.S. W.C., HAWAII	0	0	0	0	0
CARGO TONS	CANADA EAST COAST	U.S. W.C., HAWAII	0	54	9	0	63
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	ASIA	0	8	1	0	9
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	ASIA	0	162619	33492	0	196111
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	0	6	1	0	7
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	0	22624	3993	0	26617
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	CANADA WEST COAST	0	2	0	0	2
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	CANADA WEST COAST	0	26766	4723	0	31489
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	OCEANIA	0	1	0	0	1
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	OCEANIA	0	16715	2950	0	19665

2020 Status Quo Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Container-Breakbulk Ships (Cont.)							
TRANSITS	CENTRAL AMERICA E.C., W. INDIES.	AMERICA W.C.	0	17	2	0	18
CARGO TONS	CENTRAL AMERICA E.C., W. INDIES.	AMERICA W.C.	0	122244	21572	0	143816
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	0	3	0	0	4
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	0	58483	14847	0	73330
TRANSITS	EUROPE	ASIA	0	4	1	0	5
CARGO TONS	EUROPE	ASIA	0	74646	9909	0	84555
TRANSITS	EUROPE	C. AMERICA W.C.	0	20	2	0	22
CARGO TONS	EUROPE	C. AMERICA W.C.	0	116547	20567	0	137114
TRANSITS	EUROPE	CANADA WEST COAST	0	1	3	0	4
CARGO TONS	EUROPE	CANADA WEST COAST	0	11940	110653	0	122593
TRANSITS	EUROPE	OCEANIA	0	59	6	0	65
CARGO TONS	EUROPE	OCEANIA	0	647478	123155	0	770633
TRANSITS	EUROPE	S. AMERICA W.C.	0	83	8	0	91
CARGO TONS	EUROPE	S. AMERICA W.C.	0	639316	112820	0	752136
TRANSITS	EUROPE	U.S. W.C., HAWAII	0	5	19	0	24
CARGO TONS	EUROPE	U.S. W.C., HAWAII	201	98483	633537	0	732221
TRANSITS	S. AMERICA E.C.	ASIA	0	75	16	0	90
CARGO TONS	S. AMERICA E.C.	ASIA	0	1402298	576591	0	1978889
TRANSITS	S. AMERICA E.C.	C. AMERICA W.C.	0	8	1	0	9
CARGO TONS	S. AMERICA E.C.	C. AMERICA W.C.	0	123071	17496	0	140567
TRANSITS	S. AMERICA E.C.	CANADA WEST COAST	0	10	1	0	11
CARGO TONS	S. AMERICA E.C.	CANADA WEST COAST	0	130193	21781	0	151974
TRANSITS	S. AMERICA E.C.	OCEANIA	0	5	1	0	6
CARGO TONS	S. AMERICA E.C.	OCEANIA	0	84576	14925	0	99501
TRANSITS	S. AMERICA E.C.	S. AMERICA W.C.	0	31	3	0	34
CARGO TONS	S. AMERICA E.C.	S. AMERICA W.C.	0	279684	89048	0	368732

2020 Status Quo Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Container-Breakbulk Ships (Cont.)							
TRANSITS	S. AMERICA E.C.	U.S. W.C., HAWAII	0	35	4	0	38
CARGO TONS	S. AMERICA E.C.	U.S. W.C., HAWAII	0	462162	109864	0	572026
TRANSITS	U.S. EAST COAST	ASIA	0	101	71	0	172
CARGO TONS	U.S. EAST COAST	ASIA	0	2113155	2233708	0	4346863
TRANSITS	U.S. EAST COAST	C. AMERICA W.C.	0	9	1	0	10
CARGO TONS	U.S. EAST COAST	C. AMERICA W.C.	0	166102	34999	0	201101
TRANSITS	U.S. EAST COAST	OCEANIA	0	16	4	0	20
CARGO TONS	U.S. EAST COAST	OCEANIA	0	252751	156288	0	409039
TRANSITS	U.S. EAST COAST	S. AMERICA W.C.	0	142	18	0	160
CARGO TONS	U.S. EAST COAST	S. AMERICA W.C.	0	1084033	510849	0	1594882
TRANSITS	U.S. EAST COAST	U.S. W.C., HAWAII	0	0	0	0	0
CARGO TONS	U.S. EAST COAST	U.S. W.C., HAWAII	0	0	195	0	195
TRANSITS	TOTAL	TOTAL	0	657	169	0	827
CARGO TONS	TOTAL	TOTAL	201	8407231	5081464	0	13488895

2020 Status Quo Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Combined and Dry Bulk Carriers							
TRANSITS	AFRICA	C. AMERICA W.C.	0	14	1	0	15
CARGO TONS	AFRICA	C. AMERICA W.C.	0	435102	48345	0	483447
TRANSITS	AFRICA	CANADA WEST COAST	0	26	11	0	36
CARGO TONS	AFRICA	CANADA WEST COAST	0	802559	551637	0	1354196
TRANSITS	AFRICA	OCEANIA	0	5	2	0	7
CARGO TONS	AFRICA	OCEANIA	0	154122	100202	0	254324
TRANSITS	AFRICA	S. AMERICA W.C.	0	4	0	0	5
CARGO TONS	AFRICA	S. AMERICA W.C.	0	115292	12810	0	128102
TRANSITS	AFRICA	U.S. W.C., HAWAII	0	4	3	0	7
CARGO TONS	AFRICA	U.S. W.C., HAWAII	0	61476	99718	0	161194
TRANSITS	CANADA EAST COAST	ASIA	0	47	25	2	75
CARGO TONS	CANADA EAST COAST	ASIA	0	1306139	1078702	112914	2497755
TRANSITS	CANADA EAST COAST	OCEANIA	0	3	1	0	3
CARGO TONS	CANADA EAST COAST	OCEANIA	0	51012	6977	0	57989
TRANSITS	CANADA EAST COAST	S. AMERICA W.C.	0	5	1	0	6
CARGO TONS	CANADA EAST COAST	S. AMERICA W.C.	0	117568	44984	0	162552
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	ASIA	0	21	1	0	22
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	ASIA	0	575154	63906	0	639060
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	0	24	2	0	26
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	0	613438	68160	0	681598
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	CANADA WEST COAST	0	2	0	0	2
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	CANADA WEST COAST	0	49133	5459	0	54592
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	OCEANIA	0	0	0	0	1
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	OCEANIA	0	9859	1095	0	10954
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	S. AMERICA W.C.	0	12	1	0	13
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	S. AMERICA W.C.	0	281254	31250	0	312504

2020 Status Quo Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Combined and Dry Bulk Carriers (Cont.)							
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	0	9	1	0	9
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	0	211984	23554	0	235538
TRANSITS	EUROPE	ASIA	0	5	3	0	9
CARGO TONS	EUROPE	ASIA	0	118271	132789	0	251060
TRANSITS	EUROPE	C. AMERICA W.C.	0	30	2	0	32
CARGO TONS	EUROPE	C. AMERICA W.C.	0	716977	79664	0	796641
TRANSITS	EUROPE	CANADA WEST COAST	0	8	3	0	12
CARGO TONS	EUROPE	CANADA WEST COAST	0	153310	132756	0	286066
TRANSITS	EUROPE	OCEANIA	0	5	0	0	6
CARGO TONS	EUROPE	OCEANIA	0	132256	14695	0	146951
TRANSITS	EUROPE	S. AMERICA W.C.	0	11	1	0	12
CARGO TONS	EUROPE	S. AMERICA W.C.	0	268062	29785	0	297847
TRANSITS	EUROPE	U.S. W.C., HAWAII	0	90	36	0	126
CARGO TONS	EUROPE	U.S. W.C., HAWAII	0	1732042	1369841	0	3101883
TRANSITS	MIDDLE EAST	S. AMERICA W.C.	0	0	1	0	1
CARGO TONS	MIDDLE EAST	S. AMERICA W.C.	0	0	52140	0	52140
TRANSITS	S. AMERICA E.C.	ASIA	0	51	22	0	73
CARGO TONS	S. AMERICA E.C.	ASIA	0	1384864	999073	0	2383937
TRANSITS	S. AMERICA E.C.	C. AMERICA W.C.	0	8	1	0	8
CARGO TONS	S. AMERICA E.C.	C. AMERICA W.C.	0	222422	24700	0	247122
TRANSITS	S. AMERICA E.C.	CANADA WEST COAST	0	3	0	0	3
CARGO TONS	S. AMERICA E.C.	CANADA WEST COAST	0	59605	6623	0	66228
TRANSITS	S. AMERICA E.C.	S. AMERICA W.C.	0	27	4	0	32
CARGO TONS	S. AMERICA E.C.	S. AMERICA W.C.	0	690215	147778	0	837993
TRANSITS	S. AMERICA E.C.	U.S. W.C., HAWAII	0	14	8	9	31
CARGO TONS	S. AMERICA E.C.	U.S. W.C., HAWAII	0	358895	346351	423167	1128413

2020 Status Quo Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Combined and Dry Bulk Carriers (Cont.)							
TRANSITS	U.S. EAST COAST	ASIA	0	206	759	143	1107
CARGO TONS	U.S. EAST COAST	ASIA	0	5824311	34793035	7956819	48474165
TRANSITS	U.S. EAST COAST	C. AMERICA W.C.	0	191	21	0	212
CARGO TONS	U.S. EAST COAST	C. AMERICA W.C.	0	5417444	814490	0	6231934
TRANSITS	U.S. EAST COAST	CANADA WEST COAST	0	1	0	0	1
CARGO TONS	U.S. EAST COAST	CANADA WEST COAST	0	16797	8202	0	25000
TRANSITS	U.S. EAST COAST	OCEANIA	0	18	3	0	21
CARGO TONS	U.S. EAST COAST	OCEANIA	0	501197	144354	0	645551
TRANSITS	U.S. EAST COAST	S. AMERICA W.C.	0	49	5	0	52
CARGO TONS	U.S. EAST COAST	S. AMERICA W.C.	0	1239541	216522	0	1456066
TRANSITS	U.S. EAST COAST	U.S. W.C., HAWAII	0	1	0	0	1
CARGO TONS	U.S. EAST COAST	U.S. W.C., HAWAII	0	334	37	0	371
TRANSITS	TOTAL	TOTAL	0	896	930	154	1964
CARGO TONS	TOTAL	TOTAL	0	23749921	41449638	8392900	73592459

2020 Status Quo Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Chemical Tankers							
TRANSITS	AFRICA	S. AMERICA W.C.	0	1	0	0	1
CARGO TONS	AFRICA	S. AMERICA W.C.	0	31724	0	0	31724
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	ASIA	1	8	0	0	9
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	ASIA	2306	245293	0	0	247599
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	0	9	0	0	9
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	0	206933	0	0	206933
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	S. AMERICA W.C.	5	6	0	0	11
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	S. AMERICA W.C.	32578	152954	0	0	185532
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	1	0	0	0	1
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	10277	0	0	0	10277
TRANSITS	EUROPE	ASIA	0	13	1	0	14
CARGO TONS	EUROPE	ASIA	2277	357048	39945	0	399270
TRANSITS	EUROPE	C. AMERICA W.C.	6	0	0	0	6
CARGO TONS	EUROPE	C. AMERICA W.C.	30233	0	0	0	30233
TRANSITS	EUROPE	OCEANIA	0	9	0	0	10
CARGO TONS	EUROPE	OCEANIA	1529	185317	0	0	186846
TRANSITS	EUROPE	S. AMERICA W.C.	5	1	0	0	6
CARGO TONS	EUROPE	S. AMERICA W.C.	36125	24223	0	0	60348
TRANSITS	EUROPE	U.S. W.C., HAWAII	3	6	0	0	9
CARGO TONS	EUROPE	U.S. W.C., HAWAII	17056	164884	0	0	181940
TRANSITS	S. AMERICA E.C.	C. AMERICA W.C.	8	1	0	0	8
CARGO TONS	S. AMERICA E.C.	C. AMERICA W.C.	46196	14413	0	0	60609
TRANSITS	S. AMERICA E.C.	S. AMERICA W.C.	0	8	0	0	8
CARGO TONS	S. AMERICA E.C.	S. AMERICA W.C.	0	187897	0	0	187897
TRANSITS	S. AMERICA E.C.	U.S. W.C., HAWAII	0	0	2	0	2
CARGO TONS	S. AMERICA E.C.	U.S. W.C., HAWAII	0	0	83921	0	83921

2020 Status Quo Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Chemical Tankers (Cont.)							
TRANSITS	U.S. EAST COAST	ASIA	57	470	38	0	565
CARGO TONS	U.S. EAST COAST	ASIA	370248	13872222	1585815	0	15828284
TRANSITS	U.S. EAST COAST	C. AMERICA W.C.	16	2	0	0	18
CARGO TONS	U.S. EAST COAST	C. AMERICA W.C.	93710	52366	0	0	146076
TRANSITS	U.S. EAST COAST	CANADA WEST COAST	5	0	0	0	5
CARGO TONS	U.S. EAST COAST	CANADA WEST COAST	32755	3612	0	0	36367
TRANSITS	U.S. EAST COAST	OCEANIA	4	10	2	0	17
CARGO TONS	U.S. EAST COAST	OCEANIA	26221	290568	91745	0	408534
TRANSITS	U.S. EAST COAST	S. AMERICA W.C.	37	7	1	0	45
CARGO TONS	U.S. EAST COAST	S. AMERICA W.C.	222291	169175	42048	0	433514
TRANSITS	U.S. EAST COAST	U.S. W.C., HAWAII	3	10	37	0	50
CARGO TONS	U.S. EAST COAST	U.S. W.C., HAWAII	15047	294299	1325945	0	1635291
TRANSITS	TOTAL	TOTAL	151	563	82	0	795
CARGO TONS	TOTAL	TOTAL	938850	16252927	3169418	0	20361195

2020 Status Quo Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Full Container Ships							
TRANSITS	AFRICA	U.S. W.C., HAWAII	0	0	0	0	0
CARGO TONS	AFRICA	U.S. W.C., HAWAII	0	1826	37	0	1863
TRANSITS	CANADA EAST COAST	ASIA	0	26	7	0	32
CARGO TONS	CANADA EAST COAST	ASIA	0	399817	161183	0	561000
TRANSITS	CANADA EAST COAST	OCEANIA	0	12	0	0	12
CARGO TONS	CANADA EAST COAST	OCEANIA	0	139794	5649	0	145443
TRANSITS	CANADA EAST COAST	U.S. W.C., HAWAII	0	0	5	0	5
CARGO TONS	CANADA EAST COAST	U.S. W.C., HAWAII	0	0	136427	0	136427
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	ASIA	0	7	1	0	8
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	ASIA	0	84317	15053	0	99370
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	1	0	0	0	1
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	2261	916	89	0	3266
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	OCEANIA	0	0	0	0	0
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	OCEANIA	0	2587	53	0	2640
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	S. AMERICA W.C.	6	1	0	0	6
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	S. AMERICA W.C.	894	4291	442	0	5627
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	0	1	0	0	1
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	0	10787	760	0	11547
TRANSITS	EUROPE	ASIA	0	5	6	0	11
CARGO TONS	EUROPE	ASIA	0	69492	141522	0	211014
TRANSITS	EUROPE	C. AMERICA W.C.	0	0	0	0	0
CARGO TONS	EUROPE	C. AMERICA W.C.	0	631	13	0	644
TRANSITS	EUROPE	CANADA WEST COAST	0	23	1	0	24
CARGO TONS	EUROPE	CANADA WEST COAST	0	300635	10365	0	311000
TRANSITS	EUROPE	OCEANIA	0	8	0	0	8
CARGO TONS	EUROPE	OCEANIA	0	107394	4114	0	111508

2020 Status Quo Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Full Container Ships (Cont.)							
TRANSITS	EUROPE	S. AMERICA W.C.	0	50	1	0	51
CARGO TONS	EUROPE	S. AMERICA W.C.	0	716022	14613	0	730635
TRANSITS	EUROPE	U.S. W.C., HAWAII	0	119	48	0	167
CARGO TONS	EUROPE	U.S. W.C., HAWAII	0	1514585	1220415	0	2735000
TRANSITS	MIDDLE EAST	ASIA	0	0	0	0	0
CARGO TONS	MIDDLE EAST	ASIA	0	3293	133	0	3426
TRANSITS	MIDDLE EAST	S. AMERICA W.C.	1	0	0	0	1
CARGO TONS	MIDDLE EAST	S. AMERICA W.C.	1255	0	13	0	1268
TRANSITS	MIDDLE EAST	U.S. W.C., HAWAII	0	7	0	0	8
CARGO TONS	MIDDLE EAST	U.S. W.C., HAWAII	0	107778	8502	0	116280
TRANSITS	S. AMERICA E.C	ASIA	0	5	0	0	5
CARGO TONS	S. AMERICA E.C.	ASIA	0	57193	1167	0	58360
TRANSITS	S. AMERICA E.C.	C. AMERICA W.C.	0	0	0	0	0
CARGO TONS	S. AMERICA E.C.	C. AMERICA W.C.	0	4297	88	0	4385
TRANSITS	S. AMERICA E.C.	S. AMERICA W.C.	0	4	0	0	4
CARGO TONS	S. AMERICA E.C.	S. AMERICA W.C.	0	34104	696	0	34800
TRANSITS	S. AMERICA E.C.	U.S. W.C., HAWAII	0	1	0	0	1
CARGO TONS	S. AMERICA E.C.	U.S. W.C., HAWAII	0	9251	189	0	9440
TRANSITS	U.S. EAST COAST	ASIA	0	142	547	0	688
CARGO TONS	U.S. EAST COAST	ASIA	0	2888232	13558768	0	16447000
TRANSITS	U.S. EAST COAST	C. AMERICA W.C.	0	6	0	0	6
CARGO TONS	U.S. EAST COAST	C. AMERICA W.C.	0	54048	1103	0	55151
TRANSITS	U.S. EAST COAST	OCEANIA	0	119	3	0	122
CARGO TONS	U.S. EAST COAST	OCEANIA	0	1381267	53542	0	1434809
TRANSITS	U.S. EAST COAST	S. AMERICA W.C.	0	56	0	0	57
CARGO TONS	U.S. EAST COAST	S. AMERICA W.C.	0	476822	9731	0	486553

2020 Status Quo Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Full Container Ships (Cont.)							
TRANSITS	U.S. EAST COAST	U.S. W.C., HAWAII	0	0	1	0	1
CARGO TONS	U.S. EAST COAST	U.S. W.C., HAWAII	0	1423	24184	0	25607
TRANSITS	TOTAL	TOTAL	7	594	619	0	1220
CARGO TONS	TOTAL	TOTAL	4411	8370802	15368850	0	23744063

2020 Status Quo Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Conventional General Cargo Ships							
TRANSITS	AFRICA	C. AMERICA W.C.	0	2	0	0	2
CARGO TONS	AFRICA	C. AMERICA W.C.	0	23316	0	0	23316
TRANSITS	AFRICA	S. AMERICA W.C.	0	2	0	0	2
CARGO TONS	AFRICA	S. AMERICA W.C.	0	34696	0	0	34696
TRANSITS	ASIA	C. AMERICA W.C.	0	2	0	0	2
CARGO TONS	ASIA	C. AMERICA W.C.	0	29129	0	0	29129
TRANSITS	CANADA EAST COAST	ASIA	0	5	0	0	5
CARGO TONS	CANADA EAST COAST	ASIA	0	11526	0	0	11526
TRANSITS	CANADA EAST COAST	C. AMERICA W.C.	0	1	0	0	1
CARGO TONS	CANADA EAST COAST	C. AMERICA W.C.	0	15375	0	0	15375
TRANSITS	CANADA EAST COAST	OCEANIA	0	0	0	0	0
CARGO TONS	CANADA EAST COAST	OCEANIA	0	3617	0	0	3617
TRANSITS	CANADA EAST COAST	S. AMERICA W.C.	0	6	0	0	6
CARGO TONS	CANADA EAST COAST	S. AMERICA W.C.	0	53419	0	0	53419
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	ASIA	0	22	0	0	22
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	ASIA	0	415184	0	0	415184
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	21	4	0	0	25
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	46384	43023	0	0	89407
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	OCEANIA	0	0	0	0	0
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	OCEANIA	0	6646	0	0	6646
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	S. AMERICA W.C.	11	13	0	0	24
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	S. AMERICA W.C.	27113	191278	0	0	218391
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	9	0	0	0	9
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	28332	0	0	0	28332
TRANSITS	EUROPE	ASIA	1	2	0	0	3
CARGO TONS	EUROPE	ASIA	2447	45563	0	0	48010

2020 Status Quo Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Conventional General Cargo Ships (Cont.)							
TRANSITS	EUROPE	C. AMERICA W.C.	14	30	0	0	44
CARGO TONS	EUROPE	C. AMERICA W.C.	26132	273689	0	0	299821
TRANSITS	EUROPE	CANADA WEST COAST	2	0	0	0	2
CARGO TONS	EUROPE	CANADA WEST COAST	8166	710	0	0	8876
TRANSITS	EUROPE	OCEANIA	0	14	0	0	14
CARGO TONS	EUROPE	OCEANIA	614	165299	0	0	165913
TRANSITS	EUROPE	S. AMERICA W.C.	3	36	0	0	39
CARGO TONS	EUROPE	S. AMERICA W.C.	8774	375732	0	0	384506
TRANSITS	EUROPE	U.S. W.C., HAWAII	2	0	0	0	2
CARGO TONS	EUROPE	U.S. W.C., HAWAII	7701	3449	0	0	11150
TRANSITS	MIDDLE EAST	S. AMERICA W.C.	4	0	0	0	4
CARGO TONS	MIDDLE EAST	S. AMERICA W.C.	1909	166	0	0	2075
TRANSITS	MIDDLE EAST	U.S. W.C., HAWAII	0	2	0	0	2
CARGO TONS	MIDDLE EAST	U.S. W.C., HAWAII	0	4435	0	0	4435
TRANSITS	S. AMERICA E.C.	ASIA	0	20	0	0	20
CARGO TONS	S. AMERICA E.C.	ASIA	0	362950	0	0	362950
TRANSITS	S. AMERICA E.C.	C. AMERICA W.C.	0	7	0	0	7
CARGO TONS	S. AMERICA E.C.	C. AMERICA W.C.	0	148337	0	0	148337
TRANSITS	S. AMERICA E.C.	CANADA WEST COAST	0	0	0	0	0
CARGO TONS	S. AMERICA E.C.	CANADA WEST COAST	0	664	0	0	664
TRANSITS	S. AMERICA E.C.	S. AMERICA W.C.	22	25	0	0	47
CARGO TONS	S. AMERICA E.C.	S. AMERICA W.C.	71069	304290	0	0	375359
TRANSITS	S. AMERICA E.C.	U.S. W.C., HAWAII	2	6	0	0	8
CARGO TONS	S. AMERICA E.C.	U.S. W.C., HAWAII	5421	30394	0	0	35815
TRANSITS	U.S. EAST COAST	ASIA	0	48	0	0	48
CARGO TONS	U.S. EAST COAST	ASIA	0	781943	0	0	781943

2020 Status Quo Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Conventional General Cargo Ships (Cont.)							
TRANSITS	U.S. EAST COAST	C. AMERICA W.C.	34	14	0	0	48
CARGO TONS	U.S. EAST COAST	C. AMERICA W.C.	113743	238174	0	0	351917
TRANSITS	U.S. EAST COAST	OCEANIA	0	3	0	0	3
CARGO TONS	U.S. EAST COAST	OCEANIA	0	46377	0	0	46377
TRANSITS	U.S. EAST COAST	S. AMERICA W.C.	38	48	0	0	86
CARGO TONS	U.S. EAST COAST	S. AMERICA W.C.	97195	507853	0	0	605048
TRANSITS	U.S. EAST COAST	U.S. W.C., HAWAII	1	0	0	0	1
CARGO TONS	U.S. EAST COAST	U.S. W.C., HAWAII	212	18	0	0	230
TRANSITS	TOTAL	TOTAL	163	310	0	0	473
CARGO TONS	TOTAL	TOTAL	445211	4117253	0	0	4562464

2020 Status Quo Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Liquified Petroleum Gas Carriers							
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	ASIA	11	5	0	0	15
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	ASIA	27213	54839	0	0	82052
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	27	55	14	0	96
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	82379	783872	404071	0	1270323
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	S. AMERICA W.C.	0	8	0	0	8
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	S. AMERICA W.C.	0	118907	0	0	118907
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	0	1	0	0	1
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	0	12015	0	0	12015
TRANSITS	EUROPE	C. AMERICA W.C.	2	0	0	0	2
CARGO TONS	EUROPE	C. AMERICA W.C.	4806	0	0	0	4806
TRANSITS	EUROPE	S. AMERICA W.C.	0	0	0	0	0
CARGO TONS	EUROPE	S. AMERICA W.C.	0	581	0	0	581
TRANSITS	S. AMERICA E.C.	ASIA	0	2	0	0	2
CARGO TONS	S. AMERICA E.C.	ASIA	0	26591	0	0	26591
TRANSITS	S. AMERICA E.C.	C. AMERICA W.C.	11	0	0	0	11
CARGO TONS	S. AMERICA E.C.	C. AMERICA W.C.	30834	0	0	0	30834
TRANSITS	S. AMERICA E.C.	S. AMERICA W.C.	0	50	0	0	50
CARGO TONS	S. AMERICA E.C.	S. AMERICA W.C.	0	649176	0	0	649176
TRANSITS	S. AMERICA E.C.	U.S. W.C., HAWAII	0	0	0	0	0
CARGO TONS	S. AMERICA E.C.	U.S. W.C., HAWAII	0	0	0	0	0
TRANSITS	U.S. EAST COAST	ASIA	1	21	0	0	23
CARGO TONS	U.S. EAST COAST	ASIA	5317	267498	0	0	272815
TRANSITS	U.S. EAST COAST	C. AMERICA W.C.	1	0	0	0	1
CARGO TONS	U.S. EAST COAST	C. AMERICA W.C.	2294	0	0	0	2294
TRANSITS	U.S. EAST COAST	OCEANIA	0	1	0	0	1
CARGO TONS	U.S. EAST COAST	OCEANIA	0	11129	0	0	11129

2020 Status Quo Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Liquified Petroleum Gas Carriers (Cont.)							
TRANSITS	U.S. EAST COAST	S. AMERICA W.C.	2	0	0	0	2
CARGO TONS	U.S. EAST COAST	S. AMERICA W.C.	6008	0	0	0	6008
TRANSITS	U.S. EAST COAST	U.S. W.C., HAWAII	0	0	0	0	0
CARGO TONS	U.S. EAST COAST	U.S. W.C., HAWAII	0	0	0	0	0
TRANSITS	TOTAL	TOTAL	54	142	14	0	211
CARGO TONS	TOTAL	TOTAL	158851	1924609	404071	0	2487531

2020 Status Quo Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Refrigerated Cargo Ships							
TRANSITS	AFRICA	ASIA	25	4	0	0	29
CARGO TONS	AFRICA	ASIA	120464	30116	0	0	150580
TRANSITS	AFRICA	C. AMERICA W.C.	0	0	0	0	0
CARGO TONS	AFRICA	C. AMERICA W.C.	156	39	0	0	195
TRANSITS	AFRICA	S. AMERICA W.C.	6	3	0	0	9
CARGO TONS	AFRICA	S. AMERICA W.C.	5115	4084	0	0	9199
TRANSITS	CANADA EAST COAST	ASIA	10	2	0	0	12
CARGO TONS	CANADA EAST COAST	ASIA	50686	12672	0	0	63358
TRANSITS	CANADA EAST COAST	C. AMERICA W.C.	1	4	0	0	5
CARGO TONS	CANADA EAST COAST	C. AMERICA W.C.	1475	8987	0	0	10462
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	ASIA	6	4	0	0	10
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	ASIA	25019	6591	0	0	31610
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	0	23	0	0	23
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	0	5360	0	0	5360
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	S. AMERICA W.C.	0	54	0	0	54
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	S. AMERICA W.C.	0	41750	0	0	41750
TRANSITS	EUROPE	ASIA	31	6	0	0	37
CARGO TONS	EUROPE	ASIA	152803	50370	0	0	203173
TRANSITS	EUROPE	C. AMERICA W.C.	7	154	0	0	160
CARGO TONS	EUROPE	C. AMERICA W.C.	1820	11358	0	0	13178
TRANSITS	EUROPE	CANADA WEST COAST	1	0	0	0	1
CARGO TONS	EUROPE	CANADA WEST COAST	597	149	0	0	746
TRANSITS	EUROPE	S. AMERICA W.C.	67	102	0	0	169
CARGO TONS	EUROPE	S. AMERICA W.C.	60938	84042	0	0	144980
TRANSITS	EUROPE	U.S. W.C., HAWAII	12	2	0	0	14
CARGO TONS	EUROPE	U.S. W.C., HAWAII	7929	1982	0	0	9911

2020 Status Quo Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Refrigerated Cargo Ships (Cont.)							
TRANSITS	MIDDLE EAST	S. AMERICA W.C.	1	0	0	0	2
CARGO TONS	MIDDLE EAST	S. AMERICA W.C.	2502.	626	0	0	3128
TRANSITS	S. AMERICA E.C.	ASIA	10	2	0	0	11
CARGO TONS	S. AMERICA E.C.	ASIA	39664	9916	0	0	49580
TRANSITS	S. AMERICA E.C.	S. AMERICA W.C.	7	1	0	0	8
CARGO TONS	S. AMERICA E.C.	S. AMERICA W.C.	7594	1898	0	0	9492
TRANSITS	U.S. EAST COAST	ASIA	12	20	0	0	32
CARGO TONS	U.S. EAST COAST	ASIA	41116	73287	0	0	114403
TRANSITS	U.S. EAST COAST	C. AMERICA W.C.	4	22	0	0	27
CARGO TONS	U.S. EAST COAST	C. AMERICA W.C.	11174	55032	0	0	66206
TRANSITS	U.S. EAST COAST	S. AMERICA W.C.	93	199	0	0	282
CARGO TONS	U.S. EAST COAST	S. AMERICA W.C.	67849	367960	0	0	434372
TRANSITS	TOTAL	TOTAL	292	590	0	0	882
CARGO TONS	TOTAL	TOTAL	596744	764939	0	0	1361683

2020 Status Quo Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Roll-On Roll-Off Ships							
TRANSITS	AFRICA	ASIA	0	0	0	0	0
CARGO TONS	AFRICA	ASIA	0	169	9	0	178
TRANSITS	AFRICA	OCEANIA	0	0	0	0	0
CARGO TONS	AFRICA	OCEANIA	0	293	15	0	308
TRANSITS	CANADA EAST COAST	ASIA	5	3	0	0	8
CARGO TONS	CANADA EAST COAST	ASIA	28536	12252	0	0	40788
TRANSITS	CANADA EAST COAST	OCEANIA	0	1	1	0	1
CARGO TONS	CANADA EAST COAST	OCEANIA	0	9592	21816	0	31408
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	0	0	0	0	0
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	310	605	0	0	915
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	OCEANIA	0	2	0	0	2
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	OCEANIA	0	6941	0	0	6941
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	S. AMERICA W.C.	45	1	0	0	46
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	S. AMERICA W.C.	78596	2431	0	0	81027
TRANSITS	EUROPE	ASIA	0	2	0	0	2
CARGO TONS	EUROPE	ASIA	0	20696	1802	0	22498
TRANSITS	EUROPE	C. AMERICA W.C.	0	18	0	0	18
CARGO TONS	EUROPE	C. AMERICA W.C.	0	112260	0	0	112260
TRANSITS	EUROPE	OCEANIA	0	25	5	0	30
CARGO TONS	EUROPE	OCEANIA	0	349027	111638	0	460665
TRANSITS	EUROPE	S. AMERICA W.C.	0	0	0	0	0
CARGO TONS	EUROPE	S. AMERICA W.C.	0	240	0	0	240
TRANSITS	EUROPE	U.S. W.C., HAWAII	0	0	0	0	0
CARGO TONS	EUROPE	U.S. W.C., HAWAII	0	1993	0	0	1993
TRANSITS	MIDDLE EAST	OCEANIA	0	0	0	0	0
CARGO TONS	MIDDLE EAST	OCEANIA	0	4282	225	0	4507

2020 Status Quo Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Roll-On Roll-Off Ships (Cont.)							
TRANSITS	U.S. EAST COAST	ASIA	1	7	0	0	8
CARGO TONS	U.S. EAST COAST	ASIA	5718	43412	6662	0	55792
TRANSITS	U.S. EAST COAST	C. AMERICA W.C.	0	2	0	0	2
CARGO TONS	U.S. EAST COAST	C. AMERICA W.C.	0	3189	0	0	3189
TRANSITS	U.S. EAST COAST	OCEANIA	0	9	3	0	12
CARGO TONS	U.S. EAST COAST	OCEANIA	0	139906	77285	0	217191
TRANSITS	U.S. EAST COAST	S. AMERICA W.C.	25	0	0	0	26
CARGO TONS	U.S. EAST COAST	S. AMERICA W.C.	44081	1363	0	0	45444
TRANSITS	TOTAL	TOTAL	77	71	10	0	157
CARGO TONS	TOTAL	TOTAL	157241	708650	219453	0	1085344

2020 Status Quo Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Oil Tankers							
TRANSITS	AFRICA	U.S. W.C., HAWAII	0	0	0	0	0
CARGO TONS	AFRICA	U.S. W.C., HAWAII	0	0	202	0	202
TRANSITS	CANADA EAST COAST	ASIA	0	6	4	0	10
CARGO TONS	CANADA EAST COAST	ASIA	0	165380	227307	0	392687
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	ASIA	1	3	1	1	7
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	ASIA	5029	87251	49280	38279	179840
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	40	15	42	0	96
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	121224	263574	1377008	0	1761806
TRANSITS	CENTRAL AMERICA E.C., W. INDIES	AMERICA W.C.	7	30	4	0	41
CARGO TONS	CENTRAL AMERICA E.C., W. INDIES	AMERICA W.C.	26014	641009	211485	0	878508
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	1	4	11	1	17
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	2108	109296	525048	75778	712230
TRANSITS	EUROPE	C. AMERICA W.C.	10	2	0	0	12
CARGO TONS	EUROPE	C. AMERICA W.C.	21081	32015	1104	0	54200
TRANSITS	EUROPE	OCEANIA	0	1	0	0	1
CARGO TONS	EUROPE	OCEANIA	0	23588	481	0	24069
TRANSITS	EUROPE	S. AMERICA W.C.	1	2	0	0	2
CARGO TONS	EUROPE	S. AMERICA W.C.	2226	48890	1047	0	52163
TRANSITS	EUROPE	U.S. W.C., HAWAII	0	5	1	0	6
CARGO TONS	EUROPE	U.S. W.C., HAWAII	0	146157	49470	0	195627
TRANSITS	MIDDLE EAST	U.S. W.C., HAWAII	0	0	0	0	0
CARGO TONS	MIDDLE EAST	U.S. W.C., HAWAII	0	112	2	0	114
TRANSITS	S. AMERICA E.C.	ASIA	0	5	0	0	5
CARGO TONS	S. AMERICA E.C.	ASIA	0	144387	2947	0	147334
TRANSITS	S. AMERICA E.C.	C. AMERICA W.C.	4	5	108	0	117
CARGO TONS	S. AMERICA E.C.	C. AMERICA W.C.	9941	117894	4214475	0	4342311

2020 Status Quo Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Oil Tankers (Cont.)							
TRANSITS	S. AMERICA E.C.	S. AMERICA W.C.	6	5	30	0	41
CARGO TONS	S. AMERICA E.C.	S. AMERICA W.C.	16551	122775	1501709	0	1641035
TRANSITS	S. AMERICA E.C.	U.S. W.C., HAWAII	0	28	24	2	53
CARGO TONS	S. AMERICA E.C.	U.S. W.C., HAWAII	0	775492	1092675	99167	1967334
TRANSITS	U.S. EAST COAST	ASIA	13	36	22	11	82
CARGO TONS	U.S. EAST COAST	ASIA	43329	1061682	1000330	549446	2654786
TRANSITS	U.S. EAST COAST	C. AMERICA W.C.	8	20	5	0	33
CARGO TONS	U.S. EAST COAST	C. AMERICA W.C.	25560	471555	116544	0	613659
TRANSITS	U.S. EAST COAST	CANADA WEST COAST	0	1	0	0	1
CARGO TONS	U.S. EAST COAST	CANADA WEST COAST	0	4276	87	0	4363
TRANSITS	U.S. EAST COAST	OCEANIA	0	5	1	0	6
CARGO TONS	U.S. EAST COAST	OCEANIA	0	138406	53993	0	192399
TRANSITS	U.S. EAST COAST	S. AMERICA W.C.	3	4	1	0	8
CARGO TONS	U.S. EAST COAST	S. AMERICA W.C.	7421	99880	39578	0	146879
TRANSITS	U.S. EAST COAST	U.S. W.C., HAWAII	0	24	5	1	30
CARGO TONS	U.S. EAST COAST	U.S. W.C., HAWAII	0	621191	215127	40300	876618
TRANSITS	TOTAL	TOTAL	94	201	258	16	568
CARGO TONS	TOTAL	TOTAL	280485	5074809	10679899	802971	16838164

2020 Status Quo Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Vehicle Carriers							
TRANSITS	CANADA EAST COAST	ASIA	0	0	0	0	0
CARGO TONS	CANADA EAST COAST	ASIA	0	831	0	0	831
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	0	4	0	0	4
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	0	1376	0	0	1376
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	OCEANIA	0	1	0	0	1
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	OCEANIA	0	179	0	0	179
TRANSITS	EUROPE	ASIA	0	6	0	0	6
CARGO TONS	EUROPE	ASIA	0	18916	0	0	18916
TRANSITS	EUROPE	CANADA WEST COAST	0	5	0	0	5
CARGO TONS	EUROPE	CANADA WEST COAST	0	10917	0	0	10917
TRANSITS	EUROPE	OCEANIA	0	0	0	0	0
CARGO TONS	EUROPE	OCEANIA	0	2068	0	0	2068
TRANSITS	EUROPE	U.S. W.C., HAWAII	5	144	0	0	149
CARGO TONS	EUROPE	U.S. W.C., HAWAII	5484	279759	0	0	285243
TRANSITS	U.S. EAST COAST	ASIA	0	25	0	0	25
CARGO TONS	U.S. EAST COAST	ASIA	0	114365	0	0	114365
TRANSITS	U.S. EAST COAST	OCEANIA	0	7	0	0	7
CARGO TONS	U.S. EAST COAST	OCEANIA	0	17502	0	0	17502
TRANSITS	TOTAL	TOTAL	5	192	0	0	197
CARGO TONS	TOTAL	TOTAL	5484	445913	0	0	451397

STATUS QUO 2060

2060 Status Quo Vessel Transits

Laden Northbound

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Container-Breakbulk Ships							
TRANSITS	ASIA	AFRICA	0	0	0	0	0
CARGO TONS	ASIA	AFRICA	0	0	0	0	0
TRANSITS	ASIA	CANADA EAST COAST	0	1	0	0	1
CARGO TONS	ASIA	CANADA EAST COAST	0	3249	4839	0	8088
TRANSITS	ASIA	CENTRAL AMERICA E.C., W. INDIE	0	124	11	0	135
CARGO TONS	ASIA	CENTRAL AMERICA E.C., W. INDIE	0	1178745	67321	0	1246066
TRANSITS	ASIA	EUROPE	0	1	3	0	4
CARGO TONS	ASIA	EUROPE	0	7418	73454	0	80872
TRANSITS	ASIA	S. AMERICA E.C.	0	45	2	0	48
CARGO TONS	ASIA	S. AMERICA E.C.	0	278155	26532	0	304687
TRANSITS	ASIA	U.S. EAST COAST	0	121	18	0	139
CARGO TONS	ASIA	U.S. EAST COAST	0	1490393	268648	0	1759041
TRANSITS	C. AMERICA W.C.	AFRICA	0	5	0	0	6
CARGO TONS	C. AMERICA W.C.	AFRICA	0	103238	8976	0	112214
TRANSITS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	0	15	1	0	16
CARGO TONS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	0	216736	29821	0	246557
TRANSITS	C. AMERICA W.C.	EUROPE	0	36	5	0	41
CARGO TONS	C. AMERICA W.C.	EUROPE	0	199780	104699	0	304479
TRANSITS	C. AMERICA W.C.	S. AMERICA E.C.	0	22	1	0	23
CARGO TONS	C. AMERICA W.C.	S. AMERICA E.C.	0	9297	809	0	10106
TRANSITS	C. AMERICA W.C.	U.S. EAST COAST	0	6	0	0	7
CARGO TONS	C. AMERICA W.C.	U.S. EAST COAST	0	37089	3224	0	40313
TRANSITS	CANADA WEST COAST	AFRICA	0	28	1	0	29
CARGO TONS	CANADA WEST COAST	AFRICA	0	619667	42294	0	661961
TRANSITS	CANADA WEST COAST	EUROPE	0	47	60	0	107
CARGO TONS	CANADA WEST COAST	EUROPE	0	1044382	2071478	0	3115860

2060 Status Quo Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Container-Breakbulk Ships (Cont.)							
TRANSITS	CANADA WEST COAST	S. AMERICA E.C.	0	21	1	0	22
CARGO TONS	CANADA WEST COAST	S. AMERICA E.C.	0	387771	33719	0	421490
TRANSITS	CANADA WEST COAST	U.S. EAST COAST	0	15	0	0	15
CARGO TONS	CANADA WEST COAST	U.S. EAST COAST	0	303055	0	0	303055
TRANSITS	OCEANIA	AFRICA	0	0	0	0	0
CARGO TONS	OCEANIA	AFRICA	0	0	0	0	0
TRANSITS	OCEANIA	CANADA EAST COAST	0	0	0	0	0
CARGO TONS	OCEANIA	CANADA EAST COAST	0	0	0	0	0
TRANSITS	OCEANIA	CENTRAL AMERICA E.C., W. INDIE	0	9	0	0	10
CARGO TONS	OCEANIA	CENTRAL AMERICA E.C., W. INDIE	0	91020	7915	0	98935
TRANSITS	OCEANIA	EUROPE	0	0	0	0	0
CARGO TONS	OCEANIA	EUROPE	0	0	0	0	0
TRANSITS	OCEANIA	MIDDLE EAST	0	0	0	0	0
CARGO TONS	OCEANIA	MIDDLE EAST	0	0	0	0	0
TRANSITS	OCEANIA	S. AMERICA E.C.	0	0	0	0	0
CARGO TONS	OCEANIA	S. AMERICA E.C.	0	0	0	0	0
TRANSITS	OCEANIA	U.S. EAST COAST	0	0	0	0	0
CARGO TONS	OCEANIA	U.S. EAST COAST	0	0	0	0	0
TRANSITS	S. AMERICA W.C.	AFRICA	0	0	0	0	0
CARGO TONS	S. AMERICA W.C.	AFRICA	0	0	0	0	0
TRANSITS	S. AMERICA W.C.	CANADA EAST COAST	0	1	0	0	1
CARGO TONS	S. AMERICA W.C.	CANADA EAST COAST	0	2013	175	0	2188
TRANSITS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	0	24	1	0	26
CARGO TONS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	0	189706	16491	0	206197
TRANSITS	S. AMERICA W.C.	EUROPE	0	309	20	0	329
CARGO TONS	S. AMERICA W.C.	EUROPE	0	5035203	718274	0	5753477

2000 Status Quo Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Container-Breakbulk Ships (Cont.)							
TRANSITS	S. AMERICA W.C.	S. AMERICA E.C.	0	0	0	0	0
CARGO TONS	S. AMERICA W.C.	S. AMERICA E.C.	0	0	0	0	0
TRANSITS	S. AMERICA W.C.	U.S. EAST COAST	0	228	11	0	239
CARGO TONS	S. AMERICA W.C.	U.S. EAST COAST	0	1892226	447669	0	2339895
TRANSITS	U.S. W.C., HAWAII	AFRICA	0	2	20	0	22
CARGO TONS	U.S. W.C., HAWAII	AFRICA	0	39870	327245	0	367115
TRANSITS	U.S. W.C., HAWAII	CANADA EAST COAST	0	1	0	0	1
CARGO TONS	U.S. W.C., HAWAII	CANADA EAST COAST	0	33441	0	0	33441
TRANSITS	U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIE	0	18	1	0	19
CARGO TONS	U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIE	0	119281	15700	0	134981
TRANSITS	U.S. W.C., HAWAII	EUROPE	0	24	27	0	51
CARGO TONS	U.S. W.C., HAWAII	EUROPE	0	455679	887236	0	1342915
TRANSITS	U.S. W.C., HAWAII	MIDDLE EAST	0	0	0	0	0
CARGO TONS	U.S. W.C., HAWAII	MIDDLE EAST	0	0	0	0	0
TRANSITS	U.S. W.C., HAWAII	S. AMERICA E.C.	0	0	0	0	0
CARGO TONS	U.S. W.C., HAWAII	S. AMERICA E.C.	0	0	0	0	0
TRANSITS	U.S. W.C., HAWAII	U.S. EAST COAST	0	0	0	0	0
CARGO TONS	U.S. W.C., HAWAII	U.S. EAST COAST	0	3592	2723	0	6315
TRANSITS	TOTAL	TOTAL	0	1104	185	0	1289
CARGO TONS	TOTAL	TOTAL	0	13741007	5159241	0	18900248

2000 Status Quo Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Combined and Dry Bulk Carriers							
TRANSITS	ASIA	AFRICA	0	0	0	0	0
CARGO TONS	ASIA	AFRICA	0	0	0	0	0
TRANSITS	ASIA	CANADA EAST COAST	0	0	0	0	0
CARGO TONS	ASIA	CANADA EAST COAST	0	0	0	0	0
TRANSITS	ASIA	CENTRAL AMERICA E.C., W. INDIE	0	0	0	0	0
CARGO TONS	ASIA	CENTRAL AMERICA E.C., W. INDIE	0	0	0	0	0
TRANSITS	ASIA	EUROPE	0	0	0	0	0
CARGO TONS	ASIA	EUROPE	0	0	0	0	0
TRANSITS	ASIA	S. AMERICA E.C.	0	0	0	0	0
CARGO TONS	ASIA	S. AMERICA E.C.	0	0	0	0	0
TRANSITS	ASIA	U.S. EAST COAST	0	0	0	0	0
CARGO TONS	ASIA	U.S. EAST COAST	0	0	0	0	0
TRANSITS	C. AMERICA W.C.	AFRICA	0	1	0	0	2
CARGO TONS	C. AMERICA W.C.	AFRICA	0	39508	7921	4723	52152
TRANSITS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	0	51	9	6	65
CARGO TONS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	0	1372287	439341	355807	2167435
TRANSITS	C. AMERICA W.C.	EUROPE	0	0	0	0	0
CARGO TONS	C. AMERICA W.C.	EUROPE	0	0	0	0	0
TRANSITS	C. AMERICA W.C.	S. AMERICA E.C.	0	0	0	0	0
CARGO TONS	C. AMERICA W.C.	S. AMERICA E.C.	0	0	0	0	0
TRANSITS	C. AMERICA W.C.	U.S. EAST COAST	0	33	12	5	49
CARGO TONS	C. AMERICA W.C.	U.S. EAST COAST	0	1084605	520400	248744	1853749
TRANSITS	CANADA WEST COAST	AFRICA	0	0	0	0	0
CARGO TONS	CANADA WEST COAST	AFRICA	0	0	0	0	0
TRANSITS	CANADA WEST COAST	CENTRAL AMERICA E.C., W. INDIE	0	8	1	1	9
CARGO TONS	CANADA WEST COAST	CENTRAL AMERICA E.C., W. INDIE	0	202371	26995	40492	269857

2060 Status Quo Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Combined and Dry Bulk Carriers (Cont.)							
TRANSITS	CANADA WEST COAST	EUROPE	0	78	176	72	325
CARGO TONS	CANADA WEST COAST	EUROPE	0	2333749	8646594	3995860	14976158
TRANSITS	CANADA WEST COAST	MIDDLE EAST	0	13	36	7	56
CARGO TONS	CANADA WEST COAST	MIDDLE EAST	0	464940	1956955	423633	2845528
TRANSITS	CANADA WEST COAST	S. AMERICA E.C.	0	0	0	0	0
CARGO TONS	CANADA WEST COAST	S. AMERICA E.C.	0	0	0	0	0
TRANSITS	CANADA WEST COAST	U.S. EAST COAST	0	92	8	10	110
CARGO TONS	CANADA WEST COAST	U.S. EAST COAST	0	2387218	318296	477444	3182957
TRANSITS	OCEANIA	AFRICA	0	0	0	0	0
CARGO TONS	OCEANIA	AFRICA	0	0	0	0	0
TRANSITS	OCEANIA	CANADA EAST COAST	0	0	0	0	0
CARGO TONS	OCEANIA	CANADA EAST COAST	0	0	0	0	0
TRANSITS	OCEANIA	CENTRAL AMERICA E.C., W. INDIE	0	0	0	0	0
CARGO TONS	OCEANIA	CENTRAL AMERICA E.C., W. INDIE	0	0	0	0	0
TRANSITS	OCEANIA	EUROPE	0	0	0	0	0
CARGO TONS	OCEANIA	EUROPE	0	0	0	0	0
TRANSITS	OCEANIA	S. AMERICA E.C.	0	0	0	0	0
CARGO TONS	OCEANIA	S. AMERICA E.C.	0	0	0	0	0
TRANSITS	OCEANIA	U.S. EAST COAST	0	0	0	0	0
CARGO TONS	OCEANIA	U.S. EAST COAST	0	0	0	0	0
TRANSITS	S. AMERICA W.C.	AFRICA	0	0	0	0	0
CARGO TONS	S. AMERICA W.C.	AFRICA	0	0	0	0	0
TRANSITS	S. AMERICA W.C.	CANADA EAST COAST	0	0	0	0	0
CARGO TONS	S. AMERICA W.C.	CANADA EAST COAST	0	0	0	0	0
TRANSITS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	0	0	0	0	0
CARGO TONS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	0	0	0	0	0

2060 Status Quo Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Combined and Dry Bulk Carriers (Cont.)							
TRANSITS	S. AMERICA W.C.	EUROPE	0	0	0	0	0
CARGO TONS	S. AMERICA W.C.	EUROPE	0	0	0	0	0
TRANSITS	S. AMERICA W.C.	MIDDLE EAST	0	0	0	0	0
CARGO TONS	S. AMERICA W.C.	MIDDLE EAST	0	4019	536	804	5359
TRANSITS	S. AMERICA W.C.	S. AMERICA E.C.	0	0	0	0	0
CARGO TONS	S. AMERICA W.C.	S. AMERICA E.C.	0	0	0	0	0
TRANSITS	S. AMERICA W.C.	U.S. EAST COAST	0	0	0	0	0
CARGO TONS	S. AMERICA W.C.	U.S. EAST COAST	0	0	0	0	0
TRANSITS	U.S. W.C., HAWAII	AFRICA	0	0	0	0	0
CARGO TONS	U.S. W.C., HAWAII	AFRICA	0	0	0	0	0
TRANSITS	U.S. W.C., HAWAII	CANADA EAST COAST	0	4	1	1	6
CARGO TONS	U.S. W.C., HAWAII	CANADA EAST COAST	0	130693	47420	32968	211081
TRANSITS	U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIE	0	1	0	0	1
CARGO TONS	U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIE	0	22706	3028	4541	30275
TRANSITS	U.S. W.C., HAWAII	EUROPE	0	0	0	0	0
CARGO TONS	U.S. W.C., HAWAII	EUROPE	0	0	0	0	0
TRANSITS	U.S. W.C., HAWAII	S. AMERICA E.C.	0	0	0	0	0
CARGO TONS	U.S. W.C., HAWAII	S. AMERICA E.C.	0	0	0	0	0
TRANSITS	U.S. W.C., HAWAII	U.S. EAST COAST	0	5	3	1	9
CARGO TONS	U.S. W.C., HAWAII	U.S. EAST COAST	0	182519	23087	9035	214640
TRANSITS	TOTAL	TOTAL	0	286	244	102	631
CARGO TONS	TOTAL	TOTAL	0	8224615	11990525	5594051	25809191

2000 Status Quo Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Chemical Tankers							
TRANSITS	ASIA	CENTRAL AMERICA E.C., W. INDIE	2	1	0	0	4
CARGO TONS	ASIA	CENTRAL AMERICA E.C., W. INDIE	13964	36334	0	0	50298
TRANSITS	ASIA	EUROPE	0	0	0	0	0
CARGO TONS	ASIA	EUROPE	0	0	0	0	0
TRANSITS	ASIA	S. AMERICA E.C.	0	0	0	0	0
CARGO TONS	ASIA	S. AMERICA E.C.	0	0	0	0	0
TRANSITS	ASIA	U.S. EAST COAST	12	23	4	0	39
CARGO TONS	ASIA	U.S. EAST COAST	44137	607404	168246	0	819787
TRANSITS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	48	1	0	0	49
CARGO TONS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	290547	15292	0	0	305839
TRANSITS	C. AMERICA W.C.	EUROPE	5	4	0	0	9
CARGO TONS	C. AMERICA W.C.	EUROPE	32019	137188	0	0	169207
TRANSITS	C. AMERICA W.C.	S. AMERICA E.C.	0	0	0	0	0
CARGO TONS	C. AMERICA W.C.	S. AMERICA E.C.	0	0	0	0	0
TRANSITS	C. AMERICA W.C.	U.S. EAST COAST	44	15	4	0	63
CARGO TONS	C. AMERICA W.C.	U.S. EAST COAST	274652	433432	177273	0	885357
TRANSITS	CANADA WEST COAST	EUROPE	0	4	0	0	4
CARGO TONS	CANADA WEST COAST	EUROPE	0	105766	0	0	105766
TRANSITS	CANADA WEST COAST	U.S. EAST COAST	0	33	6	0	39
CARGO TONS	CANADA WEST COAST	U.S. EAST COAST	0	833886	208472	0	1042358
TRANSITS	OCEANIA	CENTRAL AMERICA E.C., W. INDIE	0	0	0	0	0
CARGO TONS	OCEANIA	CENTRAL AMERICA E.C., W. INDIE	0	0	0	0	0
TRANSITS	OCEANIA	EUROPE	0	0	0	0	0
CARGO TONS	OCEANIA	EUROPE	0	0	0	0	0
TRANSITS	OCEANIA	U.S. EAST COAST	0	0	0	0	0
CARGO TONS	OCEANIA	U.S. EAST COAST	0	0	0	0	0

2060 Status Quo Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Chemical Tankers (Cont.)							
TRANSITS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	30	6	0	0	36
CARGO TONS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	89981	43632	0	0	133613
TRANSITS	S. AMERICA W.C.	EUROPE	9	3	0	0	12
CARGO TONS	S. AMERICA W.C.	EUROPE	62025	89227	0	0	151252
TRANSITS	S. AMERICA W.C.	S. AMERICA E.C.	0	0	0	0	0
CARGO TONS	S. AMERICA W.C.	S. AMERICA E.C.	0	0	0	0	0
TRANSITS	S. AMERICA W.C.	U.S. EAST COAST	9	3	1	0	12
CARGO TONS	S. AMERICA W.C.	U.S. EAST COAST	39909	42285	17638	0	99832
TRANSITS	U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIE	0	1	0	0	1
CARGO TONS	U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIE	0	12035	0	0	12035
TRANSITS	U.S. W.C., HAWAII	EUROPE	9	6	1	0	16
CARGO TONS	U.S. W.C., HAWAII	EUROPE	46198	166064	53807	0	266070
TRANSITS	U.S. W.C., HAWAII	MIDDLE EAST	0	0	0	0	0
CARGO TONS	U.S. W.C., HAWAII	MIDDLE EAST	0	14060	0	0	14060
TRANSITS	U.S. W.C., HAWAII	S. AMERICA E.C.	0	0	0	0	0
CARGO TONS	U.S. W.C., HAWAII	S. AMERICA E.C.	0	0	0	0	0
TRANSITS	U.S. W.C., HAWAII	U.S. EAST COAST	0	4	9	0	12
CARGO TONS	U.S. W.C., HAWAII	U.S. EAST COAST	0	56299	176997	0	233296
TRANSITS	TOTAL	TOTAL	168	104	26	0	298
CARGO TONS	TOTAL	TOTAL	893432	2592904	802434	0	4288770

2000 Status Quo Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Full Container Ships							
TRANSITS	ASIA	AFRICA	0	0	0	0	0
CARGO TONS	ASIA	AFRICA	0	0	0	0	0
TRANSITS	ASIA	ASIA	0	0	0	0	0
CARGO TONS	ASIA	ASIA	0	0	0	0	0
TRANSITS	ASIA	CANADA EAST COAST	0	12	21	0	33
CARGO TONS	ASIA	CANADA EAST COAST	0	157983	581017	0	739000
TRANSITS	ASIA	CENTRAL AMERICA E.C., W. INDIE	0	0	0	0	0
CARGO TONS	ASIA	CENTRAL AMERICA E.C., W. INDIE	0	0	0	0	0
TRANSITS	ASIA	EUROPE	0	5	21	0	26
CARGO TONS	ASIA	EUROPE	0	73948	447070	0	521018
TRANSITS	ASIA	MIDDLE EAST	0	1	1	0	1
CARGO TONS	ASIA	MIDDLE EAST	0	13241	14769	0	28010
TRANSITS	ASIA	S. AMERICA E.C.	0	4	0	0	4
CARGO TONS	ASIA	S. AMERICA E.C.	0	13538	419	0	13957
TRANSITS	ASIA	U.S. EAST COAST	0	55	472	0	527
CARGO TONS	ASIA	U.S. EAST COAST	0	798835	9722165	0	10521000
TRANSITS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	0	1	0	0	1
CARGO TONS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	0	8327	671	0	8998
TRANSITS	C. AMERICA W.C.	EUROPE	0	2	0	0	2
CARGO TONS	C. AMERICA W.C.	EUROPE	0	35379	1862	0	37241
TRANSITS	C. AMERICA W.C.	MIDDLE EAST	0	0	0	0	0
CARGO TONS	C. AMERICA W.C.	MIDDLE EAST	0	10	0	0	10
TRANSITS	C. AMERICA W.C.	S. AMERICA E.C.	0	0	0	0	0
CARGO TONS	C. AMERICA W.C.	S. AMERICA E.C.	0	6019	537	0	6556
TRANSITS	C. AMERICA W.C.	U.S. EAST COAST	0	0	0	0	0
CARGO TONS	C. AMERICA W.C.	U.S. EAST COAST	0	5031	156	0	5187

2060 Status Quo Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Full Container Ships (Cont.)							
TRANSITS	CANADA WEST COAST	EUROPE	0	28	3	0	31
CARGO TONS	CANADA WEST COAST	EUROPE	0	408509	102491	0	511000
TRANSITS	OCEANIA	CANADA EAST COAST	0	0	0	0	0
CARGO TONS	OCEANIA	CANADA EAST COAST	0	0	0	0	0
TRANSITS	OCEANIA	CENTRAL AMERICA E.C., W. INDIE	0	5	0	0	5
CARGO TONS	OCEANIA	CENTRAL AMERICA E.C., W. INDIE	0	62017	1918	0	63935
TRANSITS	OCEANIA	S. AMERICA E.C.	0	0	0	0	0
CARGO TONS	OCEANIA	S. AMERICA E.C.	0	0	0	0	0
TRANSITS	OCEANIA	U.S. EAST COAST	0	0	0	0	0
CARGO TONS	OCEANIA	U.S. EAST COAST	0	0	0	0	0
TRANSITS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	0	0	0	0	0
CARGO TONS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	0	1027	43	0	1070
TRANSITS	S. AMERICA W.C.	EUROPE	0	139	5	0	144
CARGO TONS	S. AMERICA W.C.	EUROPE	0	2921137	160249	0	3081386
TRANSITS	S. AMERICA W.C.	S. AMERICA E.C.	0	0	0	0	0
CARGO TONS	S. AMERICA W.C.	S. AMERICA E.C.	0	0	0	0	0
TRANSITS	S. AMERICA W.C.	U.S. EAST COAST	0	98	1	0	99
CARGO TONS	S. AMERICA W.C.	U.S. EAST COAST	0	1015333	31402	0	1046735
TRANSITS	U.S. W.C., HAWAII	AFRICA	0	0	0	0	0
CARGO TONS	U.S. W.C., HAWAII	AFRICA	0	0	35	0	35
TRANSITS	U.S. W.C., HAWAII	CANADA EAST COAST	0	0	0	0	0
CARGO TONS	U.S. W.C., HAWAII	CANADA EAST COAST	0	4151	3491	0	7642
TRANSITS	U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIE	0	6	0	0	6
CARGO TONS	U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIE	0	81309	8625	0	89934
TRANSITS	U.S. W.C., HAWAII	EUROPE	0	108	56	0	163
CARGO TONS	U.S. W.C., HAWAII	EUROPE	0	1531202	1203798	0	2735000

2000 Status Quo Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Full Container Ships (Cont.)							
TRANSITS	U.S. W.C., HAWAII	MIDDLE EAST	0	24	2	0	25
CARGO TONS	U.S. W.C., HAWAII	MIDDLE EAST	0	314551	41474	0	356025
TRANSITS	U.S. W.C., HAWAII	U.S. EAST COAST	0	9	12	0	21
CARGO TONS	U.S. W.C., HAWAII	U.S. EAST COAST	0	102576	223908	0	326484
TRANSITS	TOTAL	TOTAL	0	497	594	0	1091
CARGO TONS	TOTAL	TOTAL	0	7554122	12546101	0	20100223

2060 Status Que Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Conventional General Cargo Ships							
TRANSITS	ASIA	CANADA EAST COAST	0	0	0	0	0
CARGO TONS	ASIA	CANADA EAST COAST	0	0	0	0	0
TRANSITS	ASIA	CENTRAL AMERICA E.C., W. INDIE	0	127	0	0	127
CARGO TONS	ASIA	CENTRAL AMERICA E.C., W. INDIE	0	1501007	0	0	1501007
TRANSITS	ASIA	EUROPE	0	0	0	0	0
CARGO TONS	ASIA	EUROPE	0	0	0	0	0
TRANSITS	ASIA	S. AMERICA E.C.	0	4	0	0	4
CARGO TONS	ASIA	S. AMERICA E.C.	0	25255	0	0	25255
TRANSITS	ASIA	U.S. EAST COAST	0	49	0	0	49
CARGO TONS	ASIA	U.S. EAST COAST	0	631941	0	0	631941
TRANSITS	C. AMERICA W.C.	AFRICA	0	7	0	0	7
CARGO TONS	C. AMERICA W.C.	AFRICA	0	139453	0	0	139453
TRANSITS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	48	7	0	0	55
CARGO TONS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	105993	137258	0	0	243251
TRANSITS	C. AMERICA W.C.	EUROPE	23	27	0	0	51
CARGO TONS	C. AMERICA W.C.	EUROPE	46272	245226	0	0	291498
TRANSITS	C. AMERICA W.C.	S. AMERICA E.C.	7	8	0	0	15
CARGO TONS	C. AMERICA W.C.	S. AMERICA E.C.	25066	74181	0	0	99247
TRANSITS	C. AMERICA W.C.	U.S. EAST COAST	13	3	0	0	16
CARGO TONS	C. AMERICA W.C.	U.S. EAST COAST	45649	38066	0	0	83715
TRANSITS	CANADA WEST COAST	ASIA	0	1	0	0	1
CARGO TONS	CANADA WEST COAST	ASIA	0	5337	0	0	5337
TRANSITS	CANADA WEST COAST	CENTRAL AMERICA E.C., W. INDIE	10	6	0	0	16
CARGO TONS	CANADA WEST COAST	CENTRAL AMERICA E.C., W. INDIE	36629	83611	0	0	120240
TRANSITS	CANADA WEST COAST	EUROPE	0	1	0	0	1
CARGO TONS	CANADA WEST COAST	EUROPE	0	20637	0	0	20637

2060 Status Quo Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Conventional General Cargo Ships (Cont.)							
TRANSITS	CANADA WEST COAST	MIDDLE EAST	0	2	0	0	2
CARGO TONS	CANADA WEST COAST	MIDDLE EAST	0	12722	0	0	12722
TRANSITS	CANADA WEST COAST	S. AMERICA E.C.	7	6	0	0	14
CARGO TONS	CANADA WEST COAST	S. AMERICA E.C.	29296	96842	0	0	126138
TRANSITS	OCEANIA	AFRICA	0	0	0	0	0
CARGO TONS	OCEANIA	AFRICA	0	0	0	0	0
TRANSITS	OCEANIA	CENTRAL AMERICA E.C., W. INDIE	0	1	0	0	1
CARGO TONS	OCEANIA	CENTRAL AMERICA E.C., W. INDIE	0	6566	0	0	6566
TRANSITS	OCEANIA	EUROPE	0	0	0	0	0
CARGO TONS	OCEANIA	EUROPE	0	0	0	0	0
TRANSITS	OCEANIA	S. AMERICA E.C.	0	0	0	0	0
CARGO TONS	OCEANIA	S. AMERICA E.C.	0	0	0	0	0
TRANSITS	OCEANIA	U.S. EAST COAST	1	0	0	0	1
CARGO TONS	OCEANIA	U.S. EAST COAST	1797	4203	0	0	6000
TRANSITS	S. AMERICA W.C.	AFRICA	0	0	0	0	0
CARGO TONS	S. AMERICA W.C.	AFRICA	0	0	0	0	0
TRANSITS	S. AMERICA W.C.	CANADA EAST COAST	0	0	0	0	0
CARGO TONS	S. AMERICA W.C.	CANADA EAST COAST	0	0	0	0	0
TRANSITS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	67	15	0	0	82
CARGO TONS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	195461	165357	0	0	360818
TRANSITS	S. AMERICA W.C.	EUROPE	0	171	0	0	171
CARGO TONS	S. AMERICA W.C.	EUROPE	0	2817210	0	0	2817210
TRANSITS	S. AMERICA W.C.	MIDDLE EAST	0	0	0	0	0
CARGO TONS	S. AMERICA W.C.	MIDDLE EAST	0	0	0	0	0
TRANSITS	S. AMERICA W.C.	S. AMERICA E.C.	0	0	0	0	0
CARGO TONS	S. AMERICA W.C.	S. AMERICA E.C.	0	0	0	0	0

2060 Status Quo Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Conventional General Cargo Ships (Cont.)							
TRANSITS	S. AMERICA W.C.	U.S. EAST COAST	22	33	0	0	56
CARGO TONS	S. AMERICA W.C.	U.S. EAST COAST	61923	368296	0	0	430219
TRANSITS	U.S. W.C., HAWAII	AFRICA	0	7	0	0	7
CARGO TONS	U.S. W.C., HAWAII	AFRICA	0	75385	0	0	75385
TRANSITS	U.S. W.C., HAWAII	ASIA	0	0	0	0	0
CARGO TONS	U.S. W.C., HAWAII	ASIA	0	0	0	0	0
TRANSITS	U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIE	3	0	0	0	3
CARGO TONS	U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIE	953	83	0	0	1036
TRANSITS	U.S. W.C., HAWAII	EUROPE	2	1	0	0	3
CARGO TONS	U.S. W.C., HAWAII	EUROPE	6332	18800	0	0	25132
TRANSITS	U.S. W.C., HAWAII	S. AMERICA E.C.	0	0	0	0	0
CARGO TONS	U.S. W.C., HAWAII	S. AMERICA E.C.	0	0	0	0	0
TRANSITS	TOTAL	TOTAL	204	477	0	0	681
CARGO TONS	TOTAL	TOTAL	555372	6467435	0	0	7022807

2060 Status Quo Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Liquified Petroleum Gas Carriers							
TRANSITS	ASIA	U.S. EAST COAST	0	0	0	0	0
CARGO TONS	ASIA	U.S. EAST COAST	0	0	0	0	0
TRANSITS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	10	0	0	0	10
CARGO TONS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	42787	0	0	0	42787
TRANSITS	OCEANIA	U.S. EAST COAST	0	3	1	0	4
CARGO TONS	OCEANIA	U.S. EAST COAST	0	28461	28503	0	56964
TRANSITS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	0	0	0	0	0
CARGO TONS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	0	0	0	0	0
TRANSITS	S. AMERICA W.C.	U.S. EAST COAST	0	0	0	0	0
CARGO TONS	S. AMERICA W.C.	U.S. EAST COAST	0	0	0	0	0
TRANSITS	TOTAL	TOTAL	10	3	1	0	14
CARGO TONS	TOTAL	TOTAL	42787	28461	28503	0	99751

2060 Status Quo Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Refrigerated Cargo Ships							
TRANSITS	ASIA	AFRICA	0	0	0	0	0
CARGO TONS	ASIA	AFRICA	0	0	0	0	0
TRANSITS	ASIA	CENTRAL AMERICA E.C., W. INDIE	0	25	0	0	25
CARGO TONS	ASIA	CENTRAL AMERICA E.C., W. INDIE	0	95354	0	0	95354
TRANSITS	ASIA	S. AMERICA E.C.	0	0	0	0	0
CARGO TONS	ASIA	S. AMERICA E.C.	0	0	0	0	0
TRANSITS	ASIA	U.S. EAST COAST	1	0	0	0	1
CARGO TONS	ASIA	U.S. EAST COAST	22	14	0	0	36
TRANSITS	C. AMERICA W.C.	AFRICA	1	1	0	0	2
CARGO TONS	C. AMERICA W.C.	AFRICA	3942	2628	0	0	6570
TRANSITS	C. AMERICA W.C.	CANADA EAST COAST	0	0	0	0	1
CARGO TONS	C. AMERICA W.C.	CANADA EAST COAST	2902	1934	0	0	4836
TRANSITS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	0	39	0	0	39
CARGO TONS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	0	293678	0	0	293678
TRANSITS	C. AMERICA W.C.	EUROPE	0	276	0	0	276
CARGO TONS	C. AMERICA W.C.	EUROPE	0	1493468	0	0	1493468
TRANSITS	C. AMERICA W.C.	S. AMERICA E.C.	1	0	0	0	2
CARGO TONS	C. AMERICA W.C.	S. AMERICA E.C.	5466	3644	0	0	9110
TRANSITS	C. AMERICA W.C.	U.S. EAST COAST	1	0	0	0	1
CARGO TONS	C. AMERICA W.C.	U.S. EAST COAST	1391	928	0	0	2319
TRANSITS	CANADA WEST COAST	AFRICA	0	0	0	0	0
CARGO TONS	CANADA WEST COAST	AFRICA	0	0	0	0	0
TRANSITS	CANADA WEST COAST	EUROPE	0	4	0	0	4
CARGO TONS	CANADA WEST COAST	EUROPE	0	44776	0	0	44776
TRANSITS	OCEANIA	CENTRAL AMERICA E.C., W. INDIE	5	2	0	0	6
CARGO TONS	OCEANIA	CENTRAL AMERICA E.C., W. INDIE	29780	19853	0	0	49633

2080 Status Quo Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Refrigerated Cargo Ships (Cont.)							
TRANSITS	OCEANIA	EUROPE	0	0	0	0	0
CARGO TONS	OCEANIA	EUROPE	0	0	0	0	0
TRANSITS	OCEANIA	S. AMERICA E.C.	0	0	0	0	0
CARGO TONS	OCEANIA	S. AMERICA E.C.	0	0	0	0	0
TRANSITS	OCEANIA	U.S. EAST COAST	34	19	0	0	53
CARGO TONS	OCEANIA	U.S. EAST COAST	139016	67896	0	0	206912
TRANSITS	S. AMERICA W.C.	AFRICA	0	0	0	0	0
CARGO TONS	S. AMERICA W.C.	AFRICA	0	0	0	0	0
TRANSITS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	2	38	0	0	40
CARGO TONS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	11382	229200	0	0	240582
TRANSITS	S. AMERICA W.C.	EUROPE	243	858	0	0	1101
CARGO TONS	S. AMERICA W.C.	EUROPE	1073620	5740898	0	0	6814518
TRANSITS	S. AMERICA W.C.	MIDDLE EAST	0	0	0	0	0
CARGO TONS	S. AMERICA W.C.	MIDDLE EAST	0	0	0	0	0
TRANSITS	S. AMERICA W.C.	S. AMERICA E.C.	0	0	0	0	0
CARGO TONS	S. AMERICA W.C.	S. AMERICA E.C.	0	0	0	0	0
TRANSITS	S. AMERICA W.C.	U.S. EAST COAST	107	701	0	0	808
CARGO TONS	S. AMERICA W.C.	U.S. EAST COAST	286912	3534547	0	0	3821459
TRANSITS	U.S. W.C., HAWAII	EUROPE	71	70	0	0	140
CARGO TONS	U.S. W.C., HAWAII	EUROPE	444009	359636	0	0	803645
TRANSITS	U.S. W.C., HAWAII	S. AMERICA E.C.	0	0	0	0	0
CARGO TONS	U.S. W.C., HAWAII	S. AMERICA E.C.	0	0	0	0	0
TRANSITS	TOTAL	TOTAL	466	2033	0	0	2500
CARGO TONS	TOTAL	TOTAL	1998442	11888455	215724	0	13886896

2060 Status Quo Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Roll-On Roll-Off Ships							
TRANSITS	ASIA	CANADA EAST COAST	2	1	0	0	3
CARGO TONS	ASIA	CANADA EAST COAST	5997	6572	2512	0	15081
TRANSITS	ASIA	CENTRAL AMERICA E.C., W. INDIE	0	22	10	0	32
CARGO TONS	ASIA	CENTRAL AMERICA E.C., W. INDIE	0	352536	280526	0	633062
TRANSITS	ASIA	EUROPE	3	1	1	0	5
CARGO TONS	ASIA	EUROPE	12296	2240	19310	0	33846
TRANSITS	ASIA	U.S. EAST COAST	3	43	21	0	67
CARGO TONS	ASIA	U.S. EAST COAST	6870	710842	568145	0	1285857
TRANSITS	C. AMERICA W.C.	EUROPE	0	33	0	0	33
CARGO TONS	C. AMERICA W.C.	EUROPE	0	176988	0	0	176988
TRANSITS	C. AMERICA W.C.	S. AMERICA E.C.	0	0	0	0	0
CARGO TONS	C. AMERICA W.C.	S. AMERICA E.C.	0	380	0	0	380
TRANSITS	C. AMERICA W.C.	U.S. EAST COAST	0	3	0	0	3
CARGO TONS	C. AMERICA W.C.	U.S. EAST COAST	0	1190	0	0	1190
TRANSITS	CANADA WEST COAST	CENTRAL AMERICA E.C., W. INDIE	0	0	0	0	0
CARGO TONS	CANADA WEST COAST	CENTRAL AMERICA E.C., W. INDIE	1002	31	0	0	1033
TRANSITS	OCEANIA	CENTRAL AMERICA E.C., W. INDIE	0	0	0	0	0
CARGO TONS	OCEANIA	CENTRAL AMERICA E.C., W. INDIE	0	241	13	0	254
TRANSITS	OCEANIA	EUROPE	0	0	0	0	0
CARGO TONS	OCEANIA	EUROPE	0	0	0	0	0
TRANSITS	OCEANIA	U.S. EAST COAST	0	0	0	0	0
CARGO TONS	OCEANIA	U.S. EAST COAST	0	0	0	0	0
TRANSITS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	22	0	0	0	22
CARGO TONS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	42828	1325	0	0	44153
TRANSITS	S. AMERICA W.C.	EUROPE	0	2	0	0	2
CARGO TONS	S. AMERICA W.C.	EUROPE	0	5272	0	0	5272

2060 Status Quo Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Roll-On Roll-Off Ships (Cont.)							
TRANSITS	S. AMERICA W.C.	S. AMERICA E.C.	0	0	0	0	0
CARGO TONS	S. AMERICA W.C.	S. AMERICA E.C.	0	0	0	0	0
TRANSITS	S. AMERICA W.C.	U.S. EAST COAST	12	0	0	0	12
CARGO TONS	S. AMERICA W.C.	U.S. EAST COAST	24470	757	0	0	25227
TRANSITS	U.S. W.C., HAWAII	CANADA EAST COAST	1	0	0	0	1
CARGO TONS	U.S. W.C., HAWAII	CANADA EAST COAST	1838	57	0	0	1895
TRANSITS	U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIE	0	1	1	0	2
CARGO TONS	U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIE	0	11331	36850	0	48181
TRANSITS	U.S. W.C., HAWAII	EUROPE	0	0	0	0	0
CARGO TONS	U.S. W.C., HAWAII	EUROPE	0	193	476	0	669
TRANSITS	U.S. W.C., HAWAII	U.S. EAST COAST	0	0	0	0	0
CARGO TONS	U.S. W.C., HAWAII	U.S. EAST COAST	0	5455	3845	0	9300
TRANSITS	TOTAL	TOTAL	43	105	34	0	182
CARGO TONS	TOTAL	TOTAL	95302	1275410	911677	0	2282388

2060 Status Quo Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Oil Tankers							
TRANSITS	ASIA	AFRICA	0	0	0	0	0
CARGO TONS	ASIA	AFRICA	0	0	0	0	0
TRANSITS	ASIA	EUROPE	0	0	0	0	0
CARGO TONS	ASIA	EUROPE	0	0	0	0	0
TRANSITS	ASIA	U.S. EAST COAST	0	0	0	0	0
CARGO TONS	ASIA	U.S. EAST COAST	0	0	0	0	0
TRANSITS	C. AMERICA W.C.	AFRICA	0	0	0	0	0
CARGO TONS	C. AMERICA W.C.	AFRICA	72	0	0	0	72
TRANSITS	C. AMERICA W.C.	CANADA EAST COAST	0	0	0	0	0
CARGO TONS	C. AMERICA W.C.	CANADA EAST COAST	0	7735	158	0	7893
TRANSITS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	7	8	0	0	16
CARGO TONS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	27407	66050	1513	0	94970
TRANSITS	C. AMERICA W.C.	EUROPE	0	4	0	0	4
CARGO TONS	C. AMERICA W.C.	EUROPE	0	92415	1886	0	94301
TRANSITS	C. AMERICA W.C.	S. AMERICA E.C.	0	0	0	0	0
CARGO TONS	C. AMERICA W.C.	S. AMERICA E.C.	0	0	0	0	0
TRANSITS	C. AMERICA W.C.	U.S. EAST COAST	5	5	0	0	10
CARGO TONS	C. AMERICA W.C.	U.S. EAST COAST	19543	59314	1383	0	80241
TRANSITS	CANADA WEST COAST	U.S. EAST COAST	0	1	4	1	6
CARGO TONS	CANADA WEST COAST	U.S. EAST COAST	0	36584	188959	29617	255159
TRANSITS	OCEANIA	EUROPE	0	0	0	0	0
CARGO TONS	OCEANIA	EUROPE	0	0	0	0	0
TRANSITS	OCEANIA	U.S. EAST COAST	0	0	0	0	0
CARGO TONS	OCEANIA	U.S. EAST COAST	0	0	0	0	0
TRANSITS	S. AMERICA W.C.	CANADA EAST COAST	0	0	0	0	0
CARGO TONS	S. AMERICA W.C.	CANADA EAST COAST	0	0	0	0	0

2060 Status Quo Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Oil Tankers (Cont.)							
TRANSITS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	0	0	0	0	0
CARGO TONS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	0	0	0	0	0
TRANSITS	S. AMERICA W.C.	EUROPE	14	5	0	0	19
CARGO TONS	S. AMERICA W.C.	EUROPE	36333	132935	3900	0	173169
TRANSITS	S. AMERICA W.C.	S. AMERICA E.C.	0	0	0	0	0
CARGO TONS	S. AMERICA W.C.	S. AMERICA E.C.	0	0	0	0	0
TRANSITS	S. AMERICA W.C.	U.S. EAST COAST	0	0	0	0	0
CARGO TONS	S. AMERICA W.C.	U.S. EAST COAST	0	0	0	0	0
TRANSITS	U.S. W.C., HAWAII	AFRICA	0	0	0	0	0
CARGO TONS	U.S. W.C., HAWAII	AFRICA	0	0	0	0	0
TRANSITS	U.S. W.C., HAWAII	CANADA EAST COAST	0	0	0	0	0
CARGO TONS	U.S. W.C., HAWAII	CANADA EAST COAST	0	0	0	0	0
TRANSITS	U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIE	0	1	1	1	3
CARGO TONS	U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIE	0	25123	31641	39291	96056
TRANSITS	U.S. W.C., HAWAII	S. AMERICA E.C.	0	0	0	0	0
CARGO TONS	U.S. W.C., HAWAII	S. AMERICA E.C.	0	0	0	0	0
TRANSITS	U.S. W.C., HAWAII	U.S. EAST COAST	0	3	0	1	4
CARGO TONS	U.S. W.C., HAWAII	U.S. EAST COAST	0	59941	14437	27168	101546
TRANSITS	TOTAL	TOTAL	28	27	5	2	62
CARGO TONS	TOTAL	TOTAL	83355	480098	243878	96076	903407

2060 Status Quo Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Vehicle Carriers							
TRANSITS	ASIA	AFRICA	0	0	0	0	0
CARGO TONS	ASIA	AFRICA	0	0	0	0	0
TRANSITS	ASIA	CENTRAL AMERICA E.C., W. INDIE	5	9	0	0	13
CARGO TONS	ASIA	CENTRAL AMERICA E.C., W. INDIE	6279	27311	0	0	33590
TRANSITS	ASIA	EUROPE	0	12	0	0	12
CARGO TONS	ASIA	EUROPE	0	69727	0	0	69727
TRANSITS	ASIA	S. AMERICA E.C.	0	0	0	0	0
CARGO TONS	ASIA	S. AMERICA E.C.	37	220	0	0	257
TRANSITS	ASIA	U.S. EAST COAST	35	446	0	0	481
CARGO TONS	ASIA	U.S. EAST COAST	88833	2162354	0	0	2251187
TRANSITS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	3	0	0	0	3
CARGO TONS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	2597	47	0	0	2644
TRANSITS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	0	0	0	0	0
CARGO TONS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	185	0	0	0	185
TRANSITS	TOTAL	TOTAL	42	467	0	0	510
CARGO TONS	TOTAL	TOTAL	97931	2259659	0	0	2357590

2000 Status Quo Vessel Transits

Laden Southbound

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Container-Breakbulk Ships							
TRANSITS	AFRICA	C. AMERICA W.C.	0	6	1	0	6
CARGO TONS	AFRICA	C. AMERICA W.C.	0	157578	27880	0	185458
TRANSITS	AFRICA	CANADA WEST COAST	0	0	0	0	0
CARGO TONS	AFRICA	CANADA WEST COAST	0	4440	783	0	5223
TRANSITS	AFRICA	U.S. W.C., HAWAII	0	2	0	0	2
CARGO TONS	AFRICA	U.S. W.C., HAWAII	0	21202	3741	0	24943
TRANSITS	ASIA	C. AMERICA W.C.	0	6	1	0	6
CARGO TONS	ASIA	C. AMERICA W.C.	0	94072	16601	0	110673
TRANSITS	CANADA EAST COAST	ASIA	0	0	0	0	0
CARGO TONS	CANADA EAST COAST	ASIA	0	0	0	0	0
TRANSITS	CANADA EAST COAST	C. AMERICA W.C.	0	2	0	0	3
CARGO TONS	CANADA EAST COAST	C. AMERICA W.C.	0	21635	3819	0	25454
TRANSITS	CANADA EAST COAST	OCEANIA	0	0	0	0	0
CARGO TONS	CANADA EAST COAST	OCEANIA	0	0	0	0	0
TRANSITS	CANADA EAST COAST	S. AMERICA W.C.	0	1	0	0	1
CARGO TONS	CANADA EAST COAST	S. AMERICA W.C.	0	15655	1251	0	16906
TRANSITS	CANADA EAST COAST	U.S. W.C., HAWAII	0	0	0	0	0
CARGO TONS	CANADA EAST COAST	U.S. W.C., HAWAII	0	98	17	0	115
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	ASIA	0	11	1	0	13
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	ASIA	0	224140	46162	0	270302
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	0	12	1	0	13
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	0	41455	7316	0	48771
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	CANADA WEST COAST	0	3	0	0	4
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	CANADA WEST COAST	0	50294	8875	0	59169
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	OCEANIA	0	2	0	0	2
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	OCEANIA	0	32423	5722	0	38145

2060 Status Quo Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Container-Breakbulk Ships (Cont.)							
TRANSITS	CENTRAL AMERICA E.C., W. INDIES.	AMERICA W.C.	0	33	3	0	37
CARGO TONS	CENTRAL AMERICA E.C., W. INDIES.	AMERICA W.C.	0	243407	42954	0	286361
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	0	5	1	0	6
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	0	89208	22647	0	111855
TRANSITS	EUROPE	ASIA	0	8	1	0	9
CARGO TONS	EUROPE	ASIA	0	129813	17232	0	147045
TRANSITS	EUROPE	C. AMERICA W.C.	0	40	4	0	44
CARGO TONS	EUROPE	C. AMERICA W.C.	0	230189	40622	0	270811
TRANSITS	EUROPE	CANADA WEST COAST	0	1	6	0	7
CARGO TONS	EUROPE	CANADA WEST COAST	0	21095	195502	0	216597
TRANSITS	EUROPE	OCEANIA	0	0	0	0	0
CARGO TONS	EUROPE	OCEANIA	0	0	0	0	0
TRANSITS	EUROPE	S. AMERICA W.C.	0	166	17	0	182
CARGO TONS	EUROPE	S. AMERICA W.C.	0	1278148	225556	0	1503704
TRANSITS	EUROPE	U.S. W.C., HAWAII	0	7	28	0	36
CARGO TONS	EUROPE	U.S. W.C., HAWAII	306	150024	965098	0	1115427
TRANSITS	S. AMERICA E.C.	ASIA	0	0	0	0	0
CARGO TONS	S. AMERICA E.C.	ASIA	0	0	0	0	0
TRANSITS	S. AMERICA E.C.	C. AMERICA W.C.	0	15	1	0	16
CARGO TONS	S. AMERICA E.C.	C. AMERICA W.C.	0	220327	31321	0	251648
TRANSITS	S. AMERICA E.C.	CANADA WEST COAST	0	0	0	0	0
CARGO TONS	S. AMERICA E.C.	CANADA WEST COAST	0	0	0	0	0
TRANSITS	S. AMERICA E.C.	OCEANIA	0	0	0	0	0
CARGO TONS	S. AMERICA E.C.	OCEANIA	0	0	0	0	0
TRANSITS	S. AMERICA E.C.	S. AMERICA W.C.	0	0	0	0	0
CARGO TONS	S. AMERICA E.C.	S. AMERICA W.C.	0	0	0	0	0

2060 Status Quo Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Container-Breakbulk Ships (Cont.)							
TRANSITS	S. AMERICA E.C.	U.S. W.C., HAWAII	0	0	0	0	0
CARGO TONS	S. AMERICA E.C.	U.S. W.C., HAWAII	0	0	0	0	0
TRANSITS	U.S. EAST COAST	ASIA	0	167	116	0	284
CARGO TONS	U.S. EAST COAST	ASIA	0	3489041	3688089	0	7177130
TRANSITS	U.S. EAST COAST	C. AMERICA W.C.	0	20	2	0	22
CARGO TONS	U.S. EAST COAST	C. AMERICA W.C.	0	368120	77567	0	445687
TRANSITS	U.S. EAST COAST	OCEANIA	0	0	0	0	0
CARGO TONS	U.S. EAST COAST	OCEANIA	0	0	0	0	0
TRANSITS	U.S. EAST COAST	S. AMERICA W.C.	0	310	36	0	347
CARGO TONS	U.S. EAST COAST	S. AMERICA W.C.	0	2395405	1047229	0	3442634
TRANSITS	U.S. EAST COAST	U.S. W.C., HAWAII	0	0	0	0	0
CARGO TONS	U.S. EAST COAST	U.S. W.C., HAWAII	0	0	195	0	195
TRANSITS	TOTAL	TOTAL	0	818	221	0	1039
CARGO TONS	TOTAL	TOTAL	306	9277768	6476179	0	15754253

2000 Status Quo Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Combined and Dry Bulk Carriers							
TRANSITS	AFRICA	C. AMERICA W.C.	0	27	1	3	31
CARGO TONS	AFRICA	C. AMERICA W.C.	0	960554	36021	204118	1200692
TRANSITS	AFRICA	CANADA WEST COAST	0	0	0	0	0
CARGO TONS	AFRICA	CANADA WEST COAST	0	0	0	0	0
TRANSITS	AFRICA	OCEANIA	0	0	0	0	0
CARGO TONS	AFRICA	OCEANIA	0	0	0	0	0
TRANSITS	AFRICA	S. AMERICA W.C.	0	8	0	1	10
CARGO TONS	AFRICA	S. AMERICA W.C.	0	250592	9397	53251	313240
TRANSITS	AFRICA	U.S. W.C., HAWAII	0	0	0	0	0
CARGO TONS	AFRICA	U.S. W.C., HAWAII	0	0	0	0	0
TRANSITS	CANADA EAST COAST	ASIA	0	0	0	0	0
CARGO TONS	CANADA EAST COAST	ASIA	0	0	0	0	0
TRANSITS	CANADA EAST COAST	OCEANIA	0	0	0	0	0
CARGO TONS	CANADA EAST COAST	OCEANIA	0	0	0	0	0
TRANSITS	CANADA EAST COAST	S. AMERICA W.C.	0	0	0	0	0
CARGO TONS	CANADA EAST COAST	S. AMERICA W.C.	0	0	0	0	0
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	ASIA	0	20	0	2	23
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	ASIA	0	646401	24240	137360	808001
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	0	46	1	5	52
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	0	1319958	49498	280491	1649947
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	CANADA WEST COAST	0	3	0	0	3
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	CANADA WEST COAST	0	84270	3160	17907	105337
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	OCEANIA	0	0	0	0	0
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	OCEANIA	0	0	0	0	0
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	S. AMERICA W.C.	0	0	0	0	0
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	S. AMERICA W.C.	0	0	0	0	0

2000 Status Quo Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Combined and Dry Bulk Carriers (Cont.)							
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	0	8	0	1	9
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	0	229157	8593	48696	286446
TRANSITS	EUROPE	ASIA	0	0	0	0	0
CARGO TONS	EUROPE	ASIA	0	0	0	0	0
TRANSITS	EUROPE	C. AMERICA W.C.	0	47	1	5	54
CARGO TONS	EUROPE	C. AMERICA W.C.	0	1301814	48818	276636	1627268
TRANSITS	EUROPE	CANADA WEST COAST	0	0	0	0	0
CARGO TONS	EUROPE	CANADA WEST COAST	0	0	0	0	0
TRANSITS	EUROPE	OCEANIA	0	0	0	0	0
CARGO TONS	EUROPE	OCEANIA	0	0	0	0	0
TRANSITS	EUROPE	S. AMERICA W.C.	0	0	0	0	0
CARGO TONS	EUROPE	S. AMERICA W.C.	0	0	0	0	0
TRANSITS	EUROPE	U.S. W.C., HAWAII	0	97	40	18	155
CARGO TONS	EUROPE	U.S. W.C., HAWAII	0	2140496	1680009	858159	4678664
TRANSITS	MIDDLE EAST	S. AMERICA W.C.	0	0	0	0	0
CARGO TONS	MIDDLE EAST	S. AMERICA W.C.	0	0	0	0	0
TRANSITS	S. AMERICA E.C.	ASIA	0	0	0	0	0
CARGO TONS	S. AMERICA E.C.	ASIA	0	0	0	0	0
TRANSITS	S. AMERICA E.C.	C. AMERICA W.C.	0	0	0	0	0
CARGO TONS	S. AMERICA E.C.	C. AMERICA W.C.	0	0	0	0	0
TRANSITS	S. AMERICA E.C.	CANADA WEST COAST	0	0	0	0	0
CARGO TONS	S. AMERICA E.C.	CANADA WEST COAST	0	0	0	0	0
TRANSITS	S. AMERICA E.C.	S. AMERICA W.C.	0	0	0	0	0
CARGO TONS	S. AMERICA E.C.	S. AMERICA W.C.	0	0	0	0	0
TRANSITS	S. AMERICA E.C.	U.S. W.C., HAWAII	0	0	0	0	0
CARGO TONS	S. AMERICA E.C.	U.S. W.C., HAWAII	0	0	0	0	0

2060 Status Quo Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Combined and Dry Bulk Carriers (Cont.)							
TRANSITS	U.S. EAST COAST	ASIA	0	0	818	421	1238
CARGO TONS	U.S. EAST COAST	ASIA	0	0	41538827	23167398	64706225
TRANSITS	U.S. EAST COAST	C. AMERICA W.C.	0	338	22	40	401
CARGO TONS	U.S. EAST COAST	C. AMERICA W.C.	0	10911523	997495	2093507	14002524
TRANSITS	U.S. EAST COAST	CANADA WEST COAST	0	0	0	0	0
CARGO TONS	U.S. EAST COAST	CANADA WEST COAST	0	0	0	0	0
TRANSITS	U.S. EAST COAST	OCEANIA	0	0	0	0	0
CARGO TONS	U.S. EAST COAST	OCEANIA	0	0	0	0	0
TRANSITS	U.S. EAST COAST	S. AMERICA W.C.	0	0	0	0	0
CARGO TONS	U.S. EAST COAST	S. AMERICA W.C.	0	0	0	0	0
TRANSITS	U.S. EAST COAST	U.S. W.C., HAWAII	0	1	0	0	1
CARGO TONS	U.S. EAST COAST	U.S. W.C., HAWAII	0	297	11	63	371
TRANSITS	TOTAL	TOTAL	0	596	884	497	1976
CARGO TONS	TOTAL	TOTAL	0	17845060	44396070	27137589	89378719

2000 Status Quo Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Chemical Tankers							
TRANSITS	AFRICA	S. AMERICA W.C.	0	2	0	0	2
CARGO TONS	AFRICA	S. AMERICA W.C.	0	58603	0	0	58603
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	ASIA	0	9	0	0	9
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	ASIA	0	293416	0	0	293416
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	0	5	0	0	5
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	0	114535	0	0	114535
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	S. AMERICA W.C.	4	7	0	0	11
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	S. AMERICA W.C.	25986	190658	0	0	216644
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	2	0	0	0	2
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	14313	753	0	0	15066
TRANSITS	EUROPE	ASIA	0	17	3	0	20
CARGO TONS	EUROPE	ASIA	0	523250	130813	0	654063
TRANSITS	EUROPE	C. AMERICA W.C.	10	0	0	0	10
CARGO TONS	EUROPE	C. AMERICA W.C.	48102	2532	0	0	50634
TRANSITS	EUROPE	OCEANIA	0	0	0	0	0
CARGO TONS	EUROPE	OCEANIA	0	0	0	0	0
TRANSITS	EUROPE	S. AMERICA W.C.	0	0	0	0	0
CARGO TONS	EUROPE	S. AMERICA W.C.	0	0	0	0	0
TRANSITS	EUROPE	U.S. W.C., HAWAII	2	8	0	0	10
CARGO TONS	EUROPE	U.S. W.C., HAWAII	11435	249086	0	0	260521
TRANSITS	S. AMERICA E.C.	C. AMERICA W.C.	0	0	0	0	0
CARGO TONS	S. AMERICA E.C.	C. AMERICA W.C.	0	0	0	0	0
TRANSITS	S. AMERICA E.C.	S. AMERICA W.C.	0	0	0	0	0
CARGO TONS	S. AMERICA E.C.	S. AMERICA W.C.	0	0	0	0	0
TRANSITS	S. AMERICA E.C.	U.S. W.C., HAWAII	0	0	0	0	0
CARGO TONS	S. AMERICA E.C.	U.S. W.C., HAWAII	0	0	0	0	0

2060 Status Quo Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Chemical Tankers (Cont.)							
TRANSITS	U.S. EAST COAST	ASIA	0	581	102	0	683
CARGO TONS	U.S. EAST COAST	ASIA	0	18996558	4749139	0	23745697
TRANSITS	U.S. EAST COAST	C. AMERICA W.C.	24	4	0	0	27
CARGO TONS	U.S. EAST COAST	C. AMERICA W.C.	140703	97039	0	0	237742
TRANSITS	U.S. EAST COAST	CANADA WEST COAST	8	0	0	0	8
CARGO TONS	U.S. EAST COAST	CANADA WEST COAST	52677	8485	0	0	61162
TRANSITS	U.S. EAST COAST	OCEANIA	1	12	4	0	17
CARGO TONS	U.S. EAST COAST	OCEANIA	9269	358039	177215	0	544523
TRANSITS	U.S. EAST COAST	S. AMERICA W.C.	43	9	1	0	53
CARGO TONS	U.S. EAST COAST	S. AMERICA W.C.	258990	246350	54461	0	559801
TRANSITS	U.S. EAST COAST	U.S. W.C., HAWAII	0	11	37	0	48
CARGO TONS	U.S. EAST COAST	U.S. W.C., HAWAII	0	346462	1467345	0	1813807
TRANSITS	TOTAL	TOTAL	93	665	148	0	906
CARGO TONS	TOTAL	TOTAL	561476	21485765	6578973	0	28626214

2000 Status Quo Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Full Container Ships							
TRANSITS	AFRICA	U.S. W.C., HAWAII	0	0	0	0	0
CARGO TONS	AFRICA	U.S. W.C., HAWAII	0	5250	162	0	5412
TRANSITS	CANADA EAST COAST	ASIA	0	27	7	0	35
CARGO TONS	CANADA EAST COAST	ASIA	0	443714	214286	0	658000
TRANSITS	CANADA EAST COAST	OCEANIA	0	0	0	0	0
CARGO TONS	CANADA EAST COAST	OCEANIA	0	0	0	0	0
TRANSITS	CANADA EAST COAST	U.S. W.C., HAWAII	0	0	8	0	8
CARGO TONS	CANADA EAST COAST	U.S. W.C., HAWAII	0	0	247442	0	247442
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	ASIA	0	7	1	0	8
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	ASIA	0	92835	23425	0	116260
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	0	1	0	0	1
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	0	6911	377	0	7288
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	OCEANIA	0	1	0	0	1
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	OCEANIA	0	7327	227	0	7554
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	S. AMERICA W.C.	0	2	0	0	2
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	S. AMERICA W.C.	0	10062	419	0	10481
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	0	1	0	0	2
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	0	22907	2754	0	25661
TRANSITS	EUROPE	ASIA	0	6	8	0	14
CARGO TONS	EUROPE	ASIA	0	96990	224624	0	321614
TRANSITS	EUROPE	C. AMERICA W.C.	0	0	0	0	0
CARGO TONS	EUROPE	C. AMERICA W.C.	0	1098	58	0	1156
TRANSITS	EUROPE	CANADA WEST COAST	0	24	1	0	25
CARGO TONS	EUROPE	CANADA WEST COAST	0	313533	22467	0	336000

2000 Status Quo Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Full Container Ships (Cont.)							
TRANSITS	EUROPE	OCEANIA	0	0	0	0	0
CARGO TONS	EUROPE	OCEANIA	0	0	0	0	0
TRANSITS	EUROPE	S. AMERICA W.C.	0	78	3	0	81
CARGO TONS	EUROPE	S. AMERICA W.C.	0	1243555	65450	0	1309005
TRANSITS	EUROPE	U.S. W.C., HAWAII	0	116	49	0	164
CARGO TONS	EUROPE	U.S. W.C., HAWAII	0	1525125	1437875	0	2963000
TRANSITS	MIDDLE EAST	ASIA	0	0	0	0	0
CARGO TONS	MIDDLE EAST	ASIA	0	0	0	0	0
TRANSITS	MIDDLE EAST	S. AMERICA W.C.	0	0	0	0	0
CARGO TONS	MIDDLE EAST	S. AMERICA W.C.	0	0	0	0	0
TRANSITS	MIDDLE EAST	U.S. W.C., HAWAII	0	14	1	0	15
CARGO TONS	MIDDLE EAST	U.S. W.C., HAWAII	0	219589	27163	0	246752
TRANSITS	S. AMERICA E.C.	ASIA	0	0	0	0	0
CARGO TONS	S. AMERICA E.C.	ASIA	0	0	0	0	0
TRANSITS	S. AMERICA E.C.	C. AMERICA W.C.	0	1	0	0	1
CARGO TONS	S. AMERICA E.C.	C. AMERICA W.C.	0	7785	241	0	8026
TRANSITS	S. AMERICA E.C.	S. AMERICA W.C.	0	0	0	0	0
CARGO TONS	S. AMERICA E.C.	S. AMERICA W.C.	0	0	0	0	0
TRANSITS	S. AMERICA E.C.	U.S. W.C., HAWAII	0	2	0	0	2
CARGO TONS	S. AMERICA E.C.	U.S. W.C., HAWAII	0	19262	596	0	19858
TRANSITS	U.S. EAST COAST	ASIA	0	120	573	0	694
CARGO TONS	U.S. EAST COAST	ASIA	0	2726983	16567017	0	19294000
TRANSITS	U.S. EAST COAST	C. AMERICA W.C.	0	13	0	0	13
CARGO TONS	U.S. EAST COAST	C. AMERICA W.C.	0	109054	3373	0	112427
TRANSITS	U.S. EAST COAST	OCEANIA	0	0	0	0	0
CARGO TONS	U.S. EAST COAST	OCEANIA	0	0	0	0	0

2060 Status Quo Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Full Container Ships (Cont.)							
TRANSITS	U.S. EAST COAST	S. AMERICA W.C.	0	115	1	0	117
CARGO TONS	U.S. EAST COAST	S. AMERICA W.C.	0	974378	30135	0	1004513
TRANSITS	U.S. EAST COAST	U.S. W.C., HAWAII	0	0	1	0	1
CARGO TONS	U.S. EAST COAST	U.S. W.C., HAWAII	0	725	24882	0	25607
TRANSITS	TOTAL	TOTAL	0	528	653	0	1181
CARGO TONS	TOTAL	TOTAL	0	7827082	18892974	0	26720056

2000 Status Quo Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Conventional General Cargo Ships							
TRANSITS	AFRICA	C. AMERICA W.C.	0	3	0	0	3
CARGO TONS	AFRICA	C. AMERICA W.C.	0	45684	0	0	45684
TRANSITS	AFRICA	S. AMERICA W.C.	0	3	0	0	3
CARGO TONS	AFRICA	S. AMERICA W.C.	0	67854	0	0	67854
TRANSITS	ASIA	C. AMERICA W.C.	0	3	0	0	3
CARGO TONS	ASIA	C. AMERICA W.C.	0	55778	0	0	55778
TRANSITS	CANADA EAST COAST	ASIA	0	0	0	0	0
CARGO TONS	CANADA EAST COAST	ASIA	0	0	0	0	0
TRANSITS	CANADA EAST COAST	C. AMERICA W.C.	0	2	0	0	2
CARGO TONS	CANADA EAST COAST	C. AMERICA W.C.	0	36025	0	0	36025
TRANSITS	CANADA EAST COAST	OCEANIA	0	0	0	0	0
CARGO TONS	CANADA EAST COAST	OCEANIA	0	0	0	0	0
TRANSITS	CANADA EAST COAST	S. AMERICA W.C.	0	0	0	0	0
CARGO TONS	CANADA EAST COAST	S. AMERICA W.C.	0	0	0	0	0
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	ASIA	0	28	0	0	28
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	ASIA	0	538121	0	0	538121
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	48	9	0	0	56
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	108451	100592	0	0	209043
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	OCEANIA	0	1	0	0	1
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	OCEANIA	0	12687	0	0	12687
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	S. AMERICA W.C.	24	29	0	0	53
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	S. AMERICA W.C.	61069	430835	0	0	491904
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	12	0	0	0	12
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	38699	3365	0	0	42064
TRANSITS	EUROPE	ASIA	2	4	0	0	6
CARGO TONS	EUROPE	ASIA	4600	85671	0	0	90271

2060 Status Quo Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Conventional General Cargo Ships (Cont.)							
TRANSITS	EUROPE	C. AMERICA W.C.	28	60	0	0	87
CARGO TONS	EUROPE	C. AMERICA W.C.	52132	545984	0	0	598116
TRANSITS	EUROPE	CANADA WEST COAST	3	0	0	0	3
CARGO TONS	EUROPE	CANADA WEST COAST	9783	851	0	0	10634
TRANSITS	EUROPE	OCEANIA	0	0	0	0	0
CARGO TONS	EUROPE	OCEANIA	0	0	0	0	0
TRANSITS	EUROPE	S. AMERICA W.C.	5	63	0	0	68
CARGO TONS	EUROPE	S. AMERICA W.C.	15516	664484	0	0	680000
TRANSITS	EUROPE	U.S. W.C., HAWAII	3	1	0	0	4
CARGO TONS	EUROPE	U.S. W.C., HAWAII	12113	5426	0	0	17539
TRANSITS	MIDDLE EAST	S. AMERICA W.C.	6	0	0	0	6
CARGO TONS	MIDDLE EAST	S. AMERICA W.C.	2785	242	0	0	3027
TRANSITS	MIDDLE EAST	U.S. W.C., HAWAII	0	0	0	0	0
CARGO TONS	MIDDLE EAST	U.S. W.C., HAWAII	0	0	0	0	0
TRANSITS	S. AMERICA E.C.	ASIA	0	0	0	0	0
CARGO TONS	S. AMERICA E.C.	ASIA	0	0	0	0	0
TRANSITS	S. AMERICA E.C.	C. AMERICA W.C.	0	13	0	0	13
CARGO TONS	S. AMERICA E.C.	C. AMERICA W.C.	0	260927	0	0	260927
TRANSITS	S. AMERICA E.C.	CANADA WEST COAST	0	0	0	0	0
CARGO TONS	S. AMERICA E.C.	CANADA WEST COAST	0	0	0	0	0
TRANSITS	S. AMERICA E.C.	S. AMERICA W.C.	0	0	0	0	0
CARGO TONS	S. AMERICA E.C.	S. AMERICA W.C.	0	0	0	0	0
TRANSITS	S. AMERICA E.C.	U.S. W.C., HAWAII	0	0	0	0	0
CARGO TONS	S. AMERICA E.C.	U.S. W.C., HAWAII	0	0	0	0	0
TRANSITS	U.S. EAST COAST	ASIA	0	74	0	0	74
CARGO TONS	U.S. EAST COAST	ASIA	0	1214214	0	0	1214214

2080 Status Quo Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Conventional General Cargo Ships (Cont.)							
TRANSITS	U.S. EAST COAST	C. AMERICA W.C.	73	30	0	0	103
CARGO TONS	U.S. EAST COAST	C. AMERICA W.C.	250729	525017	0	0	775746
TRANSITS	U.S. EAST COAST	OCEANIA	0	0	0	0	0
CARGO TONS	U.S. EAST COAST	OCEANIA	0	0	0	0	0
TRANSITS	U.S. EAST COAST	S. AMERICA W.C.	82	105	0	0	187
CARGO TONS	U.S. EAST COAST	S. AMERICA W.C.	214607	1121336	0	0	1335943
TRANSITS	U.S. EAST COAST	U.S. W.C., HAWAII	1	0	0	0	1
CARGO TONS	U.S. EAST COAST	U.S. W.C., HAWAII	236	20	0	0	256
TRANSITS	TOTAL	TOTAL	285	428	0	0	713
CARGO TONS	TOTAL	TOTAL	770719	5715114	0	0	6485833

2000 Status Quo Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Liquified Petroleum Gas Carriers							
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	ASIA	7	3	0	0	10
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	ASIA	17471	35209	0	0	52680
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	16	32	8	0	56
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	48108	457769	235971	0	741848
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	S. AMERICA W.C.	0	4	0	0	4
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	S. AMERICA W.C.	0	60438	0	0	60438
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	0	0	0	0	0
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	0	2591	0	0	2591
TRANSITS	EUROPE	C. AMERICA W.C.	2	0	0	0	2
CARGO TONS	EUROPE	C. AMERICA W.C.	6710	0	0	0	6710
TRANSITS	EUROPE	S. AMERICA W.C.	0	0	0	0	0
CARGO TONS	EUROPE	S. AMERICA W.C.	0	889	0	0	889
TRANSITS	S. AMERICA E.C.	ASIA	0	2	0	0	2
CARGO TONS	S. AMERICA E.C.	ASIA	0	30079	0	0	30079
TRANSITS	S. AMERICA E.C.	C. AMERICA W.C.	12	0	0	0	12
CARGO TONS	S. AMERICA E.C.	C. AMERICA W.C.	31718	0	0	0	31718
TRANSITS	S. AMERICA E.C.	S. AMERICA W.C.	0	0	0	0	0
CARGO TONS	S. AMERICA E.C.	S. AMERICA W.C.	0	0	0	0	0
TRANSITS	S. AMERICA E.C.	U.S. W.C., HAWAII	0	0	0	0	0
CARGO TONS	S. AMERICA E.C.	U.S. W.C., HAWAII	0	0	0	0	0
TRANSITS	U.S. EAST COAST	ASIA	0	3	0	0	3
CARGO TONS	U.S. EAST COAST	ASIA	809	40676	0	0	41485
TRANSITS	U.S. EAST COAST	C. AMERICA W.C.	0	0	0	0	0
CARGO TONS	U.S. EAST COAST	C. AMERICA W.C.	774	0	0	0	774
TRANSITS	U.S. EAST COAST	OCEANIA	0	0	0	0	0
CARGO TONS	U.S. EAST COAST	OCEANIA	0	22	0	0	22

2080 Status Quo Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Liquified Petroleum Gas Carriers (Cont.)							
TRANSITS	U.S. EAST COAST	S. AMERICA W.C.	1	0	0	0	1
CARGO TONS	U.S. EAST COAST	S. AMERICA W.C.	2016	0	0	0	2016
TRANSITS	U.S. EAST COAST	U.S. W.C., HAWAII	0	0	0	0	0
CARGO TONS	U.S. EAST COAST	U.S. W.C., HAWAII	0	0	0	0	0
TRANSITS	TOTAL	TOTAL	37	45	8	0	91
CARGO TONS	TOTAL	TOTAL	107606	627673	235971	0	971250

2000 Status Quo Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Refrigerated Cargo Ships							
TRANSITS	AFRICA	ASIA	0	0	0	0	0
CARGO TONS	AFRICA	ASIA	0	0	0	0	0
TRANSITS	AFRICA	C. AMERICA W.C.	0	0	0	0	0
CARGO TONS	AFRICA	C. AMERICA W.C.	104	70	0	0	174
TRANSITS	AFRICA	S. AMERICA W.C.	23	26	0	0	49
CARGO TONS	AFRICA	S. AMERICA W.C.	20950	449	0	0	21399
TRANSITS	CANADA EAST COAST	ASIA	10	4	0	0	15
CARGO TONS	CANADA EAST COAST	ASIA	55132	36754	0	0	91886
TRANSITS	CANADA EAST COAST	C. AMERICA W.C.	0	11	0	0	11
CARGO TONS	CANADA EAST COAST	C. AMERICA W.C.	0	30818	0	0	30818
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	ASIA	5	8	0	0	13
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	ASIA	23008	14175	0	0	37183
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	0	43	0	0	43
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	0	11449	0	0	11449
TRANSITS	CENTRAL AMERICA E.C., W. INDIES	S. AMERICA W.C.	0	93	0	0	93
CARGO TONS	CENTRAL AMERICA E.C., W. INDIES	S. AMERICA W.C.	0	81918	0	0	81918
TRANSITS	EUROPE	ASIA	28	14	0	0	41
CARGO TONS	EUROPE	ASIA	152985	125296	0	0	278281
TRANSITS	EUROPE	C. AMERICA W.C.	0	308	0	0	308
CARGO TONS	EUROPE	C. AMERICA W.C.	0	25765	0	0	25765
TRANSITS	EUROPE	CANADA WEST COAST	1	0	0	0	1
CARGO TONS	EUROPE	CANADA WEST COAST	655	437	0	0	1092
TRANSITS	EUROPE	S. AMERICA W.C.	43	252	0	0	295
CARGO TONS	EUROPE	S. AMERICA W.C.	43102	235359	0	0	278461
TRANSITS	EUROPE	U.S. W.C., HAWAII	13	5	0	0	18
CARGO TONS	EUROPE	U.S. W.C., HAWAII	9366	6244	0	0	15610

2060 Status Quo Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Refrigerated Cargo Ships (Cont.)							
TRANSITS	MIDDLE EAST	S. AMERICA W.C.	2	1	0	0	3
CARGO TONS	MIDDLE EAST	S. AMERICA W.C.	3572	2381	0	0	5953
TRANSITS	S. AMERICA E.C.	ASIA	8	3	0	0	12
CARGO TONS	S. AMERICA E.C.	ASIA	37281	24854	0	0	62135
TRANSITS	S. AMERICA E.C.	S. AMERICA W.C.	0	0	0	0	0
CARGO TONS	S. AMERICA E.C.	S. AMERICA W.C.	0	0	0	0	0
TRANSITS	U.S. EAST COAST	ASIA	5	40	0	0	46
CARGO TONS	U.S. EAST COAST	ASIA	20101	169210	0	0	189311
TRANSITS	U.S. EAST COAST	C. AMERICA W.C.	0	70	0	0	70
CARGO TONS	U.S. EAST COAST	C. AMERICA W.C.	0	195670	0	0	195670
TRANSITS	U.S. EAST COAST	S. AMERICA W.C.	25	397	0	0	423
CARGO TONS	U.S. EAST COAST	S. AMERICA W.C.	20376	871581	0	0	891957
TRANSITS	TOTAL	TOTAL	163	1275	0	0	1438
CARGO TONS	TOTAL	TOTAL	386632	1832430	0	0	2219062

2060 Status Quo Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Roll-On Roll-Off Ships							
TRANSITS	AFRICA	ASIA	0	0	0	0	0
CARGO TONS	AFRICA	ASIA	0	0	0	0	0
TRANSITS	AFRICA	OCEANIA	0	0	0	0	0
CARGO TONS	AFRICA	OCEANIA	0	0	0	0	0
TRANSITS	CANADA EAST COAST	ASIA	10	7	0	0	17
CARGO TONS	CANADA EAST COAST	ASIA	59277	25449	0	0	84726
TRANSITS	CANADA EAST COAST	OCEANIA	0	0	0	0	0
CARGO TONS	CANADA EAST COAST	OCEANIA	0	0	0	0	0
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	1	0	0	0	1
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	661	1292	0	0	1953
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	OCEANIA	0	7	0	0	7
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	OCEANIA	0	19860	0	0	19860
TRANSITS	CENTRAL AMERICA E.C., W. INDIES	AMERICA W.C.	83	1	0	0	85
CARGO TONS	CENTRAL AMERICA E.C., W. INDIES	AMERICA W.C.	144249	4461	0	0	148710
TRANSITS	EUROPE	ASIA	0	3	0	0	3
CARGO TONS	EUROPE	ASIA	0	32136	2798	0	34934
TRANSITS	EUROPE	C. AMERICA W.C.	0	35	0	0	35
CARGO TONS	EUROPE	C. AMERICA W.C.	0	221443	0	0	221443
TRANSITS	EUROPE	OCEANIA	0	0	0	0	0
CARGO TONS	EUROPE	OCEANIA	0	0	0	0	0
TRANSITS	EUROPE	S. AMERICA W.C.	0	0	0	0	0
CARGO TONS	EUROPE	S. AMERICA W.C.	0	470	0	0	470
TRANSITS	EUROPE	U.S. W.C., HAWAII	0	1	0	0	1
CARGO TONS	EUROPE	U.S. W.C., HAWAII	0	3016	0	0	3016
TRANSITS	MIDDLE EAST	OCEANIA	0	0	0	0	0
CARGO TONS	MIDDLE EAST	OCEANIA	0	0	0	0	0

2080 Status Quo Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Roll-On Roll-Off Ships (Cont.)							
TRANSITS	U.S. EAST COAST	ASIA	1	12	1	0	14
CARGO TONS	U.S. EAST COAST	ASIA	9510	72198	11080	0	92788
TRANSITS	U.S. EAST COAST	C. AMERICA W.C.	0	4	0	0	4
CARGO TONS	U.S. EAST COAST	C. AMERICA W.C.	0	6836	0	0	6836
TRANSITS	U.S. EAST COAST	OCEANIA	0	0	0	0	0
CARGO TONS	U.S. EAST COAST	OCEANIA	0	0	0	0	0
TRANSITS	U.S. EAST COAST	S. AMERICA W.C.	56	1	0	0	57
CARGO TONS	U.S. EAST COAST	S. AMERICA W.C.	97863	3027	0	0	100890
TRANSITS	TOTAL	TOTAL	152	70	1	0	223
CARGO TONS	TOTAL	TOTAL	311560	390188	13878	0	715626

2060 Status Quo Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Oil Tankers							
TRANSITS	AFRICA	U.S. W.C., HAWAII	0	0	0	0	0
CARGO TONS	AFRICA	U.S. W.C., HAWAII	0	0	0	0	0
TRANSITS	CANADA EAST COAST	ASIA	0	0	0	0	0
CARGO TONS	CANADA EAST COAST	ASIA	0	0	0	0	0
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	ASIA	0	0	0	0	0
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	ASIA	0	0	0	0	0
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	23	6	17	0	46
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	69306	104521	576104	0	749931
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	S. AMERICA W.C.	0	0	0	0	0
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	S. AMERICA W.C.	0	0	0	0	0
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	0	1	3	0	5
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	673	39659	165415	22080	227827
TRANSITS	EUROPE	C. AMERICA W.C.	14	3	0	0	17
CARGO TONS	EUROPE	C. AMERICA W.C.	31485	47814	1649	0	80947
TRANSITS	EUROPE	OCEANIA	0	0	0	0	0
CARGO TONS	EUROPE	OCEANIA	0	0	0	0	0
TRANSITS	EUROPE	S. AMERICA W.C.	0	0	0	0	0
CARGO TONS	EUROPE	S. AMERICA W.C.	0	0	0	0	0
TRANSITS	EUROPE	U.S. W.C., HAWAII	0	3	1	0	4
CARGO TONS	EUROPE	U.S. W.C., HAWAII	0	81605	27621	0	109226
TRANSITS	MIDDLE EAST	U.S. W.C., HAWAII	0	0	0	0	0
CARGO TONS	MIDDLE EAST	U.S. W.C., HAWAII	0	0	0	0	0
TRANSITS	S. AMERICA E.C.	ASIA	0	0	0	0	0
CARGO TONS	S. AMERICA E.C.	ASIA	0	0	0	0	0
TRANSITS	S. AMERICA E.C.	C. AMERICA W.C.	0	0	0	0	0
CARGO TONS	S. AMERICA E.C.	C. AMERICA W.C.	0	0	0	0	0

2060 Status Quo Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Oil Tankers (Cont.)							
TRANSITS	S. AMERICA E.C.	S. AMERICA W.C.	0	0	0	0	0
CARGO TONS	S. AMERICA E.C.	S. AMERICA W.C.	0	0	0	0	0
TRANSITS	S. AMERICA E.C.	U.S. W.C., HAWAII	0	0	0	0	0
CARGO TONS	S. AMERICA E.C.	U.S. W.C., HAWAII	0	0	0	0	0
TRANSITS	U.S. EAST COAST	ASIA	15	42	24	11	92
CARGO TONS	U.S. EAST COAST	ASIA	47896	1239457	1077131	581995	2946479
TRANSITS	U.S. EAST COAST	C. AMERICA W.C.	3	9	2	0	14
CARGO TONS	U.S. EAST COAST	C. AMERICA W.C.	11153	199754	49441	0	260348
TRANSITS	U.S. EAST COAST	CANADA WEST COAST	0	2	0	0	2
CARGO TONS	U.S. EAST COAST	CANADA WEST COAST	0	7191	147	0	7338
TRANSITS	U.S. EAST COAST	OCEANIA	0	3	1	0	4
CARGO TONS	U.S. EAST COAST	OCEANIA	0	92805	36204	0	129009
TRANSITS	U.S. EAST COAST	S. AMERICA W.C.	0	0	0	0	0
CARGO TONS	U.S. EAST COAST	S. AMERICA W.C.	0	0	0	0	0
TRANSITS	U.S. EAST COAST	U.S. W.C., HAWAII	0	17	3	1	21
CARGO TONS	U.S. EAST COAST	U.S. W.C., HAWAII	0	426122	147572	27645	601339
TRANSITS	TOTAL	TOTAL	56	85	51	12	205
CARGO TONS	TOTAL	TOTAL	160512	2238929	2081283	631720	5112444

2060 Status Quo Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Vehicle Carriers							
TRANSITS	CANADA EAST COAST	ASIA	0	1	0	0	1
CARGO TONS	CANADA EAST COAST	ASIA	0	2614	0	0	2614
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	0	8	0	0	8
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	0	3158	0	0	3158
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	OCEANIA	0	1	0	0	1
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	OCEANIA	0	187	0	0	187
TRANSITS	EUROPE	ASIA	0	6	0	0	6
CARGO TONS	EUROPE	ASIA	0	19066	0	0	19066
TRANSITS	EUROPE	CANADA WEST COAST	0	7	0	0	7
CARGO TONS	EUROPE	CANADA WEST COAST	0	16007	0	0	16007
TRANSITS	EUROPE	OCEANIA	0	0	0	0	0
CARGO TONS	EUROPE	OCEANIA	0	0	0	0	0
TRANSITS	EUROPE	U.S. W.C., HAWAII	5	151	0	0	156
CARGO TONS	EUROPE	U.S. W.C., HAWAII	5752	293421	0	0	299173
TRANSITS	U.S. EAST COAST	ASIA	0	42	0	0	42
CARGO TONS	U.S. EAST COAST	ASIA	0	192484	0	0	192484
TRANSITS	U.S. EAST COAST	OCEANIA	0	13	0	0	13
CARGO TONS	U.S. EAST COAST	OCEANIA	0	29712	0	0	29712
TRANSITS	TOTAL	TOTAL	5	228	0	0	233
CARGO TONS	TOTAL	TOTAL	5752	556649	0	0	562401

150,000 DWT 2020

Transits for the Following Ship Types are Unchanged from the Status Quo 220 Case.

Container - Breakbulk Ships
Chemical Tankers
Conventional General Cargo Ships
Liquified Petroleum Gas Carriers
Refrigerated Cargo Ships
Roll-On Roll-Off Ships
Vehicle Carriers

2020 150,000 DWT Vessel Transits

Laden Northbound

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 149,999	TOTAL
Combined and Dry Bulk Carriers								
TRANSITS	ASIA	AFRICA	0	1	0	0	0	1
CARGO TONS	ASIA	AFRICA	0	235	26	0	0	261
TRANSITS	ASIA	CANADA EAST COAST	0	3	4	1	0	8
CARGO TONS	ASIA	CANADA EAST COAST	0	69567	172689	60020	0	302276
TRANSITS	ASIA	CENTRAL AMERICA E.C., W. INDIE	0	18	0	2	0	21
CARGO TONS	ASIA	CENTRAL AMERICA E.C., W. INDIE	0	323527	3053	17988	0	344568
TRANSITS	ASIA	EUROPE	0	0	3	0	0	3
CARGO TONS	ASIA	EUROPE	0	0	113871	8293	0	122164
TRANSITS	ASIA	S. AMERICA E.C.	0	5	0	0	0	6
CARGO TONS	ASIA	S. AMERICA E.C.	0	129122	15191	7595	0	151908
TRANSITS	ASIA	U.S. EAST COAST	0	161	46	35	0	242
CARGO TONS	ASIA	U.S. EAST COAST	0	3211809	1508194	1624779	0	6344782
TRANSITS	C. AMERICA W.C.	AFRICA	0	1	0	0	0	1
CARGO TONS	C. AMERICA W.C.	AFRICA	0	28417	1971	3881	0	34269
TRANSITS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	0	30	1	3	0	34
CARGO TONS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	0	710341	37588	213470	0	961399
TRANSITS	C. AMERICA W.C.	EUROPE	0	12	2	2	0	16
CARGO TONS	C. AMERICA W.C.	EUROPE	0	299700	81088	81377	0	462165
TRANSITS	C. AMERICA W.C.	S. AMERICA E.C.	0	9	1	0	0	10
CARGO TONS	C. AMERICA W.C.	S. AMERICA E.C.	0	115874	13634	6817	0	136326
TRANSITS	C. AMERICA W.C.	U.S. EAST COAST	0	30	5	4	0	38
CARGO TONS	C. AMERICA W.C.	U.S. EAST COAST	0	879289	185615	226613	0	1291518
TRANSITS	CANADA WEST COAST	AFRICA	0	60	26	10	0	96
CARGO TONS	CANADA WEST COAST	AFRICA	0	1594949	1192725	712429	0	3500103
TRANSITS	CANADA WEST COAST	CENTRAL AMERICA E.C., W. INDIE	0	4	0	0	0	4
CARGO TONS	CANADA WEST COAST	CENTRAL AMERICA E.C., W. INDIE	0	89653	10547	5274	0	105474

2020 150,000 DWT Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 149,999	TOTAL
Combined and Dry Bulk Carriers (Cont.)								
TRANSITS	CANADA WEST COAST	EUROPE	0	95	94	28	24	241
CARGO TONS	CANADA WEST COAST	EUROPE	0	2512535	4196443	1871424	2593853	11174255
TRANSITS	CANADA WEST COAST	MIDDLE EAST	0	8	10	2	0	21
CARGO TONS	CANADA WEST COAST	MIDDLE EAST	0	254437	512709	188872	0	956018
TRANSITS	CANADA WEST COAST	S. AMERICA E.C.	0	9	3	3	8	24
CARGO TONS	CANADA WEST COAST	S. AMERICA E.C.	0	228500	145062	195143	804868	1373574
TRANSITS	CANADA WEST COAST	U.S. EAST COAST	0	59	4	1	0	64
CARGO TONS	CANADA WEST COAST	U.S. EAST COAST	0	1333984	156939	78470	0	1569393
TRANSITS	OCEANIA	AFRICA	0	1	0	0	0	1
CARGO TONS	OCEANIA	AFRICA	0	4550	506	0	0	5055
TRANSITS	OCEANIA	CANADA EAST COAST	0	20	1	0	0	22
CARGO TONS	OCEANIA	CANADA EAST COAST	0	561530	66062	33031	0	660623
TRANSITS	OCEANIA	CENTRAL AMERICA E.C., W. INDIE	0	6	0	0	0	6
CARGO TONS	OCEANIA	CENTRAL AMERICA E.C., W. INDIE	0	140924	16579	8290	0	165793
TRANSITS	OCEANIA	EUROPE	0	9	1	0	0	10
CARGO TONS	OCEANIA	EUROPE	0	222027	26121	13060	0	261208
TRANSITS	OCEANIA	S. AMERICA E.C.	0	0	4	9	0	12
CARGO TONS	OCEANIA	S. AMERICA E.C.	0	0	125055	538328	0	663383
TRANSITS	OCEANIA	U.S. EAST COAST	0	14	47	58	0	119
CARGO TONS	OCEANIA	U.S. EAST COAST	0	372852	2123622	3909994	0	6406467
TRANSITS	S. AMERICA W.C.	AFRICA	0	1	2	0	0	3
CARGO TONS	S. AMERICA W.C.	AFRICA	0	30068	94650	32588	0	157306
TRANSITS	S. AMERICA W.C.	CANADA EAST COAST	0	0	0	0	0	0
CARGO TONS	S. AMERICA W.C.	CANADA EAST COAST	0	8768	1032	516	0	10315
TRANSITS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	0	7	0	0	0	7
CARGO TONS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	0	122445	14405	7203	0	144053

2020 150,000 DWT Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 149,999	TOTAL
Combined and Dry Bulk Carriers (Cont.)								
TRANSITS	S. AMERICA W.C.	EUROPE	0	133	28	4	9	175
CARGO TONS	S. AMERICA W.C.	EUROPE	0	3622273	1244329	308723	1045505	6220830
TRANSITS	S. AMERICA W.C.	MIDDLE EAST	0	0	0	0	0	0
CARGO TONS	S. AMERICA W.C.	MIDDLE EAST	0	4385	487	0	0	4872
TRANSITS	S. AMERICA W.C.	S. AMERICA E.C.	0	7	0	0	0	7
CARGO TONS	S. AMERICA W.C.	S. AMERICA E.C.	0	169410	19931	9965	0	199306
TRANSITS	S. AMERICA W.C.	U.S. EAST COAST	0	46	7	1	0	54
CARGO TONS	S. AMERICA W.C.	U.S. EAST COAST	0	1317329	325163	89233	0	1731725
TRANSITS	U.S. W.C., HAWAII	AFRICA	0	50	54	17	0	121
CARGO TONS	U.S. W.C., HAWAII	AFRICA	0	1257953	2245995	1094656	0	4598603
TRANSITS	U.S. W.C., HAWAII	CANADA EAST COAST	0	6	0	1	0	7
CARGO TONS	U.S. W.C., HAWAII	CANADA EAST COAST	0	156737	14971	45537	0	217245
TRANSITS	U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIE	0	2	0	0	0	2
CARGO TONS	U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIE	0	40439	4758	2379	0	47575
TRANSITS	U.S. W.C., HAWAII	EUROPE	0	34	69	37	0	140
CARGO TONS	U.S. W.C., HAWAII	EUROPE	0	917174	3176139	2430991	0	6524304
TRANSITS	U.S. W.C., HAWAII	S. AMERICA E.C.	0	10	1	0	0	11
CARGO TONS	U.S. W.C., HAWAII	S. AMERICA E.C.	0	236879	27868	13934	0	278681
TRANSITS	U.S. W.C., HAWAII	U.S. EAST COAST	0	5	1	1	0	7
CARGO TONS	U.S. W.C., HAWAII	U.S. EAST COAST	0	163829	10388	8905	0	183121
TRANSITS	TOTAL	TOTAL	0	857	415	222	41	1536
CARGO TONS	TOTAL	TOTAL	0	21131511	17885406	13849775	4444226	57310918

2020 150,000 DWT Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 149,999	TOTAL
Full Container Ships								
TRANSITS	ASIA	AFRICA	0	0	0	0	0	0
CARGO TONS	ASIA	AFRICA	0	0	238	0	0	238
TRANSITS	ASIA	ASIA	0	0	0	0	0	0
CARGO TONS	ASIA	ASIA	0	1254	26	0	0	1280
TRANSITS	ASIA	CANADA EAST COAST	0	13	22	0	0	35
CARGO TONS	ASIA	CANADA EAST COAST	0	172659	509341	0	0	682000
TRANSITS	ASIA	CENTRAL AMERICA E.C., W. INDIE	0	93	5	0	0	98
CARGO TONS	ASIA	CENTRAL AMERICA E.C., W. INDIE	0	1078316	105460	0	0	1183776
TRANSITS	ASIA	EUROPE	0	4	14	0	0	18
CARGO TONS	ASIA	EUROPE	0	55496	263204	0	0	318700
TRANSITS	ASIA	MIDDLE EAST	0	0	0	0	0	1
CARGO TONS	ASIA	MIDDLE EAST	0	6031	5728	0	0	11759
TRANSITS	ASIA	S. AMERICA E.C.	0	2	0	0	0	2
CARGO TONS	ASIA	S. AMERICA E.C.	0	6502	133	0	0	6635
TRANSITS	ASIA	U.S. EAST COAST	0	46	316	152	0	514
CARGO TONS	ASIA	U.S. EAST COAST	0	609236	5580929	5022836	0	11213000
TRANSITS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	0	1	0	0	0	1
CARGO TONS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	0	4721	182	0	0	4903
TRANSITS	C. AMERICA W.C.	EUROPE	0	2	0	0	0	2
CARGO TONS	C. AMERICA W.C.	EUROPE	0	21240	433	0	0	21673
TRANSITS	C. AMERICA W.C.	MIDDLE EAST	0	0	0	0	0	0
CARGO TONS	C. AMERICA W.C.	MIDDLE EAST	0	10	0	0	0	10
TRANSITS	C. AMERICA W.C.	S. AMERICA E.C.	0	0	0	0	0	0
CARGO TONS	C. AMERICA W.C.	S. AMERICA E.C.	0	3435	147	0	0	3582
TRANSITS	C. AMERICA W.C.	U.S. EAST COAST	0	0	0	0	0	0
CARGO TONS	C. AMERICA W.C.	U.S. EAST COAST	0	3330	68	0	0	3398

2020 150,000 DWT Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 149,999	TOTAL
Full Container Ships (Cont.)								
TRANSITS	CANADA WEST COAST	EUROPE	0	30	3	0	0	32
CARGO TONS	CANADA WEST COAST	EUROPE	0	413067	77933	0	0	491000
TRANSITS	OCEANIA	CANADA EAST COAST	0	6	0	0	0	6
CARGO TONS	OCEANIA	CANADA EAST COAST	0	89892	3689	0	0	93581
TRANSITS	OCEANIA	CENTRAL AMERICA E.C., W. INDIE	0	2	0	0	0	2
CARGO TONS	OCEANIA	CENTRAL AMERICA E.C., W. INDIE	0	23411	478	0	0	23889
TRANSITS	OCEANIA	S. AMERICA E.C.	0	0	0	0	0	0
CARGO TONS	OCEANIA	S. AMERICA E.C.	0	912	19	0	0	931
TRANSITS	OCEANIA	U.S. EAST COAST	0	44	1	0	0	45
CARGO TONS	OCEANIA	U.S. EAST COAST	0	688065	28107	0	0	716172
TRANSITS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	0	0	0	0	0	0
CARGO TONS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	115	454	15	0	0	584
TRANSITS	S. AMERICA W.C.	EUROPE	0	102	2	0	0	103
CARGO TONS	S. AMERICA W.C.	EUROPE	0	1922809	43258	0	0	1966067
TRANSITS	S. AMERICA W.C.	S. AMERICA E.C.	0	0	0	0	0	0
CARGO TONS	S. AMERICA W.C.	S. AMERICA E.C.	0	43	1	0	0	44
TRANSITS	S. AMERICA W.C.	U.S. EAST COAST	0	46	0	0	0	46
CARGO TONS	S. AMERICA W.C.	U.S. EAST COAST	0	473225	9658	0	0	482883
TRANSITS	U.S. W.C., HAWAII	AFRICA	0	0	0	0	0	0
CARGO TONS	U.S. W.C., HAWAII	AFRICA	0	0	12	0	0	12
TRANSITS	U.S. W.C., HAWAII	CANADA EAST COAST	0	0	0	0	0	0
CARGO TONS	U.S. W.C., HAWAII	CANADA EAST COAST	0	3092	2201	0	0	5293
TRANSITS	U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIE	5	3	0	0	0	7
CARGO TONS	U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIE	1417	37849	2979	0	0	42245
TRANSITS	U.S. W.C., HAWAII	EUROPE	0	120	48	25	0	194
CARGO TONS	U.S. W.C., HAWAII	EUROPE	0	1658404	884798	884798	0	3428000

2020 150,000 DWT Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 149,999	TOTAL
Full Container Ships (Cont.)								
TRANSITS	U.S. W.C., HAWAII	MIDDLE EAST	0	7	0	0	0	8
CARGO TONS	U.S. W.C., HAWAII	MIDDLE EAST	0	95142	8067	0	0	103209
TRANSITS	U.S. W.C., HAWAII	U.S. EAST COAST	0	6	7	0	0	13
CARGO TONS	U.S. W.C., HAWAII	U.S. EAST COAST	0	57611	110236	0	0	167847
TRANSITS	TOTAL	TOTAL	5	526	418	177	0	1127
CARGO TONS	TOTAL	TOTAL	1532	7426206	7637339	5907634	0	20972711

2020 150,000 DWT Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 149,999	TOTAL
Oil Tankers								
TRANSITS	ASIA	AFRICA	0	0	0	0	0	0
CARGO TONS	ASIA	AFRICA	41	0	0	0	0	41
TRANSITS	ASIA	EUROPE	0	1	0	0	0	1
CARGO TONS	ASIA	EUROPE	0	28696	586	0	0	29282
TRANSITS	ASIA	U.S. EAST COAST	0	1	0	0	0	1
CARGO TONS	ASIA	U.S. EAST COAST	0	29221	596	0	0	29817
TRANSITS	C. AMERICA W.C.	AFRICA	0	0	0	0	0	0
CARGO TONS	C. AMERICA W.C.	AFRICA	37	0	0	0	0	37
TRANSITS	C. AMERICA W.C.	CANADA EAST COAST	0	0	0	0	0	0
CARGO TONS	C. AMERICA W.C.	CANADA EAST COAST	0	3640	74	0	0	3714
TRANSITS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	7	7	0	0	0	14
CARGO TONS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	24541	59144	1355	0	0	85040
TRANSITS	C. AMERICA W.C.	EUROPE	0	3	0	0	0	3
CARGO TONS	C. AMERICA W.C.	EUROPE	0	68520	1398	0	0	69918
TRANSITS	C. AMERICA W.C.	S. AMERICA E.C.	2	0	0	0	0	2
CARGO TONS	C. AMERICA W.C.	S. AMERICA E.C.	7931	0	0	0	0	7931
TRANSITS	C. AMERICA W.C.	U.S. EAST COAST	4	3	0	0	0	7
CARGO TONS	C. AMERICA W.C.	U.S. EAST COAST	12993	39434	920	0	0	53347
TRANSITS	CANADA WEST COAST	U.S. EAST COAST	0	1	4	1	0	5
CARGO TONS	CANADA WEST COAST	U.S. EAST COAST	0	19655	193278	39608	0	252541
TRANSITS	OCEANIA	EUROPE	0	1	0	0	0	1
CARGO TONS	OCEANIA	EUROPE	0	37611	768	0	0	38379
TRANSITS	OCEANIA	U.S. EAST COAST	4	3	2	0	0	9
CARGO TONS	OCEANIA	U.S. EAST COAST	14663	66354	72118	0	0	153135
TRANSITS	S. AMERICA W.C.	CANADA EAST COAST	1	1	0	0	0	2
CARGO TONS	S. AMERICA W.C.	CANADA EAST COAST	3944	31406	706	0	0	36057

2020 150,000 DWT Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 149,999	TOTAL
Oil Tankers (Cont.)								
TRANSITS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	3	15	17	7	0	42
CARGO TONS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	6046	338322	803024	489101	0	1636493
TRANSITS	S. AMERICA W.C.	EUROPE	9	3	0	0	0	12
CARGO TONS	S. AMERICA W.C.	EUROPE	22275	81500	2391	0	0	106166
TRANSITS	S. AMERICA W.C.	S. AMERICA E.C.	7	1	0	0	0	8
CARGO TONS	S. AMERICA W.C.	S. AMERICA E.C.	18771	7636	363	0	0	26770
TRANSITS	S. AMERICA W.C.	U.S. EAST COAST	0	24	24	0	0	47
CARGO TONS	S. AMERICA W.C.	U.S. EAST COAST	0	614606	1127112	16133	0	1757852
TRANSITS	U.S. W.C., HAWAII	AFRICA	3	0	0	4	0	7
CARGO TONS	U.S. W.C., HAWAII	AFRICA	691	0	0	223444	0	224135
TRANSITS	U.S. W.C., HAWAII	CANADA EAST COAST	0	1	0	0	0	1
CARGO TONS	U.S. W.C., HAWAII	CANADA EAST COAST	0	20444	417	0	0	20861
TRANSITS	U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIE	0	4	2	2	0	8
CARGO TONS	U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIE	0	78612	99007	122944	0	300563
TRANSITS	U.S. W.C., HAWAII	S. AMERICA E.C.	0	1	1	0	0	2
CARGO TONS	U.S. W.C., HAWAII	S. AMERICA E.C.	217	34665	51623	0	0	86505
TRANSITS	U.S. W.C., HAWAII	U.S. EAST COAST	0	6	1	1	0	8
CARGO TONS	U.S. W.C., HAWAII	U.S. EAST COAST	0	133609	32181	60559	0	226349
TRANSITS	TOTAL	TOTAL	41	76	50	15	0	181
CARGO TONS	TOTAL	TOTAL	112151	1693075	2387918	951789	0	5144933

2020 150,000 DWT Vessel Transits

Laden Southbound

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 149,999	TOTAL
Combined and Dry Bulk Carriers								
TRANSITS	AFRICA	C. AMERICA W.C.	0	13	1	0	0	15
CARGO TONS	AFRICA	C. AMERICA W.C.	0	410930	48345	24172	0	483447
TRANSITS	AFRICA	CANADA WEST COAST	0	23	7	3	0	34
CARGO TONS	AFRICA	CANADA WEST COAST	0	734860	348663	270673	0	1354196
TRANSITS	AFRICA	OCEANIA	0	5	2	0	0	7
CARGO TONS	AFRICA	OCEANIA	0	141414	100224	12686	0	254324
TRANSITS	AFRICA	S. AMERICA W.C.	0	4	0	0	0	5
CARGO TONS	AFRICA	S. AMERICA W.C.	0	108887	12810	6405	0	128102
TRANSITS	AFRICA	U.S. W.C., HAWAII	0	4	3	0	0	7
CARGO TONS	AFRICA	U.S. W.C., HAWAII	0	53915	98283	8997	0	161194
TRANSITS	CANADA EAST COAST	ASIA	0	47	25	2	13	87
CARGO TONS	CANADA EAST COAST	ASIA	0	1306139	1078702	112914	1256302	3754057
TRANSITS	CANADA EAST COAST	OCEANIA	0	3	0	0	0	3
CARGO TONS	CANADA EAST COAST	OCEANIA	0	49256	2639	6094	0	57989
TRANSITS	CANADA EAST COAST	S. AMERICA W.C.	0	4	1	0	0	6
CARGO TONS	CANADA EAST COAST	S. AMERICA W.C.	0	109710	45181	7660	0	162552
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	ASIA	0	19	1	0	0	21
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	ASIA	0	543201	63906	31953	0	639060
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	0	23	2	1	0	25
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	0	579358	68160	34080	0	681598
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	CANADA WEST COAST	0	2	0	0	0	2
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	CANADA WEST COAST	0	49133	5459	0	0	54592
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	OCEANIA	0	0	0	0	0	1
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	OCEANIA	0	9859	1095	0	0	10954
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	S. AMERICA W.C.	0	11	1	0	0	12
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	S. AMERICA W.C.	0	265628	31250	15625	0	312504

2020 150,000 DWT Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 149,999	TOTAL
Combined and Dry Bulk Carriers (Cont.)								
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	0	8	1	0	0	9
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	0	200207	23554	11777	0	235538
TRANSITS	EUROPE	ASIA	0	5	3	0	0	8
CARGO TONS	EUROPE	ASIA	0	105734	132709	12617	0	251060
TRANSITS	EUROPE	C. AMERICA W.C.	0	28	1	1	0	30
CARGO TONS	EUROPE	C. AMERICA W.C.	0	677145	39832	79664	0	796641
TRANSITS	EUROPE	CANADA WEST COAST	0	8	2	1	0	11
CARGO TONS	EUROPE	CANADA WEST COAST	0	138624	80992	66450	0	286066
TRANSITS	EUROPE	OCEANIA	0	5	0	0	0	6
CARGO TONS	EUROPE	OCEANIA	0	124908	14695	7348	0	146951
TRANSITS	EUROPE	S. AMERICA W.C.	0	11	1	0	0	12
CARGO TONS	EUROPE	S. AMERICA W.C.	0	253170	29785	14892	0	297847
TRANSITS	EUROPE	U.S. W.C., HAWAII	0	82	23	12	0	116
CARGO TONS	EUROPE	U.S. W.C., HAWAII	0	1574327	852852	674705	0	3101883
TRANSITS	MIDDLE EAST	S. AMERICA W.C.	0	0	1	0	0	1
CARGO TONS	MIDDLE EAST	S. AMERICA W.C.	0	0	52140	0	0	52140
TRANSITS	S. AMERICA E.C.	ASIA	0	47	17	5	148	216
CARGO TONS	S. AMERICA E.C.	ASIA	0	1265349	759850	358737	16929093	19313030
TRANSITS	S. AMERICA E.C.	C. AMERICA W.C.	0	7	1	0	0	8
CARGO TONS	S. AMERICA E.C.	C. AMERICA W.C.	0	210072	24700	12350	0	247122
TRANSITS	S. AMERICA E.C.	CANADA WEST COAST	0	2	0	0	0	3
CARGO TONS	S. AMERICA E.C.	CANADA WEST COAST	0	56294	6623	3311	0	66228
TRANSITS	S. AMERICA E.C.	S. AMERICA W.C.	0	26	1	3	0	30
CARGO TONS	S. AMERICA E.C.	S. AMERICA W.C.	0	653004	42024	142965	0	837993
TRANSITS	S. AMERICA E.C.	U.S. W.C., HAWAII	0	12	4	11	0	28
CARGO TONS	S. AMERICA E.C.	U.S. W.C., HAWAII	0	308772	170574	649067	0	1128413

2020 150,000 DWT Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 149,999	TOTAL
Combined and Dry Bulk Carriers (Cont.)								
TRANSITS	U.S. EAST COAST	ASIA	0	206	759	119	517	1601
CARGO TONS	U.S. EAST COAST	ASIA	0	5824311	34793035	7856819	55855323	104329488
TRANSITS	U.S. EAST COAST	C. AMERICA W.C.	0	181	21	5	0	207
CARGO TONS	U.S. EAST COAST	C. AMERICA W.C.	0	5139092	820991	271851	0	6231934
TRANSITS	U.S. EAST COAST	CANADA WEST COAST	0	1	0	0	0	1
CARGO TONS	U.S. EAST COAST	CANADA WEST COAST	0	18611	5348	5963	0	29923
TRANSITS	U.S. EAST COAST	OCEANIA	0	17	3	1	0	21
CARGO TONS	U.S. EAST COAST	OCEANIA	0	471034	116170	58347	0	645551
TRANSITS	U.S. EAST COAST	S. AMERICA W.C.	0	44	5	1	0	51
CARGO TONS	U.S. EAST COAST	S. AMERICA W.C.	0	1169112	217071	69882	0	1456066
TRANSITS	U.S. EAST COAST	U.S. W.C., HAWAII	0	1	0	0	0	1
CARGO TONS	U.S. EAST COAST	U.S. W.C., HAWAII	0	315	37	19	0	371
TRANSITS	TOTAL	TOTAL	0	850	886	168	677	2581
CARGO TONS	TOTAL	TOTAL	0	22676736	40087700	10828023	74040718	147633177

2020 150,000 DWT Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 149,999	TOTAL
Full Container Ships								
TRANSITS	AFRICA	U.S. W.C., HAWAII	0	0	0	0	0	0
CARGO TONS	AFRICA	U.S. W.C., HAWAII	0	1826	37	0	0	1863
TRANSITS	CANADA EAST COAST	ASIA	0	26	7	0	0	32
CARGO TONS	CANADA EAST COAST	ASIA	0	399817	161183	0	0	561000
TRANSITS	CANADA EAST COAST	OCEANIA	0	12	0	0	0	12
CARGO TONS	CANADA EAST COAST	OCEANIA	0	139794	5649	0	0	145443
TRANSITS	CANADA EAST COAST	U.S. W.C., HAWAII	0	0	5	0	0	5
CARGO TONS	CANADA EAST COAST	U.S. W.C., HAWAII	0	0	136427	0	0	136427
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	ASIA	0	7	1	0	0	8
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	ASIA	0	84317	15053	0	0	99370
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	1	0	0	0	0	1
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	2261	916	89	0	0	3266
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	OCEANIA	0	0	0	0	0	0
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	OCEANIA	0	2587	53	0	0	2640
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	S. AMERICA W.C.	6	1	0	0	0	6
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	S. AMERICA W.C.	894	4291	442	0	0	5627
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	0	1	0	0	0	1
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	0	10787	760	0	0	11547
TRANSITS	EUROPE	ASIA	0	5	6	0	0	11
CARGO TONS	EUROPE	ASIA	0	69492	141522	0	0	211014
TRANSITS	EUROPE	C. AMERICA W.C.	0	0	0	0	0	0
CARGO TONS	EUROPE	C. AMERICA W.C.	0	631	13	0	0	644
TRANSITS	EUROPE	CANADA WEST COAST	0	23	1	0	0	24
CARGO TONS	EUROPE	CANADA WEST COAST	0	300635	10365	0	0	311000
TRANSITS	EUROPE	OCEANIA	0	8	0	0	0	8
CARGO TONS	EUROPE	OCEANIA	0	107394	4114	0	0	111508

2020 150,000 DWT Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 149,999	TOTAL
Full Container Ships (Cont.)								
TRANSITS	EUROPE	S. AMERICA W.C.	0	50	1	0	0	51
CARGO TONS	EUROPE	S. AMERICA W.C.	0	716022	14613	0	0	730635
TRANSITS	EUROPE	U.S. W.C., HAWAII	0	97	29	19	0	144
CARGO TONS	EUROPE	U.S. W.C., HAWAII	0	1232760	737382	884858	0	2855000
TRANSITS	MIDDLE EAST	ASIA	0	0	0	0	0	0
CARGO TONS	MIDDLE EAST	ASIA	0	3293	133	0	0	3426
TRANSITS	MIDDLE EAST	S. AMERICA W.C.	1	0	0	0	0	1
CARGO TONS	MIDDLE EAST	S. AMERICA W.C.	1255	0	13	0	0	1268
TRANSITS	MIDDLE EAST	U.S. W.C., HAWAII	0	7	0	0	0	8
CARGO TONS	MIDDLE EAST	U.S. W.C., HAWAII	0	107778	8502	0	0	116280
TRANSITS	S. AMERICA E.C.	ASIA	0	5	0	0	0	5
CARGO TONS	S. AMERICA E.C.	ASIA	0	57193	1167	0	0	58360
TRANSITS	S. AMERICA E.C.	C. AMERICA W.C.	0	0	0	0	0	0
CARGO TONS	S. AMERICA E.C.	C. AMERICA W.C.	0	4297	88	0	0	4385
TRANSITS	S. AMERICA E.C.	S. AMERICA W.C.	0	4	0	0	0	4
CARGO TONS	S. AMERICA E.C.	S. AMERICA W.C.	0	34104	696	0	0	34800
TRANSITS	S. AMERICA E.C.	U.S. W.C., HAWAII	0	1	0	0	0	1
CARGO TONS	S. AMERICA E.C.	U.S. W.C., HAWAII	0	9251	189	0	0	9440
TRANSITS	U.S. EAST COAST	ASIA	0	104	352	151	0	607
CARGO TONS	U.S. EAST COAST	ASIA	0	2110585	8742453	6993962	0	17847000
TRANSITS	U.S. EAST COAST	C. AMERICA W.C.	0	6	0	0	0	6
CARGO TONS	U.S. EAST COAST	C. AMERICA W.C.	0	54048	1103	0	0	55151
TRANSITS	U.S. EAST COAST	OCEANIA	0	119	3	0	0	122
CARGO TONS	U.S. EAST COAST	OCEANIA	0	1381267	53542	0	0	1434809
TRANSITS	U.S. EAST COAST	S. AMERICA W.C.	0	56	0	0	0	57
CARGO TONS	U.S. EAST COAST	S. AMERICA W.C.	0	476822	9731	0	0	486553

2020 150,000 DWT Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 149,999	TOTAL
Full Container Ships (Cont.)								
TRANSITS	U.S. EAST COAST	U.S. W.C., HAWAII	0	0	1	0	0	1
CARGO TONS	U.S. EAST COAST	U.S. W.C., HAWAII	0	1423	24184	0	0	25607
TRANSITS	TOTAL	TOTAL	7	533	406	169	0	1115
CARGO TONS	TOTAL	TOTAL	4411	7311330	10069501	7878821	0	25264063

2020 150,000 DWT Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 149,999	TOTAL
Oil Tankers								
TRANSITS	AFRICA	U.S. W.C., HAWAII	0	0	0	0	0	0
CARGO TONS	AFRICA	U.S. W.C., HAWAII	0	0	202	0	0	202
TRANSITS	CANADA EAST COAST	ASIA	0	6	4	0	0	10
CARGO TONS	CANADA EAST COAST	ASIA	0	165380	227307	0	0	392687
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	ASIA	1	3	1	1	0	6
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	ASIA	5029	87251	49280	38279	0	179840
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	40	15	33	6	0	93
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	121224	263574	1079544	297464	0	1761806
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	S. AMERICA W.C.	7	30	4	0	0	41
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	S. AMERICA W.C.	26014	641009	211485	0	0	878508
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	1	4	11	1	0	17
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	2108	109296	525048	75778	0	712230
TRANSITS	EUROPE	C. AMERICA W.C.	10	2	0	0	0	12
CARGO TONS	EUROPE	C. AMERICA W.C.	21081	32015	1104	0	0	54200
TRANSITS	EUROPE	OCEANIA	0	1	0	0	0	1
CARGO TONS	EUROPE	OCEANIA	0	23588	481	0	0	24069
TRANSITS	EUROPE	S. AMERICA W.C.	1	2	0	0	0	2
CARGO TONS	EUROPE	S. AMERICA W.C.	2226	48890	1047	0	0	52163
TRANSITS	EUROPE	U.S. W.C., HAWAII	0	5	1	0	0	6
CARGO TONS	EUROPE	U.S. W.C., HAWAII	0	146157	49470	0	0	195627
TRANSITS	MIDDLE EAST	U.S. W.C., HAWAII	0	0	0	0	0	0
CARGO TONS	MIDDLE EAST	U.S. W.C., HAWAII	0	112	2	0	0	114
TRANSITS	S. AMERICA E.C.	ASIA	0	5	0	0	98	104
CARGO TONS	S. AMERICA E.C.	ASIA	0	144387	2947	0	14000000	14147334
TRANSITS	S. AMERICA E.C.	C. AMERICA W.C.	4	5	22	54	0	85
CARGO TONS	S. AMERICA E.C.	C. AMERICA W.C.	9941	117894	879279	3335196	0	4342311

2020 150,000 DWT Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 149,999	TOTAL
Oil Tankers (Cont.)								
TRANSITS	S. AMERICA E.C.	S. AMERICA W.C.	6	5	22	5	0	38
CARGO TONS	S. AMERICA E.C.	S. AMERICA W.C.	16551	122775	1101266	400442	0	1641035
TRANSITS	S. AMERICA E.C.	U.S. W.C., HAWAII	0	29	9	11	0	49
CARGO TONS	S. AMERICA E.C.	U.S. W.C., HAWAII	0	797811	411650	757872	0	1967334
TRANSITS	U.S. EAST COAST	ASIA	13	36	22	9	0	80
CARGO TONS	U.S. EAST COAST	ASIA	43329	1061682	1000330	549446	0	2654786
TRANSITS	U.S. EAST COAST	C. AMERICA W.C.	8	20	5	0	0	33
CARGO TONS	U.S. EAST COAST	C. AMERICA W.C.	25560	471555	116544	0	0	613659
TRANSITS	U.S. EAST COAST	CANADA WEST COAST	0	1	0	0	0	1
CARGO TONS	U.S. EAST COAST	CANADA WEST COAST	0	4276	87	0	0	4363
TRANSITS	U.S. EAST COAST	OCEANIA	0	5	1	0	0	6
CARGO TONS	U.S. EAST COAST	OCEANIA	0	138406	53993	0	0	192399
TRANSITS	U.S. EAST COAST	S. AMERICA W.C.	3	4	1	0	0	8
CARGO TONS	U.S. EAST COAST	S. AMERICA W.C.	7421	99880	39578	0	0	146879
TRANSITS	U.S. EAST COAST	U.S. W.C., HAWAII	0	24	5	1	0	30
CARGO TONS	U.S. EAST COAST	U.S. W.C., HAWAII	0	621191	215127	40300	0	876618
TRANSITS	TOTAL	TOTAL	94	201	141	87	98	622
CARGO TONS	TOTAL	TOTAL	280485	5097128	5965772	5494779	14000000	30838164

150,000 DWT 2060

2080 150,000 DWT Vessel Transits

Laden Northbound

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Container-Breakbulk Ships							
TRANSITS	ASIA	AFRICA	0	0	0	0	0
CARGO TONS	ASIA	AFRICA	0	93	8	0	101
TRANSITS	ASIA	CANADA EAST COAST	0	1	0	0	1
CARGO TONS	ASIA	CANADA EAST COAST	0	3249	4839	0	8088
TRANSITS	ASIA	CENTRAL AMERICA E.C., W. INDIE	0	124	11	0	135
CARGO TONS	ASIA	CENTRAL AMERICA E.C., W. INDIE	0	1178745	67321	0	1246066
TRANSITS	ASIA	EUROPE	0	1	3	0	4
CARGO TONS	ASIA	EUROPE	0	7418	73454	0	80872
TRANSITS	ASIA	S. AMERICA E.C.	0	45	2	0	48
CARGO TONS	ASIA	S. AMERICA E.C.	0	278155	26532	0	304687
TRANSITS	ASIA	U.S. EAST COAST	0	121	18	0	139
CARGO TONS	ASIA	U.S. EAST COAST	0	1490393	268648	0	1759041
TRANSITS	C. AMERICA W.C.	AFRICA	0	5	0	0	6
CARGO TONS	C. AMERICA W.C.	AFRICA	0	103238	8976	0	112214
TRANSITS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	0	15	1	0	16
CARGO TONS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	0	216736	29821	0	246557
TRANSITS	C. AMERICA W.C.	EUROPE	0	36	5	0	41
CARGO TONS	C. AMERICA W.C.	EUROPE	0	199780	104699	0	304479
TRANSITS	C. AMERICA W.C.	S. AMERICA E.C.	0	22	1	0	23
CARGO TONS	C. AMERICA W.C.	S. AMERICA E.C.	0	9297	809	0	10106
TRANSITS	C. AMERICA W.C.	U.S. EAST COAST	0	6	0	0	7
CARGO TONS	C. AMERICA W.C.	U.S. EAST COAST	0	37089	3224	0	40313
TRANSITS	CANADA WEST COAST	AFRICA	0	28	1	0	29
CARGO TONS	CANADA WEST COAST	AFRICA	0	619667	42294	0	661961
TRANSITS	CANADA WEST COAST	EUROPE	0	47	60	0	107
CARGO TONS	CANADA WEST COAST	EUROPE	0	1044382	2071478	0	3115860

2060 150,000 DWT Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Container-Breakbulk Ships (Cont.)							
TRANSITS	CANADA WEST COAST	S. AMERICA E.C.	0	21	1	0	22
CARGO TONS	CANADA WEST COAST	S. AMERICA E.C.	0	387771	33719	0	421490
TRANSITS	CANADA WEST COAST	U.S. EAST COAST	0	15	0	0	15
CARGO TONS	CANADA WEST COAST	U.S. EAST COAST	0	303055	0	0	303055
TRANSITS	OCEANIA	AFRICA	0	2	0	0	2
CARGO TONS	OCEANIA	AFRICA	0	8600	748	0	9348
TRANSITS	OCEANIA	CANADA EAST COAST	0	0	4	0	4
CARGO TONS	OCEANIA	CANADA EAST COAST	0	0	87930	0	87930
TRANSITS	OCEANIA	CENTRAL AMERICA E.C., W. INDIE	0	9	0	0	10
CARGO TONS	OCEANIA	CENTRAL AMERICA E.C., W. INDIE	0	91020	7915	0	98935
TRANSITS	OCEANIA	EUROPE	0	7	30	0	37
CARGO TONS	OCEANIA	EUROPE	0	89893	609335	0	699228
TRANSITS	OCEANIA	MIDDLE EAST	0	0	0	0	0
CARGO TONS	OCEANIA	MIDDLE EAST	0	0	11003	0	11003
TRANSITS	OCEANIA	S. AMERICA E.C.	0	18	1	0	19
CARGO TONS	OCEANIA	S. AMERICA E.C.	0	220577	24991	0	245568
TRANSITS	OCEANIA	U.S. EAST COAST	0	2	33	0	35
CARGO TONS	OCEANIA	U.S. EAST COAST	0	51125	788739	0	839864
TRANSITS	S. AMERICA W.C.	AFRICA	0	3	0	0	3
CARGO TONS	S. AMERICA W.C.	AFRICA	0	47991	4175	0	52166
TRANSITS	S. AMERICA W.C.	CANADA EAST COAST	0	1	0	0	1
CARGO TONS	S. AMERICA W.C.	CANADA EAST COAST	0	2013	175	0	2188
TRANSITS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	0	24	1	0	26
CARGO TONS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	0	189706	16491	0	206197
TRANSITS	S. AMERICA W.C.	EUROPE	0	309	20	0	329
CARGO TONS	S. AMERICA W.C.	EUROPE	0	5035203	718274	0	5753477

2060 150,000 DWT Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Container-Breakbulk Ships (Cont.)							
TRANSITS	S. AMERICA W.C.	S. AMERICA E.C.	0	34	0	0	34
CARGO TONS	S. AMERICA W.C.	S. AMERICA E.C.	0	167297	0	0	167297
TRANSITS	S. AMERICA W.C.	U.S. EAST COAST	0	228	11	0	239
CARGO TONS	S. AMERICA W.C.	U.S. EAST COAST	0	1892226	447669	0	2339895
TRANSITS	U.S. W.C., HAWAII	AFRICA	0	2	20	0	22
CARGO TONS	U.S. W.C., HAWAII	AFRICA	0	39870	327245	0	367115
TRANSITS	U.S. W.C., HAWAII	CANADA EAST COAST	0	1	0	0	1
CARGO TONS	U.S. W.C., HAWAII	CANADA EAST COAST	0	33441	0	0	33441
TRANSITS	U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIE	0	18	1	0	19
CARGO TONS	U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIE	0	119281	15700	0	134981
TRANSITS	U.S. W.C., HAWAII	EUROPE	0	24	27	0	51
CARGO TONS	U.S. W.C., HAWAII	EUROPE	0	455679	887236	0	1342915
TRANSITS	U.S. W.C., HAWAII	MIDDLE EAST	0	0	0	0	0
CARGO TONS	U.S. W.C., HAWAII	MIDDLE EAST	0	2751	0	0	2751
TRANSITS	U.S. W.C., HAWAII	S. AMERICA E.C.	0	6	0	0	6
CARGO TONS	U.S. W.C., HAWAII	S. AMERICA E.C.	0	95846	8334	0	104180
TRANSITS	U.S. W.C., HAWAII	U.S. EAST COAST	0	0	0	0	0
CARGO TONS	U.S. W.C., HAWAII	U.S. EAST COAST	0	3592	2723	0	6315
TRANSITS	TOTAL	TOTAL	0	1175	254	0	1429
CARGO TONS	TOTAL	TOTAL	0	14425180	6694504	0	21119684

2060 150,000 DWT Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 149,999	TOTAL
Combined and Dry Bulk Carriers								
TRANSITS	ASIA	AFRICA	0	1	0	0	0	2
CARGO TONS	ASIA	AFRICA	0	384	51	77	0	512
TRANSITS	ASIA	CANADA EAST COAST	0	3	10	2	0	15
CARGO TONS	ASIA	CANADA EAST COAST	0	88984	460500	145326	0	694810
TRANSITS	ASIA	CENTRAL AMERICA E.C., W. INDIE	0	24	3	3	0	29
CARGO TONS	ASIA	CENTRAL AMERICA E.C., W. INDIE	0	476011	18864	31961	0	526836
TRANSITS	ASIA	EUROPE	0	0	3	0	0	4
CARGO TONS	ASIA	EUROPE	0	0	140942	30792	0	171734
TRANSITS	ASIA	S. AMERICA E.C.	0	5	0	1	0	5
CARGO TONS	ASIA	S. AMERICA E.C.	0	128793	6869	36062	0	171724
TRANSITS	ASIA	U.S. EAST COAST	0	216	109	61	0	386
CARGO TONS	ASIA	U.S. EAST COAST	0	4901951	4007076	3225112	0	12134139
TRANSITS	C. AMERICA W.C.	AFRICA	0	1	0	0	0	2
CARGO TONS	C. AMERICA W.C.	AFRICA	0	39508	6032	6612	0	52152
TRANSITS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	0	51	6	6	0	63
CARGO TONS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	0	1372287	297018	498130	0	2167435
TRANSITS	C. AMERICA W.C.	EUROPE	0	12	4	2	0	19
CARGO TONS	C. AMERICA W.C.	EUROPE	0	345103	162609	118040	0	625752
TRANSITS	C. AMERICA W.C.	S. AMERICA E.C.	0	14	0	2	0	16
CARGO TONS	C. AMERICA W.C.	S. AMERICA E.C.	0	200878	10713	56246	0	267837
TRANSITS	C. AMERICA W.C.	U.S. EAST COAST	0	33	9	5	0	47
CARGO TONS	C. AMERICA W.C.	U.S. EAST COAST	0	1084605	420903	348241	0	1853749
TRANSITS	CANADA WEST COAST	AFRICA	0	90	65	20	0	175
CARGO TONS	CANADA WEST COAST	AFRICA	0	2736275	3330597	1622490	0	7689362
TRANSITS	CANADA WEST COAST	CENTRAL AMERICA E.C., W. INDIE	0	8	0	1	0	9
CARGO TONS	CANADA WEST COAST	CENTRAL AMERICA E.C., W. INDIE	0	202371	10798	56689	0	269857

2060 150,000 DWT Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 149,999	TOTAL
Combined and Dry Bulk Carriers (Cont.)								
TRANSITS	CANADA WEST COAST	EUROPE	0	78	158	53	16	304
CARGO TONS	CANADA WEST COAST	EUROPE	0	2338155	7756997	4009537	1838862	15943551
TRANSITS	CANADA WEST COAST	MIDDLE EAST	0	13	33	7	0	53
CARGO TONS	CANADA WEST COAST	MIDDLE EAST	0	464940	1787501	593087	0	2845528
TRANSITS	CANADA WEST COAST	S. AMERICA E.C.	0	11	7	5	8	31
CARGO TONS	CANADA WEST COAST	S. AMERICA E.C.	0	292277	337989	340489	849041	1819796
TRANSITS	CANADA WEST COAST	U.S. EAST COAST	0	92	3	10	0	105
CARGO TONS	CANADA WEST COAST	U.S. EAST COAST	0	2387218	127318	668421	0	3182957
TRANSITS	OCEANIA	AFRICA	0	1	0	0	0	1
CARGO TONS	OCEANIA	AFRICA	0	7844	1046	1569	0	10458
TRANSITS	OCEANIA	CANADA EAST COAST	0	20	1	2	0	23
CARGO TONS	OCEANIA	CANADA EAST COAST	0	644234	34359	180386	0	858979
TRANSITS	OCEANIA	CENTRAL AMERICA E.C., W. INDIE	0	13	0	1	0	14
CARGO TONS	OCEANIA	CENTRAL AMERICA E.C., W. INDIE	0	351554	18750	98435	0	468739
TRANSITS	OCEANIA	EUROPE	0	11	0	1	0	13
CARGO TONS	OCEANIA	EUROPE	0	324729	17319	90924	0	432972
TRANSITS	OCEANIA	S. AMERICA E.C.	0	0	1	1	0	2
CARGO TONS	OCEANIA	S. AMERICA E.C.	0	0	23297	62943	0	86240
TRANSITS	OCEANIA	U.S. EAST COAST	0	0	19	17	0	36
CARGO TONS	OCEANIA	U.S. EAST COAST	0	0	936975	1280641	0	2217616
TRANSITS	S. AMERICA W.C.	AFRICA	0	1	3	1	0	5
CARGO TONS	S. AMERICA W.C.	AFRICA	0	30303	202662	63436	0	296401
TRANSITS	S. AMERICA W.C.	CANADA EAST COAST	0	1	0	0	0	1
CARGO TONS	S. AMERICA W.C.	CANADA EAST COAST	0	18245	973	5108	0	24326
TRANSITS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	0	10	0	1	0	12
CARGO TONS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	0	207873	11087	58204	0	277164

2060 150,000 DWT Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 149,999	TOTAL
Combined and Dry Bulk Carriers (Cont.)								
TRANSITS	S. AMERICA W.C.	EUROPE	0	180	33	24	0	238
CARGO TONS	S. AMERICA W.C.	EUROPE	0	5595389	1660630	1910789	0	9166808
TRANSITS	S. AMERICA W.C.	MIDDLE EAST	0	0	0	0	0	0
CARGO TONS	S. AMERICA W.C.	MIDDLE EAST	0	4019	536	804	0	5359
TRANSITS	S. AMERICA W.C.	S. AMERICA E.C.	0	9	0	1	0	11
CARGO TONS	S. AMERICA W.C.	S. AMERICA E.C.	0	271621	14486	76054	0	362161
TRANSITS	S. AMERICA W.C.	U.S. EAST COAST	0	72	12	6	0	91
CARGO TONS	S. AMERICA W.C.	U.S. EAST COAST	0	2362555	670530	552029	0	3585114
TRANSITS	U.S. W.C., HAWAII	AFRICA	0	55	113	31	0	198
CARGO TONS	U.S. W.C., HAWAII	AFRICA	0	1562414	5218561	2236855	0	9017830
TRANSITS	U.S. W.C., HAWAII	CANADA EAST COAST	0	4	1	1	0	5
CARGO TONS	U.S. W.C., HAWAII	CANADA EAST COAST	0	130693	34232	46155	0	211081
TRANSITS	U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIE	0	1	0	0	0	1
CARGO TONS	U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIE	0	22706	1211	6358	0	30275
TRANSITS	U.S. W.C., HAWAII	EUROPE	0	12	107	49	0	168
CARGO TONS	U.S. W.C., HAWAII	EUROPE	0	377075	5503520	3624091	0	9504686
TRANSITS	U.S. W.C., HAWAII	S. AMERICA E.C.	0	12	0	1	0	13
CARGO TONS	U.S. W.C., HAWAII	S. AMERICA E.C.	0	327313	17457	91648	0	436417
TRANSITS	U.S. W.C., HAWAII	U.S. EAST COAST	0	5	2	1	0	8
CARGO TONS	U.S. W.C., HAWAII	U.S. EAST COAST	0	182519	19473	12648	0	214640
TRANSITS	TOTAL	TOTAL	0	1059	706	316	24	2105
CARGO TONS	TOTAL	TOTAL	0	29480826	33269882	22186386	2687903	87624997

2060 150,000 DWT Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Chemical Tankers							
TRANSITS	ASIA	CENTRAL AMERICA E.C., W. INDIE	2	1	0	0	4
CARGO TONS	ASIA	CENTRAL AMERICA E.C., W. INDIE	13964	36334	0	0	50298
TRANSITS	ASIA	EUROPE	7	17	0	0	24
CARGO TONS	ASIA	EUROPE	49663	439398	0	0	489061
TRANSITS	ASIA	S. AMERICA E.C.	0	4	0	0	4
CARGO TONS	ASIA	S. AMERICA E.C.	0	23172	0	0	23172
TRANSITS	ASIA	U.S. EAST COAST	12	23	4	0	39
CARGO TONS	ASIA	U.S. EAST COAST	44137	607404	168246	0	819787
TRANSITS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	48	1	0	0	49
CARGO TONS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	290547	15292	0	0	305839
TRANSITS	C. AMERICA W.C.	EUROPE	5	4	0	0	9
CARGO TONS	C. AMERICA W.C.	EUROPE	32019	137188	0	0	169207
TRANSITS	C. AMERICA W.C.	S. AMERICA E.C.	7	0	0	0	7
CARGO TONS	C. AMERICA W.C.	S. AMERICA E.C.	33613	1769	0	0	35382
TRANSITS	C. AMERICA W.C.	U.S. EAST COAST	44	15	4	0	63
CARGO TONS	C. AMERICA W.C.	U.S. EAST COAST	274652	433432	177273	0	885357
TRANSITS	CANADA WEST COAST	EUROPE	0	4	0	0	4
CARGO TONS	CANADA WEST COAST	EUROPE	0	105766	0	0	105766
TRANSITS	CANADA WEST COAST	U.S. EAST COAST	0	33	6	0	39
CARGO TONS	CANADA WEST COAST	U.S. EAST COAST	0	833886	208472	0	1042358
TRANSITS	OCEANIA	CENTRAL AMERICA E.C., W. INDIE	0	0	0	0	0
CARGO TONS	OCEANIA	CENTRAL AMERICA E.C., W. INDIE	0	0	0	0	0
TRANSITS	OCEANIA	EUROPE	0	8	1	0	9
CARGO TONS	OCEANIA	EUROPE	0	225482	56370	0	281852
TRANSITS	OCEANIA	U.S. EAST COAST	0	10	7	0	17
CARGO TONS	OCEANIA	U.S. EAST COAST	0	235102	258493	0	493595

2060 150,000 DWT Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Chemical Tankers (Cont.)							
TRANSITS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	30	6	0	0	36
CARGO TONS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	89981	43632	0	0	133613
TRANSITS	S. AMERICA W.C.	EUROPE	9	3	0	0	12
CARGO TONS	S. AMERICA W.C.	EUROPE	62025	89227	0	0	151252
TRANSITS	S. AMERICA W.C.	S. AMERICA E.C.	0	8	0	0	8
CARGO TONS	S. AMERICA W.C.	S. AMERICA E.C.	5	99216	0	0	99221
TRANSITS	S. AMERICA W.C.	U.S. EAST COAST	9	3	1	0	12
CARGO TONS	S. AMERICA W.C.	U.S. EAST COAST	39909	42285	17638	0	99832
TRANSITS	U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIE	0	1	0	0	1
CARGO TONS	U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIE	0	12035	0	0	12035
TRANSITS	U.S. W.C., HAWAII	EUROPE	9	6	1	0	16
CARGO TONS	U.S. W.C., HAWAII	EUROPE	46198	166064	53807	0	266070
TRANSITS	U.S. W.C., HAWAII	MIDDLE EAST	0	0	0	0	0
CARGO TONS	U.S. W.C., HAWAII	MIDDLE EAST	0	14060	0	0	14060
TRANSITS	U.S. W.C., HAWAII	S. AMERICA E.C.	0	0	0	0	0
CARGO TONS	U.S. W.C., HAWAII	S. AMERICA E.C.	0	5615	0	0	5615
TRANSITS	U.S. W.C., HAWAII	U.S. EAST COAST	0	4	9	0	12
CARGO TONS	U.S. W.C., HAWAII	U.S. EAST COAST	0	56299	176997	0	233296
TRANSITS	TOTAL	TOTAL	183	150	34	0	366
CARGO TONS	TOTAL	TOTAL	976713	3622658	1117297	0	5716668

2060 150,000 DWT Vessel Transits

Ladon Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 149,999	TOTAL
Full Container Ships								
TRANSITS	ASIA	AFRICA	0	0	0	0	0	0
CARGO TONS	ASIA	AFRICA	0	0	467	0	0	467
TRANSITS	ASIA	ASIA	0	0	0	0	0	0
CARGO TONS	ASIA	ASIA	0	1790	94	0	0	1884
TRANSITS	ASIA	CANADA EAST COAST	0	12	21	0	0	33
CARGO TONS	ASIA	CANADA EAST COAST	0	157983	581017	0	0	739000
TRANSITS	ASIA	CENTRAL AMERICA E.C., W. INDIE	0	110	9	0	0	118
CARGO TONS	ASIA	CENTRAL AMERICA E.C., W. INDIE	0	1373201	207927	0	0	1581128
TRANSITS	ASIA	EUROPE	0	5	21	0	0	26
CARGO TONS	ASIA	EUROPE	0	73948	447070	0	0	521018
TRANSITS	ASIA	MIDDLE EAST	0	1	1	0	0	1
CARGO TONS	ASIA	MIDDLE EAST	0	13241	14769	0	0	28010
TRANSITS	ASIA	S. AMERICA E.C.	0	4	0	0	0	4
CARGO TONS	ASIA	S. AMERICA E.C.	0	13538	419	0	0	13957
TRANSITS	ASIA	U.S. EAST COAST	0	24	252	128	60	464
CARGO TONS	ASIA	U.S. EAST COAST	0	354543	5196495	4222152	3247809	13021000
TRANSITS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	0	1	0	0	0	1
CARGO TONS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	0	8327	671	0	0	8998
TRANSITS	C. AMERICA W.C.	EUROPE	0	2	0	0	0	2
CARGO TONS	C. AMERICA W.C.	EUROPE	0	35379	1862	0	0	37241
TRANSITS	C. AMERICA W.C.	MIDDLE EAST	0	0	0	0	0	0
CARGO TONS	C. AMERICA W.C.	MIDDLE EAST	0	10	0	0	0	10
TRANSITS	C. AMERICA W.C.	S. AMERICA E.C.	0	0	0	0	0	0
CARGO TONS	C. AMERICA W.C.	S. AMERICA E.C.	0	6019	537	0	0	6556
TRANSITS	C. AMERICA W.C.	U.S. EAST COAST	0	0	0	0	0	0
CARGO TONS	C. AMERICA W.C.	U.S. EAST COAST	0	5031	156	0	0	5187

2060 150,000 DWT Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 149,999	TOTAL
Full Container Ships (Cont.)								
TRANSITS	CANADA WEST COAST	EUROPE	0	28	3	0	0	31
CARGO TONS	CANADA WEST COAST	EUROPE	0	408509	102491	0	0	511000
TRANSITS	OCEANIA	CANADA EAST COAST	0	10	0	0	0	10
CARGO TONS	OCEANIA	CANADA EAST COAST	0	162959	13953	0	0	176912
TRANSITS	OCEANIA	CENTRAL AMERICA E.C., W. INDIE	0	5	0	0	0	5
CARGO TONS	OCEANIA	CENTRAL AMERICA E.C., W. INDIE	0	62017	1918	0	0	63935
TRANSITS	OCEANIA	S. AMERICA E.C.	0	0	0	0	0	0
CARGO TONS	OCEANIA	S. AMERICA E.C.	0	2234	69	0	0	2303
TRANSITS	OCEANIA	U.S. EAST COAST	0	67	3	0	0	70
CARGO TONS	OCEANIA	U.S. EAST COAST	0	1097211	93502	0	0	1190713
TRANSITS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	0	0	0	0	0	0
CARGO TONS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	0	1027	43	0	0	1070
TRANSITS	S. AMERICA W.C.	EUROPE	0	139	5	0	0	144
CARGO TONS	S. AMERICA W.C.	EUROPE	0	2921137	160249	0	0	3081386
TRANSITS	S. AMERICA W.C.	S. AMERICA E.C.	0	0	0	0	0	0
CARGO TONS	S. AMERICA W.C.	S. AMERICA E.C.	0	79	2	0	0	81
TRANSITS	S. AMERICA W.C.	U.S. EAST COAST	0	98	1	0	0	99
CARGO TONS	S. AMERICA W.C.	U.S. EAST COAST	0	1015333	31402	0	0	1046735
TRANSITS	U.S. W.C., HAWAII	AFRICA	0	0	0	0	0	0
CARGO TONS	U.S. W.C., HAWAII	AFRICA	0	0	35	0	0	35
TRANSITS	U.S. W.C., HAWAII	CANADA EAST COAST	0	0	0	0	0	0
CARGO TONS	U.S. W.C., HAWAII	CANADA EAST COAST	0	4151	3491	0	0	7642
TRANSITS	U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIE	0	6	0	0	0	6
CARGO TONS	U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIE	0	81309	8625	0	0	89934
TRANSITS	U.S. W.C., HAWAII	EUROPE	0	115	47	34	0	196
CARGO TONS	U.S. W.C., HAWAII	EUROPE	0	1652229	1007433	1175338	0	3835000

2060 150,000 DWT Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 149,999	TOTAL
Full Container Ships (Cont.)								
TRANSITS	U.S. W.C., HAWAII	MIDDLE EAST	0	24	2	0	0	25
CARGO TONS	U.S. W.C., HAWAII	MIDDLE EAST	0	314551	41474	0	0	356025
TRANSITS	U.S. W.C., HAWAII	U.S. EAST COAST	0	9	12	0	0	21
CARGO TONS	U.S. W.C., HAWAII	U.S. EAST COAST	0	102576	223908	0	0	326484
TRANSITS	TOTAL	TOTAL	0	661	377	161	60	1259
CARGO TONS	TOTAL	TOTAL	0	9868331	8140080	5397490	3247809	26653711

2080 150,000 DWT Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Conventional General Cargo Ships							
TRANSITS	ASIA	CANADA EAST COAST	0	0	0	0	0
CARGO TONS	ASIA	CANADA EAST COAST	0	3246	0	0	3246
TRANSITS	ASIA	CENTRAL AMERICA E.C., W. INDIE	0	127	0	0	127
CARGO TONS	ASIA	CENTRAL AMERICA E.C., W. INDIE	0	1501007	0	0	1501007
TRANSITS	ASIA	EUROPE	0	6	0	0	6
CARGO TONS	ASIA	EUROPE	0	51815	0	0	51815
TRANSITS	ASIA	S. AMERICA E.C.	0	4	0	0	4
CARGO TONS	ASIA	S. AMERICA E.C.	0	25255	0	0	25255
TRANSITS	ASIA	U.S. EAST COAST	0	49	0	0	49
CARGO TONS	ASIA	U.S. EAST COAST	0	631941	0	0	631941
TRANSITS	C. AMERICA W.C.	AFRICA	0	7	0	0	7
CARGO TONS	C. AMERICA W.C.	AFRICA	0	139453	0	0	139453
TRANSITS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	48	7	0	0	55
CARGO TONS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	105993	137258	0	0	243251
TRANSITS	C. AMERICA W.C.	EUROPE	23	27	0	0	51
CARGO TONS	C. AMERICA W.C.	EUROPE	46272	245226	0	0	291498
TRANSITS	C. AMERICA W.C.	S. AMERICA E.C.	7	8	0	0	15
CARGO TONS	C. AMERICA W.C.	S. AMERICA E.C.	25066	74181	0	0	99247
TRANSITS	C. AMERICA W.C.	U.S. EAST COAST	13	3	0	0	16
CARGO TONS	C. AMERICA W.C.	U.S. EAST COAST	45649	38066	0	0	83715
TRANSITS	CANADA WEST COAST	ASIA	0	1	0	0	1
CARGO TONS	CANADA WEST COAST	ASIA	0	5337	0	0	5337
TRANSITS	CANADA WEST COAST	CENTRAL AMERICA E.C., W. INDIE	10	6	0	0	16
CARGO TONS	CANADA WEST COAST	CENTRAL AMERICA E.C., W. INDIE	36629	83611	0	0	120240
TRANSITS	CANADA WEST COAST	EUROPE	0	1	0	0	1
CARGO TONS	CANADA WEST COAST	EUROPE	0	20637	0	0	20637

2000 150,000 DWT Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Conventional General Cargo Ships (Cont.)							
TRANSITS	CANADA WEST COAST	MIDDLE EAST	0	2	0	0	2
CARGO TONS	CANADA WEST COAST	MIDDLE EAST	0	12722	0	0	12722
TRANSITS	CANADA WEST COAST	S. AMERICA E.C.	7	6	0	0	14
CARGO TONS	CANADA WEST COAST	S. AMERICA E.C.	29296	96842	0	0	126138
TRANSITS	OCEANIA	AFRICA	0	2	0	0	2
CARGO TONS	OCEANIA	AFRICA	0	9113	0	0	9113
TRANSITS	OCEANIA	CENTRAL AMERICA E.C., W. INDIE	0	1	0	0	1
CARGO TONS	OCEANIA	CENTRAL AMERICA E.C., W. INDIE	0	6566	0	0	6566
TRANSITS	OCEANIA	EUROPE	0	0	0	0	0
CARGO TONS	OCEANIA	EUROPE	0	590	0	0	590
TRANSITS	OCEANIA	S. AMERICA E.C.	15	0	0	0	15
CARGO TONS	OCEANIA	S. AMERICA E.C.	35350	3074	0	0	38424
TRANSITS	OCEANIA	U.S. EAST COAST	1	1	0	0	2
CARGO TONS	OCEANIA	U.S. EAST COAST	2758	6450	0	0	9208
TRANSITS	S. AMERICA W.C.	AFRICA	0	8	0	0	8
CARGO TONS	S. AMERICA W.C.	AFRICA	0	148929	0	0	148929
TRANSITS	S. AMERICA W.C.	CANADA EAST COAST	0	1	0	0	1
CARGO TONS	S. AMERICA W.C.	CANADA EAST COAST	0	14055	0	0	14055
TRANSITS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	67	15	0	0	82
CARGO TONS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	195461	165357	0	0	360818
TRANSITS	S. AMERICA W.C.	EUROPE	0	171	0	0	171
CARGO TONS	S. AMERICA W.C.	EUROPE	0	2817210	0	0	2817210
TRANSITS	S. AMERICA W.C.	MIDDLE EAST	0	2	0	0	2
CARGO TONS	S. AMERICA W.C.	MIDDLE EAST	0	25008	0	0	25008
TRANSITS	S. AMERICA W.C.	S. AMERICA E.C.	59	13	0	0	72
CARGO TONS	S. AMERICA W.C.	S. AMERICA E.C.	192905	113708	0	0	306613

2060 150,000 DWT Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Conventional General Cargo Ships (Cont.)							
TRANSITS	S. AMERICA W.C.	U.S. EAST COAST	22	33	0	0	56
CARGO TONS	S. AMERICA W.C.	U.S. EAST COAST	61923	368296	0	0	430219
TRANSITS	U.S. W.C., HAWAII	AFRICA	0	7	0	0	7
CARGO TONS	U.S. W.C., HAWAII	AFRICA	0	75385	0	0	75385
TRANSITS	U.S. W.C., HAWAII	ASIA	0	1	0	0	1
CARGO TONS	U.S. W.C., HAWAII	ASIA	0	347	0	0	347
TRANSITS	U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIE	3	0	0	0	3
CARGO TONS	U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIE	953	83	0	0	1036
TRANSITS	U.S. W.C., HAWAII	EUROPE	2	1	0	0	3
CARGO TONS	U.S. W.C., HAWAII	EUROPE	6332	18800	0	0	25132
TRANSITS	U.S. W.C., HAWAII	S. AMERICA E.C.	7	1	0	0	8
CARGO TONS	U.S. W.C., HAWAII	S. AMERICA E.C.	11500	7964	0	0	19464
TRANSITS	TOTAL	TOTAL	284	510	0	0	794
CARGO TONS	TOTAL	TOTAL	796088	6847531	0	0	7643619

2060 150,000 DWT Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Liquified Petroleum Gas Carriers							
TRANSITS	ASIA	U.S. EAST COAST	0	0	0	0	0
CARGO TONS	ASIA	U.S. EAST COAST	0	0	0	0	0
TRANSITS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	10	0	0	0	10
CARGO TONS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	42787	0	0	0	42787
TRANSITS	OCEANIA	U.S. EAST COAST	0	3	1	0	4
CARGO TONS	OCEANIA	U.S. EAST COAST	0	28461	28503	0	56964
TRANSITS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	0	0	0	0	0
CARGO TONS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	0	0	0	0	0
TRANSITS	S. AMERICA W.C.	U.S. EAST COAST	0	0	0	0	0
CARGO TONS	S. AMERICA W.C.	U.S. EAST COAST	0	0	0	0	0
TRANSITS	TOTAL	TOTAL	10	3	1	0	14
CARGO TONS	TOTAL	TOTAL	42787	28461	28503	0	99751

2060 150,000 DWT Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Refrigerated Cargo Ships							
TRANSITS	ASIA	AFRICA	3	1	0	0	4
CARGO TONS	ASIA	AFRICA	2862	1908	0	0	4770
TRANSITS	ASIA	CENTRAL AMERICA E.C., W. INDIE	0	25	0	0	25
CARGO TONS	ASIA	CENTRAL AMERICA E.C., W. INDIE	0	95354	0	0	95354
TRANSITS	ASIA	S. AMERICA E.C.	5	2	0	0	7
CARGO TONS	ASIA	S. AMERICA E.C.	3063	2042	0	0	5105
TRANSITS	ASIA	U.S. EAST COAST	1	0	0	0	1
CARGO TONS	ASIA	U.S. EAST COAST	22	14	0	0	36
TRANSITS	C. AMERICA W.C.	AFRICA	1	1	0	0	2
CARGO TONS	C. AMERICA W.C.	AFRICA	3942	2628	0	0	6570
TRANSITS	C. AMERICA W.C.	CANADA EAST COAST	0	0	0	0	1
CARGO TONS	C. AMERICA W.C.	CANADA EAST COAST	2902	1934	0	0	4836
TRANSITS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	0	39	0	0	39
CARGO TONS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	0	293678	0	0	293678
TRANSITS	C. AMERICA W.C.	EUROPE	0	276	0	0	276
CARGO TONS	C. AMERICA W.C.	EUROPE	0	1493468	0	0	1493468
TRANSITS	C. AMERICA W.C.	S. AMERICA E.C.	1	0	0	0	2
CARGO TONS	C. AMERICA W.C.	S. AMERICA E.C.	5466	3644	0	0	9110
TRANSITS	C. AMERICA W.C.	U.S. EAST COAST	1	0	0	0	1
CARGO TONS	C. AMERICA W.C.	U.S. EAST COAST	1391	928	0	0	2319
TRANSITS	CANADA WEST COAST	AFRICA	0	0	0	0	0
CARGO TONS	CANADA WEST COAST	AFRICA	0	0	0	0	0
TRANSITS	CANADA WEST COAST	EUROPE	0	4	0	0	4
CARGO TONS	CANADA WEST COAST	EUROPE	0	44776	0	0	44776
TRANSITS	OCEANIA	CENTRAL AMERICA E.C., W. INDIE	5	2	0	0	6
CARGO TONS	OCEANIA	CENTRAL AMERICA E.C., W. INDIE	29780	19853	0	0	49633

2060 150,000 DWT Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Refrigerated Cargo Ships (Cont.)							
TRANSITS	OCEANIA	EUROPE	56	156	0	0	212
CARGO TONS	OCEANIA	EUROPE	220900	979019	0	0	1199919
TRANSITS	OCEANIA	S. AMERICA E.C.	3	1	0	0	4
CARGO TONS	OCEANIA	S. AMERICA E.C.	2540	1694	0	0	4234
TRANSITS	OCEANIA	U.S. EAST COAST	34	19	0	0	53
CARGO TONS	OCEANIA	U.S. EAST COAST	139016	67896	0	0	206912
TRANSITS	S. AMERICA W.C.	AFRICA	13	14	0	0	27
CARGO TONS	S. AMERICA W.C.	AFRICA	47415	63305	0	0	110720
TRANSITS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	2	38	0	0	40
CARGO TONS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	11382	229200	0	0	240582
TRANSITS	S. AMERICA W.C.	EUROPE	243	858	0	0	1101
CARGO TONS	S. AMERICA W.C.	EUROPE	1073620	5740898	0	0	6814518
TRANSITS	S. AMERICA W.C.	MIDDLE EAST	3	1	0	0	5
CARGO TONS	S. AMERICA W.C.	MIDDLE EAST	11091	7394	0	0	18485
TRANSITS	S. AMERICA W.C.	S. AMERICA E.C.	15	9	0	0	24
CARGO TONS	S. AMERICA W.C.	S. AMERICA E.C.	33131	19550	0	0	52681
TRANSITS	S. AMERICA W.C.	U.S. EAST COAST	107	701	0	0	808
CARGO TONS	S. AMERICA W.C.	U.S. EAST COAST	286912	3534547	0	0	3821459
TRANSITS	U.S. W.C., HAWAII	EUROPE	71	70	0	0	140
CARGO TONS	U.S. W.C., HAWAII	EUROPE	444009	359636	0	0	803645
TRANSITS	U.S. W.C., HAWAII	S. AMERICA E.C.	1	1	0	0	2
CARGO TONS	U.S. W.C., HAWAII	S. AMERICA E.C.	4433	1171	0	0	5604
TRANSITS	TOTAL	TOTAL	564	2219	7	0	2783
CARGO TONS	TOTAL	TOTAL	2323876	12964538	0	0	15288414

2060 150,000 DWT Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Roll-On Roll-Off Ships							
TRANSITS	ASIA	CANADA EAST COAST	2	1	0	0	3
CARGO TONS	ASIA	CANADA EAST COAST	5997	6572	2512	0	15081
TRANSITS	ASIA	CENTRAL AMERICA E.C., W. INDIE	0	22	10	0	32
CARGO TONS	ASIA	CENTRAL AMERICA E.C., W. INDIE	0	352536	280526	0	633062
TRANSITS	ASIA	EUROPE	3	1	1	0	5
CARGO TONS	ASIA	EUROPE	12296	2240	19310	0	33846
TRANSITS	ASIA	U.S. EAST COAST	3	43	21	0	67
CARGO TONS	ASIA	U.S. EAST COAST	6870	710842	568145	0	1285857
TRANSITS	C. AMERICA W.C.	EUROPE	0	33	0	0	33
CARGO TONS	C. AMERICA W.C.	EUROPE	0	176988	0	0	176988
TRANSITS	C. AMERICA W.C.	S. AMERICA E.C.	0	0	0	0	0
CARGO TONS	C. AMERICA W.C.	S. AMERICA E.C.	0	380	0	0	380
TRANSITS	C. AMERICA W.C.	U.S. EAST COAST	0	3	0	0	3
CARGO TONS	C. AMERICA W.C.	U.S. EAST COAST	0	1190	0	0	1190
TRANSITS	CANADA WEST COAST	CENTRAL AMERICA E.C., W. INDIE	0	0	0	0	0
CARGO TONS	CANADA WEST COAST	CENTRAL AMERICA E.C., W. INDIE	1002	31	0	0	1033
TRANSITS	OCEANIA	CENTRAL AMERICA E.C., W. INDIE	0	0	0	0	0
CARGO TONS	OCEANIA	CENTRAL AMERICA E.C., W. INDIE	0	241	13	0	254
TRANSITS	OCEANIA	EUROPE	0	0	0	0	0
CARGO TONS	OCEANIA	EUROPE	0	17	93	0	110
TRANSITS	OCEANIA	U.S. EAST COAST	0	2	0	0	2
CARGO TONS	OCEANIA	U.S. EAST COAST	0	6102	3145	0	9247
TRANSITS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	22	0	0	0	22
CARGO TONS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	42828	1325	0	0	44153
TRANSITS	S. AMERICA W.C.	EUROPE	0	2	0	0	2
CARGO TONS	S. AMERICA W.C.	EUROPE	0	5272	0	0	5272

2060 150,000 DWT Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Roll-On Roll-Off Ships (Cont.)							
TRANSITS	S. AMERICA W.C.	S. AMERICA E.C.	3	0	0	0	3
CARGO TONS	S. AMERICA W.C.	S. AMERICA E.C.	6687	207	0	0	6894
TRANSITS	S. AMERICA W.C.	U.S. EAST COAST	12	0	0	0	12
CARGO TONS	S. AMERICA W.C.	U.S. EAST COAST	24470	757	0	0	25227
TRANSITS	U.S. W.C., HAWAII	CANADA EAST COAST	1	0	0	0	1
CARGO TONS	U.S. W.C., HAWAII	CANADA EAST COAST	1838	57	0	0	1895
TRANSITS	U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIE	0	1	1	0	2
CARGO TONS	U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIE	0	11331	36850	0	48181
TRANSITS	U.S. W.C., HAWAII	EUROPE	0	0	0	0	0
CARGO TONS	U.S. W.C., HAWAII	EUROPE	0	193	476	0	669
TRANSITS	U.S. W.C., HAWAII	U.S. EAST COAST	0	0	0	0	0
CARGO TONS	U.S. W.C., HAWAII	U.S. EAST COAST	0	5455	3845	0	9300
TRANSITS	TOTAL	TOTAL	46	107	34	0	187
CARGO TONS	TOTAL	TOTAL	101989	1281735	914915	0	2298639

2060 150,000 DWT Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 149,990	TOTAL
Oil Tankers								
TRANSITS	ASIA	AFRICA	0	0	0	0	0	0
CARGO TONS	ASIA	AFRICA	81	0	0	0	0	81
TRANSITS	ASIA	EUROPE	0	1	0	0	0	1
CARGO TONS	ASIA	EUROPE	0	22486	459	0	0	22945
TRANSITS	ASIA	U.S. EAST COAST	0	3	0	0	0	3
CARGO TONS	ASIA	U.S. EAST COAST	0	75566	1542	0	0	77108
TRANSITS	C. AMERICA W.C.	AFRICA	0	0	0	0	0	0
CARGO TONS	C. AMERICA W.C.	AFRICA	72	0	0	0	0	72
TRANSITS	C. AMERICA W.C.	CANADA EAST COAST	0	0	0	0	0	0
CARGO TONS	C. AMERICA W.C.	CANADA EAST COAST	0	7735	158	0	0	7893
TRANSITS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	7	8	0	0	0	16
CARGO TONS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	27407	66050	1513	0	0	94970
TRANSITS	C. AMERICA W.C.	EUROPE	0	4	0	0	0	4
CARGO TONS	C. AMERICA W.C.	EUROPE	0	92415	1886	0	0	94301
TRANSITS	C. AMERICA W.C.	S. AMERICA E.C.	4	0	0	0	0	4
CARGO TONS	C. AMERICA W.C.	S. AMERICA E.C.	13029	0	0	0	0	13029
TRANSITS	C. AMERICA W.C.	U.S. EAST COAST	5	5	0	0	0	10
CARGO TONS	C. AMERICA W.C.	U.S. EAST COAST	19543	59314	1383	0	0	80241
TRANSITS	CANADA WEST COAST	U.S. EAST COAST	0	1	4	1	0	6
CARGO TONS	CANADA WEST COAST	U.S. EAST COAST	0	36584	188959	29617	0	255159
TRANSITS	OCEANIA	EUROPE	0	2	0	0	0	3
CARGO TONS	OCEANIA	EUROPE	0	63620	1298	0	0	64918
TRANSITS	OCEANIA	U.S. EAST COAST	4	3	2	0	0	9
CARGO TONS	OCEANIA	U.S. EAST COAST	15547	70354	76465	0	0	162366
TRANSITS	S. AMERICA W.C.	CANADA EAST COAST	0	1	0	0	0	1
CARGO TONS	S. AMERICA W.C.	CANADA EAST COAST	1534	12216	275	0	0	14025

2000 150,000 DWT Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 149,990	TOTAL
Oil Tankers (Cont.)								
TRANSITS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	1	5	9	0	0	15
CARGO TONS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	1981	121655	433715	0	0	557352
TRANSITS	S. AMERICA W.C.	EUROPE	14	5	0	0	0	19
CARGO TONS	S. AMERICA W.C.	EUROPE	36333	132935	3900	0	0	173169
TRANSITS	S. AMERICA W.C.	S. AMERICA E.C.	10	1	0	0	0	11
CARGO TONS	S. AMERICA W.C.	S. AMERICA E.C.	25254	10273	489	0	0	36016
TRANSITS	S. AMERICA W.C.	U.S. EAST COAST	0	8	8	0	0	17
CARGO TONS	S. AMERICA W.C.	U.S. EAST COAST	0	218136	389074	0	0	607210
TRANSITS	U.S. W.C., HAWAII	AFRICA	5	0	0	5	0	10
CARGO TONS	U.S. W.C., HAWAII	AFRICA	1030	0	0	332965	0	333995
TRANSITS	U.S. W.C., HAWAII	CANADA EAST COAST	0	0	0	0	0	0
CARGO TONS	U.S. W.C., HAWAII	CANADA EAST COAST	0	0	0	0	0	0
TRANSITS	U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIE	0	1	1	1	0	3
CARGO TONS	U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIE	0	25123	31641	39291	0	96056
TRANSITS	U.S. W.C., HAWAII	S. AMERICA E.C.	0	0	0	0	0	1
CARGO TONS	U.S. W.C., HAWAII	S. AMERICA E.C.	72	11500	17127	0	0	28699
TRANSITS	U.S. W.C., HAWAII	U.S. EAST COAST	0	3	0	0	0	4
CARGO TONS	U.S. W.C., HAWAII	U.S. EAST COAST	0	59941	14437	27168	0	101546
TRANSITS	TOTAL	TOTAL	52	51	24	7	0	135
CARGO TONS	TOTAL	TOTAL	141884	1085904	1164322	429041	0	2821151

2060 150,000 DWT Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Vehicle Carriers							
TRANSITS	ASIA	AFRICA	0	1	0	0	1
CARGO TONS	ASIA	AFRICA	0	9264	0	0	9264
TRANSITS	ASIA	CENTRAL AMERICA E.C., W. INDIE	5	9	0	0	13
CARGO TONS	ASIA	CENTRAL AMERICA E.C., W. INDIE	6279	27311	0	0	33590
TRANSITS	ASIA	EUROPE	0	12	0	0	12
CARGO TONS	ASIA	EUROPE	0	69727	0	0	69727
TRANSITS	ASIA	S. AMERICA E.C.	0	0	0	0	0
CARGO TONS	ASIA	S. AMERICA E.C.	37	220	0	0	257
TRANSITS	ASIA	U.S. EAST COAST	35	446	0	0	481
CARGO TONS	ASIA	U.S. EAST COAST	88833	2162354	0	0	2251187
TRANSITS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	3	0	0	0	3
CARGO TONS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	2597	47	0	0	2644
TRANSITS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	0	0	0	0	0
CARGO TONS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	185	0	0	0	185
TRANSITS	TOTAL	TOTAL	42	469	0	0	511
CARGO TONS	TOTAL	TOTAL	97931	2268923	0	0	2366854

2080 150,000 DWT Vessel Transits

Laden Southbound

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Container-Breakbulk Ships							
TRANSITS	AFRICA	C. AMERICA W.C.	0	6	1	0	6
CARGO TONS	AFRICA	C. AMERICA W.C.	0	157578	27880	0	185458
TRANSITS	AFRICA	CANADA WEST COAST	0	0	0	0	0
CARGO TONS	AFRICA	CANADA WEST COAST	0	4440	783	0	5223
TRANSITS	AFRICA	U.S. W.C., HAWAII	0	2	0	0	2
CARGO TONS	AFRICA	U.S. W.C., HAWAII	0	21202	3741	0	24943
TRANSITS	ASIA	C. AMERICA W.C.	0	6	1	0	6
CARGO TONS	ASIA	C. AMERICA W.C.	0	94072	16601	0	110673
TRANSITS	CANADA EAST COAST	ASIA	0	17	14	0	31
CARGO TONS	CANADA EAST COAST	ASIA	0	372851	442595	0	815446
TRANSITS	CANADA EAST COAST	C. AMERICA W.C.	0	2	0	0	3
CARGO TONS	CANADA EAST COAST	C. AMERICA W.C.	0	21635	3819	0	25454
TRANSITS	CANADA EAST COAST	OCEANIA	0	1	0	0	2
CARGO TONS	CANADA EAST COAST	OCEANIA	0	21485	3791	0	25276
TRANSITS	CANADA EAST COAST	S. AMERICA W.C.	0	1	0	0	1
CARGO TONS	CANADA EAST COAST	S. AMERICA W.C.	0	15655	1251	0	16906
TRANSITS	CANADA EAST COAST	U.S. W.C., HAWAII	0	0	0	0	0
CARGO TONS	CANADA EAST COAST	U.S. W.C., HAWAII	0	98	17	0	115
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	ASIA	0	11	1	0	13
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	ASIA	0	224140	46162	0	270302
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	0	12	1	0	13
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	0	41455	7316	0	48771
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	CANADA WEST COAST	0	3	0	0	4
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	CANADA WEST COAST	0	50294	8875	0	59169
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	OCEANIA	0	2	0	0	2
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	OCEANIA	0	32423	5722	0	38145

2060 150,000 DWT Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Container-Breakbulk Ships (Cont.)							
TRANSITS	CENTRAL AMERICA E.C., W. INDIES.	AMERICA W.C.	0	33	3	0	37
CARGO TONS	CENTRAL AMERICA E.C., W. INDIES.	AMERICA W.C.	0	243407	42954	0	286361
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	0	5	1	0	6
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	0	89208	22647	0	111855
TRANSITS	EUROPE	ASIA	0	8	1	0	9
CARGO TONS	EUROPE	ASIA	0	129813	17232	0	147045
TRANSITS	EUROPE	C. AMERICA W.C.	0	40	4	0	44
CARGO TONS	EUROPE	C. AMERICA W.C.	0	230189	40622	0	270811
TRANSITS	EUROPE	CANADA WEST COAST	0	1	6	0	7
CARGO TONS	EUROPE	CANADA WEST COAST	0	21095	195502	0	216597
TRANSITS	EUROPE	OCEANIA	0	94	10	0	104
CARGO TONS	EUROPE	OCEANIA	0	1032849	196456	0	1229305
TRANSITS	EUROPE	S. AMERICA W.C.	0	166	17	0	182
CARGO TONS	EUROPE	S. AMERICA W.C.	0	1278148	225556	0	1503704
TRANSITS	EUROPE	U.S. W.C., HAWAII	0	7	28	0	36
CARGO TONS	EUROPE	U.S. W.C., HAWAII	306	150024	965098	0	1115427
TRANSITS	S. AMERICA E.C.	ASIA	0	78	16	0	95
CARGO TONS	S. AMERICA E.C.	ASIA	0	1475186	606561	0	2081747
TRANSITS	S. AMERICA E.C.	C. AMERICA W.C.	0	15	1	0	16
CARGO TONS	S. AMERICA E.C.	C. AMERICA W.C.	0	220327	31321	0	251648
TRANSITS	S. AMERICA E.C.	CANADA WEST COAST	0	23	2	0	25
CARGO TONS	S. AMERICA E.C.	CANADA WEST COAST	0	287414	48083	0	335497
TRANSITS	S. AMERICA E.C.	OCEANIA	0	5	1	0	6
CARGO TONS	S. AMERICA E.C.	OCEANIA	0	80641	14231	0	94872
TRANSITS	S. AMERICA E.C.	S. AMERICA W.C.	0	56	6	0	61
CARGO TONS	S. AMERICA E.C.	S. AMERICA W.C.	0	506793	161358	0	668151

2060 150,000 DWT Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Container-Breakbulk Ships (Cont.)							
TRANSITS	S. AMERICA E.C.	U.S. W.C., HAWAII	0	76	8	0	84
CARGO TONS	S. AMERICA E.C.	U.S. W.C., HAWAII	0	1017603	241902	0	1259505
TRANSITS	U.S. EAST COAST	ASIA	0	167	116	0	284
CARGO TONS	U.S. EAST COAST	ASIA	0	3489041	3688089	0	7177130
TRANSITS	U.S. EAST COAST	C. AMERICA W.C.	0	20	2	0	22
CARGO TONS	U.S. EAST COAST	C. AMERICA W.C.	0	368120	77567	0	445687
TRANSITS	U.S. EAST COAST	OCEANIA	0	27	7	0	34
CARGO TONS	U.S. EAST COAST	OCEANIA	0	445806	275664	0	721470
TRANSITS	U.S. EAST COAST	S. AMERICA W.C.	0	310	36	0	347
CARGO TONS	U.S. EAST COAST	S. AMERICA W.C.	0	2395405	1047229	0	3442634
TRANSITS	U.S. EAST COAST	U.S. W.C., HAWAII	0	0	0	0	0
CARGO TONS	U.S. EAST COAST	U.S. W.C., HAWAII	0	0	195	0	195
TRANSITS	TOTAL	TOTAL	0	1196	285	0	1481
CARGO TONS	TOTAL	TOTAL	306	14518396	8466821	0	22985522

2060 150,000 DWT Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 149,999	TOTAL
Combined and Dry Bulk Carriers								
TRANSITS	AFRICA	C. AMERICA W.C.	0	26	1	3	0	29
CARGO TONS	AFRICA	C. AMERICA W.C.	0	912526	36021	252145	0	1200692
TRANSITS	AFRICA	CANADA WEST COAST	0	97	37	23	0	156
CARGO TONS	AFRICA	CANADA WEST COAST	0	3460490	2121341	2063069	0	7644900
TRANSITS	AFRICA	OCEANIA	0	18	8	3	0	30
CARGO TONS	AFRICA	OCEANIA	0	603897	420318	271566	0	1295781
TRANSITS	AFRICA	S. AMERICA W.C.	0	8	0	1	0	9
CARGO TONS	AFRICA	S. AMERICA W.C.	0	238062	9397	65780	0	313240
TRANSITS	AFRICA	U.S. W.C., HAWAII	0	5	4	1	0	10
CARGO TONS	AFRICA	U.S. W.C., HAWAII	0	85800	136027	75167	0	296994
TRANSITS	CANADA EAST COAST	ASIA	0	56	30	19	15	120
CARGO TONS	CANADA EAST COAST	ASIA	0	1749717	1424400	1326739	1516828	6017683
TRANSITS	CANADA EAST COAST	OCEANIA	0	5	1	1	0	7
CARGO TONS	CANADA EAST COAST	OCEANIA	0	104407	7880	19956	0	132243
TRANSITS	CANADA EAST COAST	S. AMERICA W.C.	0	9	2	1	0	12
CARGO TONS	CANADA EAST COAST	S. AMERICA W.C.	0	249973	91013	84982	0	425969
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	ASIA	0	19	0	2	0	22
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	ASIA	0	614081	24240	169680	0	808001
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	0	43	1	5	0	49
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	0	1253960	49498	346489	0	1649947
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	CANADA WEST COAST	0	3	0	0	0	3
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	CANADA WEST COAST	0	80056	3160	22121	0	105337
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	OCEANIA	0	1	0	0	0	1
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	OCEANIA	0	16650	657	4601	0	21908
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	S. AMERICA W.C.	0	21	1	2	0	24
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	S. AMERICA W.C.	0	557847	22020	154142	0	734009

2000 150,000 DWT Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 149,999	TOTAL
Combined and Dry Bulk Carriers (Cont.)								
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	0	8	0	1	0	9
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	0	217699	8593	60154	0	286446
TRANSITS	EUROPE	ASIA	0	5	4	1	0	11
CARGO TONS	EUROPE	ASIA	0	136488	188513	86833	0	411834
TRANSITS	EUROPE	C. AMERICA W.C.	0	45	1	5	0	51
CARGO TONS	EUROPE	C. AMERICA W.C.	0	1236724	48818	341726	0	1627268
TRANSITS	EUROPE	CANADA WEST COAST	0	8	3	2	0	12
CARGO TONS	EUROPE	CANADA WEST COAST	0	161624	121902	124782	0	408308
TRANSITS	EUROPE	OCEANIA	0	6	0	1	0	7
CARGO TONS	EUROPE	OCEANIA	0	183249	7234	50635	0	241117
TRANSITS	EUROPE	S. AMERICA W.C.	0	15	0	2	0	16
CARGO TONS	EUROPE	S. AMERICA W.C.	0	390271	15405	107838	0	513515
TRANSITS	EUROPE	U.S. W.C., HAWAII	0	89	33	20	0	142
CARGO TONS	EUROPE	U.S. W.C., HAWAII	0	1955868	1368439	1354357	0	4678664
TRANSITS	MIDDLE EAST	S. AMERICA W.C.	0	0	2	0	0	2
CARGO TONS	MIDDLE EAST	S. AMERICA W.C.	0	0	86553	17728	0	104281
TRANSITS	S. AMERICA E.C.	ASIA	0	37	15	9	64	124
CARGO TONS	S. AMERICA E.C.	ASIA	0	1130378	739394	693249	7654348	10217369
TRANSITS	S. AMERICA E.C.	C. AMERICA W.C.	0	10	0	1	0	12
CARGO TONS	S. AMERICA E.C.	C. AMERICA W.C.	0	335499	13235	92644	0	441378
TRANSITS	S. AMERICA E.C.	CANADA WEST COAST	0	3	0	0	0	3
CARGO TONS	S. AMERICA E.C.	CANADA WEST COAST	0	73661	2908	20354	0	96923
TRANSITS	S. AMERICA E.C.	S. AMERICA W.C.	0	31	2	5	0	39
CARGO TONS	S. AMERICA E.C.	S. AMERICA W.C.	0	903130	88666	303846	0	1295642
TRANSITS	S. AMERICA E.C.	U.S. W.C., HAWAII	0	11	6	17	0	34
CARGO TONS	S. AMERICA E.C.	U.S. W.C., HAWAII	0	306655	300828	1114435	0	1721918

2060 150,000 DWT Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 149,999	TOTAL
Combined and Dry Bulk Carriers (Cont.)								
TRANSITS	U.S. EAST COAST	ASIA	0	0	692	394	667	1753
CARGO TONS	U.S. EAST COAST	ASIA	0	0	35140032	29566193	75167305	139873529
TRANSITS	U.S. EAST COAST	C. AMERICA W.C.	0	322	6	47	0	375
CARGO TONS	U.S. EAST COAST	C. AMERICA W.C.	0	10395716	260285	3346523	0	14002524
TRANSITS	U.S. EAST COAST	CANADA WEST COAST	0	0	0	0	0	0
CARGO TONS	U.S. EAST COAST	CANADA WEST COAST	0	0	0	0	0	0
TRANSITS	U.S. EAST COAST	OCEANIA	0	18	2	3	0	23
CARGO TONS	U.S. EAST COAST	OCEANIA	0	585613	99125	224714	0	909451
TRANSITS	U.S. EAST COAST	S. AMERICA W.C.	0	70	2	10	0	82
CARGO TONS	U.S. EAST COAST	S. AMERICA W.C.	0	2105364	71846	766351	0	2943561
TRANSITS	U.S. EAST COAST	U.S. W.C., HAWAII	0	0	0	0	0	1
CARGO TONS	U.S. EAST COAST	U.S. W.C., HAWAII	0	282	11	78	0	371
TRANSITS	TOTAL	TOTAL	0	989	852	580	746	3168
CARGO TONS	TOTAL	TOTAL	0	30045688	42858516	43062199	84338481	200304884

2060 150,000 DWT Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Chemical Tankers							
TRANSITS	AFRICA	S. AMERICA W.C.	0	2	0	0	2
CARGO TONS	AFRICA	S. AMERICA W.C.	0	58603	0	0	58603
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	ASIA	0	9	0	0	9
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	ASIA	0	293416	0	0	293416
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	0	5	0	0	5
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	0	114535	0	0	114535
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	S. AMERICA W.C.	4	7	0	0	11
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	S. AMERICA W.C.	25986	190658	0	0	216644
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	2	0	0	0	2
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	14313	753	0	0	15066
TRANSITS	EUROPE	ASIA	0	17	3	0	20
CARGO TONS	EUROPE	ASIA	0	523250	130813	0	654063
TRANSITS	EUROPE	C. AMERICA W.C.	10	0	0	0	10
CARGO TONS	EUROPE	C. AMERICA W.C.	48102	2532	0	0	50634
TRANSITS	EUROPE	OCEANIA	0	12	0	0	12
CARGO TONS	EUROPE	OCEANIA	0	267554	0	0	267554
TRANSITS	EUROPE	S. AMERICA W.C.	8	1	0	0	9
CARGO TONS	EUROPE	S. AMERICA W.C.	53637	44086	0	0	97723
TRANSITS	EUROPE	U.S. W.C., HAWAII	2	8	0	0	10
CARGO TONS	EUROPE	U.S. W.C., HAWAII	11435	249086	0	0	260521
TRANSITS	S. AMERICA E.C.	C. AMERICA W.C.	9	1	0	0	10
CARGO TONS	S. AMERICA E.C.	C. AMERICA W.C.	56369	22545	0	0	78914
TRANSITS	S. AMERICA E.C.	S. AMERICA W.C.	0	7	0	0	7
CARGO TONS	S. AMERICA E.C.	S. AMERICA W.C.	0	181056	0	0	181056
TRANSITS	S. AMERICA E.C.	U.S. W.C., HAWAII	0	0	1	0	1
CARGO TONS	S. AMERICA E.C.	U.S. W.C., HAWAII	0	0	42615	0	42615

2060 150,000 DWT Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Chemical Tankers (Cont.)							
TRANSITS	U.S. EAST COAST	ASIA	0	581	102	0	683
CARGO TONS	U.S. EAST COAST	ASIA	0	18996558	4749139	0	23745697
TRANSITS	U.S. EAST COAST	C. AMERICA W.C.	24	4	0	0	27
CARGO TONS	U.S. EAST COAST	C. AMERICA W.C.	140703	97039	0	0	237742
TRANSITS	U.S. EAST COAST	CANADA WEST COAST	8	0	0	0	8
CARGO TONS	U.S. EAST COAST	CANADA WEST COAST	52677	8485	0	0	61162
TRANSITS	U.S. EAST COAST	OCEANIA	1	12	4	0	17
CARGO TONS	U.S. EAST COAST	OCEANIA	9269	358039	177215	0	544523
TRANSITS	U.S. EAST COAST	S. AMERICA W.C.	43	9	1	0	53
CARGO TONS	U.S. EAST COAST	S. AMERICA W.C.	258990	246350	54461	0	559801
TRANSITS	U.S. EAST COAST	U.S. W.C., HAWAII	0	11	37	0	48
CARGO TONS	U.S. EAST COAST	U.S. W.C., HAWAII	0	346462	1467345	0	1813807
TRANSITS	TOTAL	TOTAL	110	687	149	0	946
CARGO TONS	TOTAL	TOTAL	671481	22001006	6621588	0	29294076

2060 150,000 DWT Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 149,999	TOTAL
Full Container Ships								
TRANSITS	AFRICA	U.S. W.C., HAWAII	0	0	0	0	0	0
CARGO TONS	AFRICA	U.S. W.C., HAWAII	0	5250	162	0	0	5412
TRANSITS	CANADA EAST COAST	ASIA	0	27	7	0	0	35
CARGO TONS	CANADA EAST COAST	ASIA	0	443714	214286	0	0	658000
TRANSITS	CANADA EAST COAST	OCEANIA	0	22	1	0	0	23
CARGO TONS	CANADA EAST COAST	OCEANIA	0	263732	22224	0	0	285956
TRANSITS	CANADA EAST COAST	U.S. W.C., HAWAII	0	0	8	0	0	8
CARGO TONS	CANADA EAST COAST	U.S. W.C., HAWAII	0	0	247442	0	0	247442
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	ASIA	0	7	1	0	0	8
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	ASIA	0	92835	23425	0	0	116260
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	0	1	0	0	0	1
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	0	6911	377	0	0	7288
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	OCEANIA	0	1	0	0	0	1
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	OCEANIA	0	7327	227	0	0	7554
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	S. AMERICA W.C.	0	2	0	0	0	2
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	S. AMERICA W.C.	0	10062	419	0	0	10481
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	0	1	0	0	0	2
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	0	22907	2754	0	0	25661
TRANSITS	EUROPE	ASIA	0	6	8	0	0	14
CARGO TONS	EUROPE	ASIA	0	96990	224624	0	0	321614
TRANSITS	EUROPE	C. AMERICA W.C.	0	0	0	0	0	0
CARGO TONS	EUROPE	C. AMERICA W.C.	0	1098	58	0	0	1156
TRANSITS	EUROPE	CANADA WEST COAST	0	24	1	0	0	25
CARGO TONS	EUROPE	CANADA WEST COAST	0	313533	22467	0	0	336000
TRANSITS	EUROPE	OCEANIA	0	10	0	0	0	11
CARGO TONS	EUROPE	OCEANIA	0	150790	12054	0	0	162844

2060 150,000 DWT Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 149,999	TOTAL
Full Container Ships (Cont.)								
TRANSITS	EUROPE	S. AMERICA W.C.	0	78	3	0	0	81
CARGO TONS	EUROPE	S. AMERICA W.C.	0	1243555	65450	0	0	1309005
TRANSITS	EUROPE	U.S. W.C., HAWAII	0	89	27	24	0	140
CARGO TONS	EUROPE	U.S. W.C., HAWAII	0	1192809	804246	1125944	0	3123000
TRANSITS	MIDDLE EAST	ASIA	0	0	0	0	0	0
CARGO TONS	MIDDLE EAST	ASIA	0	4244	359	0	0	4603
TRANSITS	MIDDLE EAST	S. AMERICA W.C.	0	0	0	0	0	0
CARGO TONS	MIDDLE EAST	S. AMERICA W.C.	0	1671	34	0	0	1705
TRANSITS	MIDDLE EAST	U.S. W.C., HAWAII	0	14	1	0	0	15
CARGO TONS	MIDDLE EAST	U.S. W.C., HAWAII	0	219589	27163	0	0	246752
TRANSITS	S. AMERICA E.C.	ASIA	0	6	0	0	0	6
CARGO TONS	S. AMERICA E.C.	ASIA	0	72322	2237	0	0	74559
TRANSITS	S. AMERICA E.C.	C. AMERICA W.C.	0	1	0	0	0	1
CARGO TONS	S. AMERICA E.C.	C. AMERICA W.C.	0	7785	241	0	0	8026
TRANSITS	S. AMERICA E.C.	S. AMERICA W.C.	0	7	0	0	0	7
CARGO TONS	S. AMERICA E.C.	S. AMERICA W.C.	0	61783	1911	0	0	63694
TRANSITS	S. AMERICA E.C.	U.S. W.C., HAWAII	0	2	0	0	0	2
CARGO TONS	S. AMERICA E.C.	U.S. W.C., HAWAII	0	19262	596	0	0	19858
TRANSITS	U.S. EAST COAST	ASIA	0	86	297	139	63	585
CARGO TONS	U.S. EAST COAST	ASIA	0	1942872	8584272	6438204	4828653	21794000
TRANSITS	U.S. EAST COAST	C. AMERICA W.C.	0	13	0	0	0	13
CARGO TONS	U.S. EAST COAST	C. AMERICA W.C.	0	109054	3373	0	0	112427
TRANSITS	U.S. EAST COAST	OCEANIA	0	210	9	0	0	219
CARGO TONS	U.S. EAST COAST	OCEANIA	0	2534204	204703	0	0	2738907
TRANSITS	U.S. EAST COAST	S. AMERICA W.C.	0	115	1	0	0	117
CARGO TONS	U.S. EAST COAST	S. AMERICA W.C.	0	974378	30135	0	0	1004513

2060 150,000 DWT Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 149,999	TOTAL
Full Container Ships (Cont.)								
TRANSITS	U.S. EAST COAST	U.S. W.C., HAWAII	0	0	1	0	0	1
CARGO TONS	U.S. EAST COAST	U.S. W.C., HAWAII	0	725	24882	0	0	25607
TRANSITS	TOTAL	TOTAL	0	723	365	162	63	1314
CARGO TONS	TOTAL	TOTAL	0	9799402	10520121	7564148	4828653	32712324

2060 150,000 DWT Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Conventional General Cargo Ships							
TRANSITS	AFRICA	C. AMERICA W.C.	0	3	0	0	3
CARGO TONS	AFRICA	C. AMERICA W.C.	0	45684	0	0	45684
TRANSITS	AFRICA	S. AMERICA W.C.	0	3	0	0	3
CARGO TONS	AFRICA	S. AMERICA W.C.	0	67854	0	0	67854
TRANSITS	ASIA	C. AMERICA W.C.	0	3	0	0	3
CARGO TONS	ASIA	C. AMERICA W.C.	0	55778	0	0	55778
TRANSITS	CANADA EAST COAST	ASIA	0	10	0	0	10
CARGO TONS	CANADA EAST COAST	ASIA	0	25154	0	0	25154
TRANSITS	CANADA EAST COAST	C. AMERICA W.C.	0	2	0	0	2
CARGO TONS	CANADA EAST COAST	C. AMERICA W.C.	0	36025	0	0	36025
TRANSITS	CANADA EAST COAST	OCEANIA	0	0	0	0	0
CARGO TONS	CANADA EAST COAST	OCEANIA	0	7019	0	0	7019
TRANSITS	CANADA EAST COAST	S. AMERICA W.C.	0	16	0	0	16
CARGO TONS	CANADA EAST COAST	S. AMERICA W.C.	0	147818	0	0	147818
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	ASIA	0	28	0	0	28
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	ASIA	0	538121	0	0	538121
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	48	9	0	0	56
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	108451	100592	0	0	209043
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	OCEANIA	0	1	0	0	1
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	OCEANIA	0	12687	0	0	12687
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	S. AMERICA W.C.	24	29	0	0	53
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	S. AMERICA W.C.	61069	430835	0	0	491904
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	12	0	0	0	12
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	38699	3365	0	0	42064
TRANSITS	EUROPE	ASIA	2	4	0	0	6
CARGO TONS	EUROPE	ASIA	4600	85671	0	0	90271

2060 150,000 DWT Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Conventional General Cargo Ships (Cont.)							
TRANSITS	EUROPE	C. AMERICA W.C.	28	60	0	0	87
CARGO TONS	EUROPE	C. AMERICA W.C.	52132	545984	0	0	598116
TRANSITS	EUROPE	CANADA WEST COAST	3	0	0	0	3
CARGO TONS	EUROPE	CANADA WEST COAST	9783	851	0	0	10634
TRANSITS	EUROPE	OCEANIA	0	24	0	0	24
CARGO TONS	EUROPE	OCEANIA	1118	301095	0	0	302213
TRANSITS	EUROPE	S. AMERICA W.C.	5	68	0	0	73
CARGO TONS	EUROPE	S. AMERICA W.C.	16738	716819	0	0	733557
TRANSITS	EUROPE	U.S. W.C., HAWAII	3	1	0	0	4
CARGO TONS	EUROPE	U.S. W.C., HAWAII	12113	5426	0	0	17539
TRANSITS	MIDDLE EAST	S. AMERICA W.C.	6	0	0	0	6
CARGO TONS	MIDDLE EAST	S. AMERICA W.C.	2785	242	0	0	3027
TRANSITS	MIDDLE EAST	U.S. W.C., HAWAII	0	7	0	0	7
CARGO TONS	MIDDLE EAST	U.S. W.C., HAWAII	0	19214	0	0	19214
TRANSITS	S. AMERICA E.C.	ASIA	0	26	0	0	26
CARGO TONS	S. AMERICA E.C.	ASIA	0	479536	0	0	479536
TRANSITS	S. AMERICA E.C.	C. AMERICA W.C.	0	13	0	0	13
CARGO TONS	S. AMERICA E.C.	C. AMERICA W.C.	0	260927	0	0	260927
TRANSITS	S. AMERICA E.C.	CANADA WEST COAST	0	0	0	0	0
CARGO TONS	S. AMERICA E.C.	CANADA WEST COAST	0	1654	0	0	1654
TRANSITS	S. AMERICA E.C.	S. AMERICA W.C.	37	44	0	0	81
CARGO TONS	S. AMERICA E.C.	S. AMERICA W.C.	123961	530749	0	0	654710
TRANSITS	S. AMERICA E.C.	U.S. W.C., HAWAII	4	13	0	0	17
CARGO TONS	S. AMERICA E.C.	U.S. W.C., HAWAII	11613	65111	0	0	76724
TRANSITS	U.S. EAST COAST	ASIA	0	74	0	0	74
CARGO TONS	U.S. EAST COAST	ASIA	0	1214214	0	0	1214214

2060 150,000 DWT Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Conventional General Cargo Ships (Cont.)							
TRANSITS	U.S. EAST COAST	C. AMERICA W.C.	73	30	0	0	103
CARGO TONS	U.S. EAST COAST	C. AMERICA W.C.	250729	525017	0	0	775746
TRANSITS	U.S. EAST COAST	OCEANIA	0	6	0	0	6
CARGO TONS	U.S. EAST COAST	OCEANIA	0	88877	0	0	88877
TRANSITS	U.S. EAST COAST	S. AMERICA W.C.	82	105	0	0	187
CARGO TONS	U.S. EAST COAST	S. AMERICA W.C.	214607	1121336	0	0	1335943
TRANSITS	U.S. EAST COAST	U.S. W.C., HAWAII	1	0	0	0	1
CARGO TONS	U.S. EAST COAST	U.S. W.C., HAWAII	236	20	0	0	256
TRANSITS	TOTAL	TOTAL	327	579	0	0	906
CARGO TONS	TOTAL	TOTAL	908633	7433676	0	0	8342309

2000 150,000 DWT Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Liquified Petroleum Gas Carriers							
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	ASIA	7	3	0	0	10
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	ASIA	17471	35209	0	0	52680
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	16	32	8	0	56
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	48108	457769	235971	0	741848
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	S. AMERICA W.C.	0	4	0	0	4
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	S. AMERICA W.C.	0	60438	0	0	60438
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	0	0	0	0	0
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	0	2591	0	0	2591
TRANSITS	EUROPE	C. AMERICA W.C.	2	0	0	0	2
CARGO TONS	EUROPE	C. AMERICA W.C.	6710	0	0	0	6710
TRANSITS	EUROPE	S. AMERICA W.C.	0	0	0	0	0
CARGO TONS	EUROPE	S. AMERICA W.C.	0	889	0	0	889
TRANSITS	S. AMERICA E.C.	ASIA	0	2	0	0	2
CARGO TONS	S. AMERICA E.C.	ASIA	0	30079	0	0	30079
TRANSITS	S. AMERICA E.C.	C. AMERICA W.C.	12	0	0	0	12
CARGO TONS	S. AMERICA E.C.	C. AMERICA W.C.	31718	0	0	0	31718
TRANSITS	S. AMERICA E.C.	S. AMERICA W.C.	0	33	0	0	33
CARGO TONS	S. AMERICA E.C.	S. AMERICA W.C.	0	431167	0	0	431167
TRANSITS	S. AMERICA E.C.	U.S. W.C., HAWAII	0	0	0	0	0
CARGO TONS	S. AMERICA E.C.	U.S. W.C., HAWAII	0	0	0	0	0
TRANSITS	U.S. EAST COAST	ASIA	0	3	0	0	3
CARGO TONS	U.S. EAST COAST	ASIA	809	40676	0	0	41485
TRANSITS	U.S. EAST COAST	C. AMERICA W.C.	0	0	0	0	0
CARGO TONS	U.S. EAST COAST	C. AMERICA W.C.	774	0	0	0	774
TRANSITS	U.S. EAST COAST	OCEANIA	0	0	0	0	0
CARGO TONS	U.S. EAST COAST	OCEANIA	0	22	0	0	22

2060 150,000 DWT Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Liquified Petroleum Gas Carriers (Cont.)							
TRANSITS	U.S. EAST COAST	S. AMERICA W.C.	1	0	0	0	1
CARGO TONS	U.S. EAST COAST	S. AMERICA W.C.	2016	0	0	0	2016
TRANSITS	U.S. EAST COAST	U.S. W.C., HAWAII	0	0	0	0	0
CARGO TONS	U.S. EAST COAST	U.S. W.C., HAWAII	0	0	0	0	0
TRANSITS	TOTAL	TOTAL	37	78	8	0	124
CARGO TONS	TOTAL	TOTAL	107606	1058840	235971	0	1402417

2060 150,000 DWT Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Refrigerated Cargo Ships							
TRANSITS	AFRICA	ASIA	32	13	0	0	46
CARGO TONS	AFRICA	ASIA	175280	116854	0	0	292134
TRANSITS	AFRICA	C. AMERICA W.C.	0	0	0	0	0
CARGO TONS	AFRICA	C. AMERICA W.C.	104	70	0	0	174
TRANSITS	AFRICA	S. AMERICA W.C.	23	26	0	0	49
CARGO TONS	AFRICA	S. AMERICA W.C.	20950	449	0	0	21399
TRANSITS	CANADA EAST COAST	ASIA	10	4	0	0	15
CARGO TONS	CANADA EAST COAST	ASIA	55132	36754	0	0	91886
TRANSITS	CANADA EAST COAST	C. AMERICA W.C.	0	11	0	0	11
CARGO TONS	CANADA EAST COAST	C. AMERICA W.C.	0	30818	0	0	30818
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	ASIA	5	8	0	0	13
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	ASIA	23008	14175	0	0	37183
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	0	43	0	0	43
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	0	11449	0	0	11449
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	S. AMERICA W.C.	0	93	0	0	93
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	S. AMERICA W.C.	0	81918	0	0	81918
TRANSITS	EUROPE	ASIA	28	14	0	0	41
CARGO TONS	EUROPE	ASIA	152985	125296	0	0	278281
TRANSITS	EUROPE	C. AMERICA W.C.	0	308	0	0	308
CARGO TONS	EUROPE	C. AMERICA W.C.	0	25765	0	0	25765
TRANSITS	EUROPE	CANADA WEST COAST	1	0	0	0	1
CARGO TONS	EUROPE	CANADA WEST COAST	655	437	0	0	1092
TRANSITS	EUROPE	S. AMERICA W.C.	43	252	0	0	295
CARGO TONS	EUROPE	S. AMERICA W.C.	43102	235359	0	0	278461
TRANSITS	EUROPE	U.S. W.C., HAWAII	13	5	0	0	18
CARGO TONS	EUROPE	U.S. W.C., HAWAII	9366	6244	0	0	15610

2080 150,000 DWT Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Refrigerated Cargo Ships (Cont.)							
TRANSITS	MIDDLE EAST	S. AMERICA W.C.	2	1	0	0	3
CARGO TONS	MIDDLE EAST	S. AMERICA W.C.	3572	2381	0	0	5953
TRANSITS	S. AMERICA E.C.	ASIA	8	3	0	0	12
CARGO TONS	S. AMERICA E.C.	ASIA	37281	24854	0	0	62135
TRANSITS	S. AMERICA E.C.	S. AMERICA W.C.	6	3	0	0	9
CARGO TONS	S. AMERICA E.C.	S. AMERICA W.C.	8279	5519	0	0	13798
TRANSITS	U.S. EAST COAST	ASIA	5	40	0	0	46
CARGO TONS	U.S. EAST COAST	ASIA	20101	169210	0	0	189311
TRANSITS	U.S. EAST COAST	C. AMERICA W.C.	0	70	0	0	70
CARGO TONS	U.S. EAST COAST	C. AMERICA W.C.	0	195670	0	0	195670
TRANSITS	U.S. EAST COAST	S. AMERICA W.C.	25	397	0	0	423
CARGO TONS	U.S. EAST COAST	S. AMERICA W.C.	20376	871581	0	0	891957
TRANSITS	TOTAL	TOTAL	202	1292	0	0	1493
CARGO TONS	TOTAL	TOTAL	570191	1954803	0	0	2524994

2000 150,000 DWT Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Roll-On Roll-Off Ships							
TRANSITS	AFRICA	ASIA	0	0	0	0	0
CARGO TONS	AFRICA	ASIA	0	387	20	0	407
TRANSITS	AFRICA	OCEANIA	0	0	0	0	0
CARGO TONS	AFRICA	OCEANIA	0	1159	61	0	1220
TRANSITS	CANADA EAST COAST	ASIA	10	7	0	0	17
CARGO TONS	CANADA EAST COAST	ASIA	59277	25449	0	0	84726
TRANSITS	CANADA EAST COAST	OCEANIA	0	1	2	0	3
CARGO TONS	CANADA EAST COAST	OCEANIA	0	18611	42331	0	60942
TRANSITS	CENTRAL AMERICA E.C., W. INDIEC. AMERICA W.C.		1	0	0	0	1
CARGO TONS	CENTRAL AMERICA E.C., W. INDIEC. AMERICA W.C.		661	1292	0	0	1953
TRANSITS	CENTRAL AMERICA E.C., W. INDIEOCEANIA		0	7	0	0	7
CARGO TONS	CENTRAL AMERICA E.C., W. INDIEOCEANIA		0	19860	0	0	19860
TRANSITS	CENTRAL AMERICA E.C., W. INDIES. AMERICA W.C.		83	1	0	0	85
CARGO TONS	CENTRAL AMERICA E.C., W. INDIES. AMERICA W.C.		144249	4461	0	0	148710
TRANSITS	EUROPE	ASIA	0	3	0	0	3
CARGO TONS	EUROPE	ASIA	0	32136	2798	0	34934
TRANSITS	EUROPE	C. AMERICA W.C.	0	35	0	0	35
CARGO TONS	EUROPE	C. AMERICA W.C.	0	221443	0	0	221443
TRANSITS	EUROPE	OCEANIA	0	42	7	0	49
CARGO TONS	EUROPE	OCEANIA	0	569622	146918	0	716540
TRANSITS	EUROPE	S. AMERICA W.C.	0	0	0	0	0
CARGO TONS	EUROPE	S. AMERICA W.C.	0	470	0	0	470
TRANSITS	EUROPE	U.S. W.C., HAWAII	0	1	0	0	1
CARGO TONS	EUROPE	U.S. W.C., HAWAII	0	3016	0	0	3016
TRANSITS	MIDDLE EAST	OCEANIA	0	1	0	0	1
CARGO TONS	MIDDLE EAST	OCEANIA	0	5758	303	0	6061

2060 150,000 DWT Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Roll-On Roll-Off Ships (Cont.)							
TRANSITS	U.S. EAST COAST	ASIA	1	12	1	0	14
CARGO TONS	U.S. EAST COAST	ASIA	9510	72198	11080	0	92788
TRANSITS	U.S. EAST COAST	C. AMERICA W.C.	0	4	0	0	4
CARGO TONS	U.S. EAST COAST	C. AMERICA W.C.	0	6836	0	0	6836
TRANSITS	U.S. EAST COAST	OCEANIA	0	16	7	0	24
CARGO TONS	U.S. EAST COAST	OCEANIA	0	248939	162029	0	410968
TRANSITS	U.S. EAST COAST	S. AMERICA W.C.	56	1	0	0	57
CARGO TONS	U.S. EAST COAST	S. AMERICA W.C.	97863	3027	0	0	100890
TRANSITS	TOTAL	TOTAL	152	130	17	0	299
CARGO TONS	TOTAL	TOTAL	311560	1234663	365540	0	1911764

2060 150,000 DWT Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 149,999	TOTAL
Oil Tankers								
TRANSITS	AFRICA	U.S. W.C., HAWAII	0	0	0	0	0	0
CARGO TONS	AFRICA	U.S. W.C., HAWAII	0	0	202	0	0	202
TRANSITS	CANADA EAST COAST	ASIA	0	10	8	0	0	18
CARGO TONS	CANADA EAST COAST	ASIA	0	297807	409320	0	0	707127
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	ASIA	1	2	1	1	0	5
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	ASIA	3942	68396	38630	30007	0	140976
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	23	6	16	1	0	45
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	69306	104521	516785	59319	0	749931
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	S. AMERICA W.C.	13	30	4	0	0	46
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	S. AMERICA W.C.	47992	636708	202281	0	0	886981
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	0	1	3	0	0	5
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	673	39659	165415	22080	0	227827
TRANSITS	EUROPE	C. AMERICA W.C.	14	3	0	0	0	17
CARGO TONS	EUROPE	C. AMERICA W.C.	31485	47814	1649	0	0	80947
TRANSITS	EUROPE	OCEANIA	0	1	0	0	0	1
CARGO TONS	EUROPE	OCEANIA	0	33572	685	0	0	34257
TRANSITS	EUROPE	S. AMERICA W.C.	1	3	0	0	0	4
CARGO TONS	EUROPE	S. AMERICA W.C.	3498	76814	1645	0	0	81957
TRANSITS	EUROPE	U.S. W.C., HAWAII	0	3	1	0	0	4
CARGO TONS	EUROPE	U.S. W.C., HAWAII	0	81605	27621	0	0	109226
TRANSITS	MIDDLE EAST	U.S. W.C., HAWAII	0	0	0	0	0	0
CARGO TONS	MIDDLE EAST	U.S. W.C., HAWAII	0	112	2	0	0	114
TRANSITS	S. AMERICA E.C.	ASIA	0	2	0	0	98	100
CARGO TONS	S. AMERICA E.C.	ASIA	0	48731	995	0	14000000	14049725
TRANSITS	S. AMERICA E.C.	C. AMERICA W.C.	3	5	31	29	0	68
CARGO TONS	S. AMERICA E.C.	C. AMERICA W.C.	7157	120245	1203717	1799338	0	3130457

2060 150,000 DWT Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 149,999	TOTAL
Oil Tankers (Cont.)								
TRANSITS	S. AMERICA E.C.	S. AMERICA W.C.	2	2	7	1	0	12
CARGO TONS	S. AMERICA E.C.	S. AMERICA W.C.	4823	39983	378739	53965	0	477510
TRANSITS	S. AMERICA E.C.	U.S. W.C., HAWAII	0	15	11	1	0	27
CARGO TONS	S. AMERICA E.C.	U.S. W.C., HAWAII	0	404948	532221	40388	0	977557
TRANSITS	U.S. EAST COAST	ASIA	15	42	24	9	0	90
CARGO TONS	U.S. EAST COAST	ASIA	47896	1239457	1077131	581995	0	2946479
TRANSITS	U.S. EAST COAST	C. AMERICA W.C.	3	9	2	0	0	14
CARGO TONS	U.S. EAST COAST	C. AMERICA W.C.	11153	199754	49441	0	0	260348
TRANSITS	U.S. EAST COAST	CANADA WEST COAST	0	2	0	0	0	2
CARGO TONS	U.S. EAST COAST	CANADA WEST COAST	0	7191	147	0	0	7338
TRANSITS	U.S. EAST COAST	OCEANIA	0	3	1	0	0	4
CARGO TONS	U.S. EAST COAST	OCEANIA	0	92805	36204	0	0	129009
TRANSITS	U.S. EAST COAST	S. AMERICA W.C.	1	1	0	0	0	3
CARGO TONS	U.S. EAST COAST	S. AMERICA W.C.	2474	28390	18417	0	0	49280
TRANSITS	U.S. EAST COAST	U.S. W.C., HAWAII	0	17	3	1	0	21
CARGO TONS	U.S. EAST COAST	U.S. W.C., HAWAII	0	426122	147572	27645	0	601339
TRANSITS	TOTAL	TOTAL	76	156	113	42	98	485
CARGO TONS	TOTAL	TOTAL	230398	3994634	4808818	2614737	14000000	25648587

2080 150,000 DWT Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	TOTAL
Vehicle Carriers							
TRANSITS	CANADA EAST COAST	ASIA	0	1	0	0	1
CARGO TONS	CANADA EAST COAST	ASIA	0	2614	0	0	2614
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	0	8	0	0	8
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	0	3158	0	0	3158
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	OCEANIA	0	1	0	0	1
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	OCEANIA	0	187	0	0	187
TRANSITS	EUROPE	ASIA	0	6	0	0	6
CARGO TONS	EUROPE	ASIA	0	19066	0	0	19066
TRANSITS	EUROPE	CANADA WEST COAST	0	7	0	0	7
CARGO TONS	EUROPE	CANADA WEST COAST	0	16007	0	0	16007
TRANSITS	EUROPE	OCEANIA	0	1	0	0	1
CARGO TONS	EUROPE	OCEANIA	0	2545	0	0	2545
TRANSITS	EUROPE	U.S. W.C., HAWAII	5	151	0	0	156
CARGO TONS	EUROPE	U.S. W.C., HAWAII	5752	293421	0	0	299173
TRANSITS	U.S. EAST COAST	ASIA	0	42	0	0	42
CARGO TONS	U.S. EAST COAST	ASIA	0	192484	0	0	192484
TRANSITS	U.S. EAST COAST	OCEANIA	0	13	0	0	13
CARGO TONS	U.S. EAST COAST	OCEANIA	0	29712	0	0	29712
TRANSITS	TOTAL	TOTAL	5	229	0	0	234
CARGO TONS	TOTAL	TOTAL	5752	559194	0	0	564946

200,000 DWT 2020

Transits for the Following Ship Types are Unchanged from the 150,000 DWT 2020 Case.

Container - Breakbulk Ships
Chemical Tankers
Conventional General Cargo Ships
Full Container Ships
Liquified Petroleum Gas Carriers
Refrigerated Cargo Ships
Roll-On Roll-Off Ships
Vehicle Carriers

2020 200,000 DWT Vessel Transits

Laden Northbound

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 149,999	150,000 TO 199,999	200,000 TO 250,000	TOTAL
Combined and Dry Bulk Carriers										
TRANSITS	ASIA	AFRICA	0	1	0	0	0	0	0	1
CARGO TONS	ASIA	AFRICA	0	235	26	0	0	0	0	261
TRANSITS	ASIA	CANADA EAST COAST	0	3	4	1	0	0	0	8
CARGO TONS	ASIA	CANADA EAST COAST	0	69567	172689	60020	0	0	0	302276
TRANSITS	ASIA	CENTRAL AMERICA E.C., W. INDIE	0	18	0	2	0	0	0	21
CARGO TONS	ASIA	CENTRAL AMERICA E.C., W. INDIE	0	323527	3053	17988	0	0	0	344568
TRANSITS	ASIA	EUROPE	0	0	3	0	0	0	0	3
CARGO TONS	ASIA	EUROPE	0	0	113871	8293	0	0	0	122164
TRANSITS	ASIA	S. AMERICA E.C.	0	5	0	0	0	0	0	6
CARGO TONS	ASIA	S. AMERICA E.C.	0	129122	15191	7595	0	0	0	151908
TRANSITS	ASIA	U.S. EAST COAST	0	161	46	35	0	0	0	242
CARGO TONS	ASIA	U.S. EAST COAST	0	3211809	1508194	1624779	0	0	0	6344782
TRANSITS	C. AMERICA W.C.	AFRICA	0	1	0	0	0	0	0	1
CARGO TONS	C. AMERICA W.C.	AFRICA	0	28417	1971	3881	0	0	0	34269
TRANSITS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	0	30	1	3	0	0	0	34
CARGO TONS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	0	710341	37588	213470	0	0	0	961399
TRANSITS	C. AMERICA W.C.	EUROPE	0	12	2	2	0	0	0	16
CARGO TONS	C. AMERICA W.C.	EUROPE	0	299700	81088	81377	0	0	0	462165
TRANSITS	C. AMERICA W.C.	S. AMERICA E.C.	0	9	1	0	0	0	0	10
CARGO TONS	C. AMERICA W.C.	S. AMERICA E.C.	0	115874	13634	6817	0	0	0	136326
TRANSITS	C. AMERICA W.C.	U.S. EAST COAST	0	30	5	4	0	0	0	38
CARGO TONS	C. AMERICA W.C.	U.S. EAST COAST	0	879289	185615	226613	0	0	0	1291518
TRANSITS	CANADA WEST COAST	AFRICA	0	60	26	10	0	0	0	96
CARGO TONS	CANADA WEST COAST	AFRICA	0	1594949	1192725	712429	0	0	0	3500103
TRANSITS	CANADA WEST COAST	CENTRAL AMERICA E.C., W. INDIE	0	4	0	0	0	0	0	4
CARGO TONS	CANADA WEST COAST	CENTRAL AMERICA E.C., W. INDIE	0	89653	10547	5274	0	0	0	105474

2020 200,000 DWT Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 149,999	150,000 TO 199,999	200,000 TO 250,000	TOTAL
Combined and Dry Bulk Carriers (Cont.)										
TRANSITS	CANADA WEST COAST	EUROPE	0	95	94	28	7	13	0	238
CARGO TONS	CANADA WEST COAST	EUROPE	0	2512535	4196443	1871424	778156	1815697	0	11174255
TRANSITS	CANADA WEST COAST	MIDDLE EAST	0	8	10	2	0	0	0	21
CARGO TONS	CANADA WEST COAST	MIDDLE EAST	0	254437	512709	188872	0	0	0	956018
TRANSITS	CANADA WEST COAST	S. AMERICA E.C.	0	9	3	3	4	3	0	23
CARGO TONS	CANADA WEST COAST	S. AMERICA E.C.	0	228500	145062	195143	402434	402434	0	1373574
TRANSITS	CANADA WEST COAST	U.S. EAST COAST	0	59	4	1	0	0	0	64
CARGO TONS	CANADA WEST COAST	U.S. EAST COAST	0	1333984	156939	78470	0	0	0	1569393
TRANSITS	OCEANIA	AFRICA	0	1	0	0	0	0	0	1
CARGO TONS	OCEANIA	AFRICA	0	4550	506	0	0	0	0	5055
TRANSITS	OCEANIA	CANADA EAST COAST	0	20	1	0	0	0	0	22
CARGO TONS	OCEANIA	CANADA EAST COAST	0	561530	66062	33031	0	0	0	660623
TRANSITS	OCEANIA	CENTRAL AMERICA E.C., W. INDIE	0	6	0	0	0	0	0	6
CARGO TONS	OCEANIA	CENTRAL AMERICA E.C., W. INDIE	0	140924	16579	8290	0	0	0	165793
TRANSITS	OCEANIA	EUROPE	0	9	1	0	0	0	0	10
CARGO TONS	OCEANIA	EUROPE	0	222027	26121	13060	0	0	0	261208
TRANSITS	OCEANIA	S. AMERICA E.C.	0	0	4	9	0	0	0	12
CARGO TONS	OCEANIA	S. AMERICA E.C.	0	0	125055	538328	0	0	0	663383
TRANSITS	OCEANIA	U.S. EAST COAST	0	14	47	58	0	0	0	119
CARGO TONS	OCEANIA	U.S. EAST COAST	0	372852	2123622	3909994	0	0	0	6406467
TRANSITS	S. AMERICA W.C.	AFRICA	0	1	2	0	0	0	0	3
CARGO TONS	S. AMERICA W.C.	AFRICA	0	30068	94650	32588	0	0	0	157306
TRANSITS	S. AMERICA W.C.	CANADA EAST COAST	0	0	0	0	0	0	0	0
CARGO TONS	S. AMERICA W.C.	CANADA EAST COAST	0	8768	1032	516	0	0	0	10315
TRANSITS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	0	7	0	0	0	0	0	7
CARGO TONS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	0	122445	14405	7203	0	0	0	144053

2020 200,000 DWT Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 149,999	150,000 TO 199,999	200,000 TO 250,000	TOTAL
Combined and Dry Bulk Carriers (Cont.)										
TRANSITS	S. AMERICA W.C.	EUROPE	0	135	28	4	9	13	0	189
CARGO TONS	S. AMERICA W.C.	EUROPE	0	3673209	1246339	256448	1044833	1857481	0	8078311
TRANSITS	S. AMERICA W.C.	MIDDLE EAST	0	0	0	0	0	0	0	0
CARGO TONS	S. AMERICA W.C.	MIDDLE EAST	0	4385	487	0	0	0	0	4872
TRANSITS	S. AMERICA W.C.	S. AMERICA E.C.	0	7	0	0	0	0	0	7
CARGO TONS	S. AMERICA W.C.	S. AMERICA E.C.	0	169410	19931	9965	0	0	0	199306
TRANSITS	S. AMERICA W.C.	U.S. EAST COAST	0	46	7	1	0	0	0	54
CARGO TONS	S. AMERICA W.C.	U.S. EAST COAST	0	1317329	325163	89233	0	0	0	1731725
TRANSITS	U.S. W.C., HAWAII	AFRICA	0	50	54	17	0	0	0	121
CARGO TONS	U.S. W.C., HAWAII	AFRICA	0	1257953	2245995	1094656	0	0	0	4598603
TRANSITS	U.S. W.C., HAWAII	CANADA EAST COAST	0	6	0	1	0	0	0	7
CARGO TONS	U.S. W.C., HAWAII	CANADA EAST COAST	0	156737	14971	45537	0	0	0	217245
TRANSITS	U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIE	0	2	0	0	0	0	0	2
CARGO TONS	U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIE	0	40439	4758	2379	0	0	0	47575
TRANSITS	U.S. W.C., HAWAII	EUROPE	0	34	69	37	0	0	0	140
CARGO TONS	U.S. W.C., HAWAII	EUROPE	0	917174	3176139	2430991	0	0	0	6524304
TRANSITS	U.S. W.C., HAWAII	S. AMERICA E.C.	0	10	1	0	0	0	0	11
CARGO TONS	U.S. W.C., HAWAII	S. AMERICA E.C.	0	236879	27868	13934	0	0	0	278681
TRANSITS	U.S. W.C., HAWAII	U.S. EAST COAST	0	5	1	1	0	0	0	7
CARGO TONS	U.S. W.C., HAWAII	U.S. EAST COAST	0	163829	10388	8905	0	0	0	183121
TRANSITS	TOTAL	TOTAL	0	859	415	221	20	29	0	1545
CARGO TONS	TOTAL	TOTAL	0	21182447	17885406	13797500	2225423	4075612	0	59168399

2020 200,000 DWT Vessel Transits

Laden Southbound

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 149,999	150,000 TO 199,999	200,000 TO 250,000	TOTAL
Combined and Dry Bulk Carriers										
TRANSITS	AFRICA	C. AMERICA W.C.	0	13	1	0	0	0	0	15
CARGO TONS	AFRICA	C. AMERICA W.C.	0	410930	48345	24172	0	0	0	483447
TRANSITS	AFRICA	CANADA WEST COAST	0	23	7	3	0	0	0	34
CARGO TONS	AFRICA	CANADA WEST COAST	0	734860	348663	270673	0	0	0	1354196
TRANSITS	AFRICA	OCEANIA	0	5	2	0	0	0	0	7
CARGO TONS	AFRICA	OCEANIA	0	141414	100224	12686	0	0	0	254324
TRANSITS	AFRICA	S. AMERICA W.C.	0	4	0	0	0	0	0	5
CARGO TONS	AFRICA	S. AMERICA W.C.	0	108887	12810	6405	0	0	0	128102
TRANSITS	AFRICA	U.S. W.C., HAWAII	0	4	3	0	0	0	0	7
CARGO TONS	AFRICA	U.S. W.C., HAWAII	0	53915	98283	8997	0	0	0	161194
TRANSITS	CANADA EAST COAST	ASIA	0	47	25	2	5	10	0	89
CARGO TONS	CANADA EAST COAST	ASIA	0	1306139	1078702	112914	464659	1256302	0	4218716
TRANSITS	CANADA EAST COAST	OCEANIA	0	3	0	0	0	0	0	3
CARGO TONS	CANADA EAST COAST	OCEANIA	0	49256	2639	6094	0	0	0	57989
TRANSITS	CANADA EAST COAST	S. AMERICA W.C.	0	4	1	0	0	0	0	6
CARGO TONS	CANADA EAST COAST	S. AMERICA W.C.	0	109710	45181	7660	0	0	0	162552
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	ASIA	0	19	1	0	0	0	0	21
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	ASIA	0	543201	63906	31953	0	0	0	639060
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	0	23	2	1	0	0	0	25
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	0	579358	68160	34080	0	0	0	681598
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	CANADA WEST COAST	0	2	0	0	0	0	0	2
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	CANADA WEST COAST	0	49133	5459	0	0	0	0	54592
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	OCEANIA	0	0	0	0	0	0	0	1
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	OCEANIA	0	9859	1095	0	0	0	0	10954
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	S. AMERICA W.C.	0	11	1	0	0	0	0	12
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	S. AMERICA W.C.	0	265628	31250	15625	0	0	0	312504

2020 200,000 DWT Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 149,999	150,000 TO 199,999	200,000 TO 250,000	TOTAL
Combined and Dry Bulk Carriers (Cont.)										
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	0	8	1	0	0	0	0	9
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	0	200207	23554	11777	0	0	0	235538
TRANSITS	EUROPE	ASIA	0	5	3	0	0	0	0	8
CARGO TONS	EUROPE	ASIA	0	105734	132709	12617	0	0	0	251060
TRANSITS	EUROPE	C. AMERICA W.C.	0	28	1	1	0	0	0	30
CARGO TONS	EUROPE	C. AMERICA W.C.	0	677145	39832	79664	0	0	0	796641
TRANSITS	EUROPE	CANADA WEST COAST	0	8	2	1	0	0	0	11
CARGO TONS	EUROPE	CANADA WEST COAST	0	138624	80992	66450	0	0	0	286066
TRANSITS	EUROPE	OCEANIA	0	5	0	0	0	0	0	6
CARGO TONS	EUROPE	OCEANIA	0	124908	14695	7348	0	0	0	146951
TRANSITS	EUROPE	S. AMERICA W.C.	0	11	1	0	0	0	0	12
CARGO TONS	EUROPE	S. AMERICA W.C.	0	253170	29785	14892	0	0	0	297847
TRANSITS	EUROPE	U.S. W.C., HAWAII	0	82	23	12	0	0	0	116
CARGO TONS	EUROPE	U.S. W.C., HAWAII	0	1574327	852852	674705	0	0	0	3101883
TRANSITS	MIDDLE EAST	S. AMERICA W.C.	0	0	1	0	0	0	0	1
CARGO TONS	MIDDLE EAST	S. AMERICA W.C.	0	0	52140	0	0	0	0	52140
TRANSITS	S. AMERICA E.C.	ASIA	0	47	17	5	38	86	0	192
CARGO TONS	S. AMERICA E.C.	ASIA	0	1265349	759850	358737	4392594	12536499	0	19313030
TRANSITS	S. AMERICA E.C.	C. AMERICA W.C.	0	7	1	0	0	0	0	8
CARGO TONS	S. AMERICA E.C.	C. AMERICA W.C.	0	210072	24700	12350	0	0	0	247122
TRANSITS	S. AMERICA E.C.	CANADA WEST COAST	0	2	0	0	0	0	0	3
CARGO TONS	S. AMERICA E.C.	CANADA WEST COAST	0	56294	6623	3311	0	0	0	66228
TRANSITS	S. AMERICA E.C.	S. AMERICA W.C.	0	26	1	3	0	0	0	30
CARGO TONS	S. AMERICA E.C.	S. AMERICA W.C.	0	653004	42024	142965	0	0	0	837993
TRANSITS	S. AMERICA E.C.	U.S. W.C., HAWAII	0	12	4	11	0	0	0	28
CARGO TONS	S. AMERICA E.C.	U.S. W.C., HAWAII	0	308772	170574	649067	0	0	0	1128413

2020 200,000 DWT Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 149,999	150,000 TO 199,999	200,000 TO 250,000	TOTAL
Combined and Dry Bulk Carriers (Cont.)										
TRANSITS	U.S. EAST COAST	ASIA	0	206	759	119	517	0	0	1601
CARGO TONS	U.S. EAST COAST	ASIA	0	5824311	34793035	7856819	55855323	0	0	104329488
TRANSITS	U.S. EAST COAST	C. AMERICA W.C.	0	181	21	5	0	0	0	207
CARGO TONS	U.S. EAST COAST	C. AMERICA W.C.	0	5139092	820991	271851	0	0	0	6231934
TRANSITS	U.S. EAST COAST	CANADA WEST COAST	0	1	0	0	0	0	0	1
CARGO TONS	U.S. EAST COAST	CANADA WEST COAST	0	18611	5348	5963	0	0	0	29923
TRANSITS	U.S. EAST COAST	OCEANIA	0	17	3	1	0	0	0	21
CARGO TONS	U.S. EAST COAST	OCEANIA	0	471034	116170	58347	0	0	0	645551
TRANSITS	U.S. EAST COAST	S. AMERICA W.C.	0	44	5	1	0	0	0	53
CARGO TONS	U.S. EAST COAST	S. AMERICA W.C.	0	1169112	217071	69882	0	0	0	1456066
TRANSITS	U.S. EAST COAST	U.S. W.C., HAWAII	0	1	0	0	0	0	0	1
CARGO TONS	U.S. EAST COAST	U.S. W.C., HAWAII	0	315	37	19	0	0	0	371
TRANSITS	TOTAL	TOTAL	0	850	886	168	560	95	0	2559
CARGO TONS	TOTAL	TOTAL	0	22676736	40087700	10828023	60712576	13792801	0	148097836

2020 200,000 DWT Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 149,999	150,000 TO 199,999	TOTAL
Oil Tankers									
TRANSITS	AFRICA	U.S. W.C., HAWAII	0	0	0	0	0	0	0
CARGO TONS	AFRICA	U.S. W.C., HAWAII	0	0	202	0	0	0	202
TRANSITS	CANADA EAST COAST	ASIA	0	6	4	0	0	0	10
CARGO TONS	CANADA EAST COAST	ASIA	0	165380	227307	0	0	0	392687
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	ASIA	1	3	1	1	0	0	6
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	ASIA	5029	87251	49280	38279	0	0	179840
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	40	15	33	6	0	0	93
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	121224	263574	1079544	297464	0	0	1761806
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	S. AMERICA W.C.	7	30	4	0	0	0	41
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	S. AMERICA W.C.	26014	641009	211485	0	0	0	878508
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	1	4	11	1	0	0	17
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	2108	109296	525048	75778	0	0	712230
TRANSITS	EUROPE	C. AMERICA W.C.	10	2	0	0	0	0	12
CARGO TONS	EUROPE	C. AMERICA W.C.	21081	32015	1104	0	0	0	54200
TRANSITS	EUROPE	OCEANIA	0	1	0	0	0	0	1
CARGO TONS	EUROPE	OCEANIA	0	23588	481	0	0	0	24069
TRANSITS	EUROPE	S. AMERICA W.C.	1	2	0	0	0	0	2
CARGO TONS	EUROPE	S. AMERICA W.C.	2226	48890	1047	0	0	0	52163
TRANSITS	EUROPE	U.S. W.C., HAWAII	0	5	1	0	0	0	6
CARGO TONS	EUROPE	U.S. W.C., HAWAII	0	146157	49470	0	0	0	195627
TRANSITS	MIDDLE EAST	U.S. W.C., HAWAII	0	0	0	0	0	0	0
CARGO TONS	MIDDLE EAST	U.S. W.C., HAWAII	0	112	2	0	0	0	114
TRANSITS	S. AMERICA E.C.	ASIA	0	5	0	0	0	76	81
CARGO TONS	S. AMERICA E.C.	ASIA	0	144387	2947	0	0	14000000	14147334
TRANSITS	S. AMERICA E.C.	C. AMERICA W.C.	4	5	22	54	0	0	85
CARGO TONS	S. AMERICA E.C.	C. AMERICA W.C.	9941	117894	879279	3335196	0	0	4342311

2020 200,000 DWT Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 149,999	150,000 TO 199,999	TOTAL
Oil Tankers (Cont.)									
TRANSITS	S. AMERICA E.C.	S. AMERICA W.C.	6	5	22	5	0	0	38
CARGO TONS	S. AMERICA E.C.	S. AMERICA W.C.	16551	122775	1101266	400442	0	0	1641035
TRANSITS	S. AMERICA E.C.	U.S. W.C., HAWAII	0	29	9	11	0	0	49
CARGO TONS	S. AMERICA E.C.	U.S. W.C., HAWAII	0	797811	411650	757872	0	0	1967334
TRANSITS	U.S. EAST COAST	ASIA	13	36	22	9	0	0	80
CARGO TONS	U.S. EAST COAST	ASIA	43329	1061682	1000330	549446	0	0	2654786
TRANSITS	U.S. EAST COAST	C. AMERICA W.C.	8	20	5	0	0	0	33
CARGO TONS	U.S. EAST COAST	C. AMERICA W.C.	25560	471555	116544	0	0	0	613659
TRANSITS	U.S. EAST COAST	CANADA WEST COAST	0	1	0	0	0	0	1
CARGO TONS	U.S. EAST COAST	CANADA WEST COAST	0	4276	87	0	0	0	4363
TRANSITS	U.S. EAST COAST	OCEANIA	0	5	1	0	0	0	6
CARGO TONS	U.S. EAST COAST	OCEANIA	0	138406	53993	0	0	0	192399
TRANSITS	U.S. EAST COAST	S. AMERICA W.C.	3	4	1	0	0	0	8
CARGO TONS	U.S. EAST COAST	S. AMERICA W.C.	7421	99880	39578	0	0	0	146879
TRANSITS	U.S. EAST COAST	U.S. W.C., HAWAII	0	24	5	1	0	0	30
CARGO TONS	U.S. EAST COAST	U.S. W.C., HAWAII	0	621191	215127	40300	0	0	876618
TRANSITS	TOTAL	TOTAL	94	201	141	87	0	76	599
CARGO TONS	TOTAL	TOTAL	280485	5097128	5965772	5494779	0	14000000	30838164

200,000 DWT 2060

Transits for the Following Ship Types are Unchanged from the 150,000 DWT 2060 Case.

Container - Breakbulk Ships
Chemical Tankers
Conventional General Cargo Ships
Full Container Ships
Liquified Petroleum Gas Carriers
Refrigerated Cargo Ships
Roll-On Roll-Off Ships
Oil Tankers, Northbound
Vehicle Carriers

2060 200,000 DWT Vessel Transits

Laden Northbound

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 149,999	150,000 TO 199,999	200,000 TO 250,000	TOTAL
Combined and Dry Bulk Carriers										
TRANSITS	ASIA	AFRICA	0	1	0	0	0	0	0	2
CARGO TONS	ASIA	AFRICA	0	384	51	77	0	0	0	512
TRANSITS	ASIA	CANADA EAST COAST	0	3	10	2	0	0	0	15
CARGO TONS	ASIA	CANADA EAST COAST	0	88984	460500	145326	0	0	0	694810
TRANSITS	ASIA	CENTRAL AMERICA E.C., W. INDIE	0	24	3	3	0	0	0	29
CARGO TONS	ASIA	CENTRAL AMERICA E.C., W. INDIE	0	476011	18864	31961	0	0	0	526836
TRANSITS	ASIA	EUROPE	0	0	3	0	0	0	0	4
CARGO TONS	ASIA	EUROPE	0	0	140942	30792	0	0	0	171734
TRANSITS	ASIA	S. AMERICA E.C.	0	5	0	1	0	0	0	5
CARGO TONS	ASIA	S. AMERICA E.C.	0	128793	6869	36062	0	0	0	171724
TRANSITS	ASIA	U.S. EAST COAST	0	216	109	61	0	0	0	386
CARGO TONS	ASIA	U.S. EAST COAST	0	4901951	4007076	3225112	0	0	0	12134139
TRANSITS	C. AMERICA W.C.	AFRICA	0	1	0	0	0	0	0	2
CARGO TONS	C. AMERICA W.C.	AFRICA	0	39508	6032	6612	0	0	0	52152
TRANSITS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	0	51	6	6	0	0	0	63
CARGO TONS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	0	1372287	297018	498130	0	0	0	2167435
TRANSITS	C. AMERICA W.C.	EUROPE	0	12	4	2	0	0	0	19
CARGO TONS	C. AMERICA W.C.	EUROPE	0	345103	162609	118040	0	0	0	625752
TRANSITS	C. AMERICA W.C.	S. AMERICA E.C.	0	14	0	2	0	0	0	16
CARGO TONS	C. AMERICA W.C.	S. AMERICA E.C.	0	200878	10713	56246	0	0	0	267837
TRANSITS	C. AMERICA W.C.	U.S. EAST COAST	0	33	9	5	0	0	0	47
CARGO TONS	C. AMERICA W.C.	U.S. EAST COAST	0	1084605	420903	348241	0	0	0	1853749
TRANSITS	CANADA WEST COAST	AFRICA	0	90	65	20	0	0	0	175
CARGO TONS	CANADA WEST COAST	AFRICA	0	2736275	3330597	1622490	0	0	0	7689362
TRANSITS	CANADA WEST COAST	CENTRAL AMERICA E.C., W. INDIE	0	8	0	1	0	0	0	9
CARGO TONS	CANADA WEST COAST	CENTRAL AMERICA E.C., W. INDIE	0	202371	10798	56689	0	0	0	269857

2060 200,000 DWT Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 149,999	150,000 TO 199,999	200,000 TO 250,000	TOTAL
Combined and Dry Bulk Carriers (Cont.)										
TRANSITS	CANADA WEST COAST	EUROPE	0	78	158	53	0	13	0	301
CARGO TONS	CANADA WEST COAST	EUROPE	0	2338155	7756997	4009537	0	1838862	0	15943551
TRANSITS	CANADA WEST COAST	MIDDLE EAST	0	13	33	7	0	0	0	53
CARGO TONS	CANADA WEST COAST	MIDDLE EAST	0	464940	1787501	593087	0	0	0	2845528
TRANSITS	CANADA WEST COAST	S. AMERICA E.C.	0	11	7	5	0	7	0	29
CARGO TONS	CANADA WEST COAST	S. AMERICA E.C.	0	292277	337989	340489	0	849041	0	1819796
TRANSITS	CANADA WEST COAST	U.S. EAST COAST	0	92	3	10	0	0	0	105
CARGO TONS	CANADA WEST COAST	U.S. EAST COAST	0	2387218	127318	668421	0	0	0	3182957
TRANSITS	OCEANIA	AFRICA	0	1	0	0	0	0	0	1
CARGO TONS	OCEANIA	AFRICA	0	7844	1046	1569	0	0	0	10458
TRANSITS	OCEANIA	CANADA EAST COAST	0	20	1	2	0	0	0	23
CARGO TONS	OCEANIA	CANADA EAST COAST	0	644234	34359	180386	0	0	0	858979
TRANSITS	OCEANIA	CENTRAL AMERICA E.C., W. INDIE	0	13	0	1	0	0	0	14
CARGO TONS	OCEANIA	CENTRAL AMERICA E.C., W. INDIE	0	351554	18750	98435	0	0	0	468739
TRANSITS	OCEANIA	EUROPE	0	11	0	1	0	0	0	13
CARGO TONS	OCEANIA	EUROPE	0	324729	17319	90924	0	0	0	432972
TRANSITS	OCEANIA	S. AMERICA E.C.	0	0	1	1	0	0	0	2
CARGO TONS	OCEANIA	S. AMERICA E.C.	0	0	23297	62943	0	0	0	86240
TRANSITS	OCEANIA	U.S. EAST COAST	0	0	19	17	0	0	0	36
CARGO TONS	OCEANIA	U.S. EAST COAST	0	0	936975	1280641	0	0	0	2217616
TRANSITS	S. AMERICA W.C.	AFRICA	0	1	3	1	0	0	0	5
CARGO TONS	S. AMERICA W.C.	AFRICA	0	30303	202662	63436	0	0	0	296401
TRANSITS	S. AMERICA W.C.	CANADA EAST COAST	0	1	0	0	0	0	0	1
CARGO TONS	S. AMERICA W.C.	CANADA EAST COAST	0	18245	973	5108	0	0	0	24326
TRANSITS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	0	10	0	1	0	0	0	12
CARGO TONS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	0	207873	11087	58204	0	0	0	277164

2080 200,000 DWT Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 149,999	150,000 TO 199,999	200,000 TO 250,000	TOTAL
Combined and Dry Bulk Carriers (Cont.)										
TRANSITS	S. AMERICA W.C.	EUROPE	0	180	33	24	0	13	0	251
CARGO TONS	S. AMERICA W.C.	EUROPE	0	5595389	1660630	1910789	0	1946402	0	11113210
TRANSITS	S. AMERICA W.C.	MIDDLE EAST	0	0	0	0	0	0	0	0
CARGO TONS	S. AMERICA W.C.	MIDDLE EAST	0	4019	536	804	0	0	0	5359
TRANSITS	S. AMERICA W.C.	S. AMERICA E.C.	0	9	0	1	0	0	0	11
CARGO TONS	S. AMERICA W.C.	S. AMERICA E.C.	0	271621	14486	76054	0	0	0	362161
TRANSITS	S. AMERICA W.C.	U.S. EAST COAST	0	72	12	6	0	0	0	91
CARGO TONS	S. AMERICA W.C.	U.S. EAST COAST	0	2362555	670530	552029	0	0	0	3585114
TRANSITS	U.S. W.C., HAWAII	AFRICA	0	55	113	31	0	0	0	198
CARGO TONS	U.S. W.C., HAWAII	AFRICA	0	1562414	5218561	2236855	0	0	0	9017830
TRANSITS	U.S. W.C., HAWAII	CANADA EAST COAST	0	4	1	1	0	0	0	5
CARGO TONS	U.S. W.C., HAWAII	CANADA EAST COAST	0	130693	34232	46155	0	0	0	211081
TRANSITS	U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIE	0	1	0	0	0	0	0	1
CARGO TONS	U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIE	0	22706	1211	6358	0	0	0	30275
TRANSITS	U.S. W.C., HAWAII	EUROPE	0	12	107	49	0	0	0	168
CARGO TONS	U.S. W.C., HAWAII	EUROPE	0	377075	5503520	3624091	0	0	0	9504686
TRANSITS	U.S. W.C., HAWAII	S. AMERICA E.C.	0	12	0	1	0	0	0	13
CARGO TONS	U.S. W.C., HAWAII	S. AMERICA E.C.	0	327313	17457	91648	0	0	0	436417
TRANSITS	U.S. W.C., HAWAII	U.S. EAST COAST	0	5	2	1	0	0	0	8
CARGO TONS	U.S. W.C., HAWAII	U.S. EAST COAST	0	182519	19473	12648	0	0	0	214640
TRANSITS	TOTAL	TOTAL	0	1059	706	316	0	33	0	2114
CARGO TONS	TOTAL	TOTAL	0	29480826	33269882	22186386	0	4634305	0	89571399

2060 200,000 DWT Vessel Transits

Laden Southbound

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 149,999	150,000 TO 199,999	200,000 TO 250,000	TOTAL
Combined and Dry Bulk Carriers										
TRANSITS	AFRICA	C. AMERICA W.C.	0	26	1	3	0	0	0	29
CARGO TONS	AFRICA	C. AMERICA W.C.	0	912526	36021	252145	0	0	0	1200692
TRANSITS	AFRICA	CANADA WEST COAST	0	97	37	23	0	0	0	156
CARGO TONS	AFRICA	CANADA WEST COAST	0	3460490	2121341	2063069	0	0	0	7644900
TRANSITS	AFRICA	OCEANIA	0	18	8	3	0	0	0	30
CARGO TONS	AFRICA	OCEANIA	0	603897	420318	271566	0	0	0	1295781
TRANSITS	AFRICA	S. AMERICA W.C.	0	8	0	1	0	0	0	9
CARGO TONS	AFRICA	S. AMERICA W.C.	0	238062	9397	65780	0	0	0	313240
TRANSITS	AFRICA	U.S. W.C., HAWAII	0	5	4	1	0	0	0	10
CARGO TONS	AFRICA	U.S. W.C., HAWAII	0	85800	136027	75167	0	0	0	296994
TRANSITS	CANADA EAST COAST	ASIA	0	56	30	19	0	24	0	129
CARGO TONS	CANADA EAST COAST	ASIA	0	1749717	1424400	1326739	0	3033656	0	7534511
TRANSITS	CANADA EAST COAST	OCEANIA	0	5	1	1	0	0	0	7
CARGO TONS	CANADA EAST COAST	OCEANIA	0	104407	7880	19956	0	0	0	132243
TRANSITS	CANADA EAST COAST	S. AMERICA W.C.	0	9	2	1	0	0	0	12
CARGO TONS	CANADA EAST COAST	S. AMERICA W.C.	0	249973	91013	84982	0	0	0	425969
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	ASIA	0	19	0	2	0	0	0	22
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	ASIA	0	614081	24240	169680	0	0	0	808001
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	0	43	1	5	0	0	0	49
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	0	1253960	49498	346489	0	0	0	1649947
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	CANADA WEST COAST	0	3	0	0	0	0	0	3
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	CANADA WEST COAST	0	80056	3160	22121	0	0	0	105337
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	OCEANIA	0	1	0	0	0	0	0	1
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	OCEANIA	0	16650	657	4601	0	0	0	21908
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	S. AMERICA W.C.	0	21	1	2	0	0	0	24
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	S. AMERICA W.C.	0	557847	22020	154142	0	0	0	734009

2060 200,000 DWT Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 149,999	150,000 TO 199,999	200,000 TO 250,000	TOTAL
Combined and Dry Bulk Carriers (Cont.)										
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	0	8	0	1	0	0	0	9
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	0	217699	8593	60154	0	0	0	286446
TRANSITS	EUROPE	ASIA	0	5	4	1	0	0	0	11
CARGO TONS	EUROPE	ASIA	0	136488	188513	86833	0	0	0	411834
TRANSITS	EUROPE	C. AMERICA W.C.	0	45	1	5	0	0	0	51
CARGO TONS	EUROPE	C. AMERICA W.C.	0	1236724	48818	341726	0	0	0	1627268
TRANSITS	EUROPE	CANADA WEST COAST	0	8	3	2	0	0	0	12
CARGO TONS	EUROPE	CANADA WEST COAST	0	161624	121902	124782	0	0	0	408308
TRANSITS	EUROPE	OCEANIA	0	6	0	1	0	0	0	7
CARGO TONS	EUROPE	OCEANIA	0	183249	7234	50635	0	0	0	241117
TRANSITS	EUROPE	S. AMERICA W.C.	0	15	0	2	0	0	0	16
CARGO TONS	EUROPE	S. AMERICA W.C.	0	390271	15405	107838	0	0	0	513515
TRANSITS	EUROPE	U.S. W.C., HAWAII	0	89	33	20	0	0	0	142
CARGO TONS	EUROPE	U.S. W.C., HAWAII	0	1955868	1368439	1354357	0	0	0	4678664
TRANSITS	MIDDLE EAST	S. AMERICA W.C.	0	0	2	0	0	0	0	2
CARGO TONS	MIDDLE EAST	S. AMERICA W.C.	0	0	86553	17728	0	0	0	104281
TRANSITS	S. AMERICA E.C.	ASIA	0	37	15	9	0	56	0	116
CARGO TONS	S. AMERICA E.C.	ASIA	0	1130378	739394	693249	0	8269691	0	10832712
TRANSITS	S. AMERICA E.C.	C. AMERICA W.C.	0	10	0	1	0	0	0	12
CARGO TONS	S. AMERICA E.C.	C. AMERICA W.C.	0	335499	13235	92644	0	0	0	441378
TRANSITS	S. AMERICA E.C.	CANADA WEST COAST	0	3	0	0	0	0	0	3
CARGO TONS	S. AMERICA E.C.	CANADA WEST COAST	0	73661	2908	20354	0	0	0	96923
TRANSITS	S. AMERICA E.C.	S. AMERICA W.C.	0	31	2	5	0	0	0	39
CARGO TONS	S. AMERICA E.C.	S. AMERICA W.C.	0	903130	88666	303846	0	0	0	1295642
TRANSITS	S. AMERICA E.C.	U.S. W.C., HAWAII	0	11	6	17	0	0	0	34
CARGO TONS	S. AMERICA E.C.	U.S. W.C., HAWAII	0	306655	300828	1114435	0	0	0	1721918

2060 200,000 DWT Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 149,999	150,000 TO 199,999	200,000 TO 250,000	TOTAL
Combined and Dry Bulk Carriers (Cont.)										
TRANSITS	U.S. EAST COAST	ASIA	0	0	692	394	0	543	0	1629
CARGO TONS	U.S. EAST COAST	ASIA	0	0	35140032	29566193	0	75167305	0	139873529
TRANSITS	U.S. EAST COAST	C. AMERICA W.C.	0	322	6	47	0	0	0	375
CARGO TONS	U.S. EAST COAST	C. AMERICA W.C.	0	10395716	260285	3346523	0	0	0	14002524
TRANSITS	U.S. EAST COAST	CANADA WEST COAST	0	0	0	0	0	0	0	0
CARGO TONS	U.S. EAST COAST	CANADA WEST COAST	0	0	0	0	0	0	0	0
TRANSITS	U.S. EAST COAST	OCEANIA	0	18	2	3	0	0	0	23
CARGO TONS	U.S. EAST COAST	OCEANIA	0	585613	99125	224714	0	0	0	909451
TRANSITS	U.S. EAST COAST	S. AMERICA W.C.	0	70	2	10	0	0	0	82
CARGO TONS	U.S. EAST COAST	S. AMERICA W.C.	0	2105364	71846	766351	0	0	0	2943561
TRANSITS	U.S. EAST COAST	U.S. W.C., HAWAII	0	0	0	0	0	0	0	1
CARGO TONS	U.S. EAST COAST	U.S. W.C., HAWAII	0	282	11	78	0	0	0	371
TRANSITS	TOTAL	TOTAL	0	989	852	580	0	623	0	3044
CARGO TONS	TOTAL	TOTAL	0	30045688	42858516	43062199	0	86470652	0	202437055

2060 200,000 DWT Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 149,999	150,000 TO 199,999	TOTAL
Oil Tankers									
TRANSITS	AFRICA	U.S. W.C., HAWAII	0	0	0	0	0	0	0
CARGO TONS	AFRICA	U.S. W.C., HAWAII	0	0	202	0	0	0	202
TRANSITS	CANADA EAST COAST	ASIA	0	10	8	0	0	0	18
CARGO TONS	CANADA EAST COAST	ASIA	0	297807	409320	0	0	0	707127
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	ASIA	1	2	1	1	0	0	5
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	ASIA	3942	68396	38630	30007	0	0	140976
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	23	6	16	1	0	0	45
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	69306	104521	516785	59319	0	0	749931
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	S. AMERICA W.C.	13	30	4	0	0	0	46
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	S. AMERICA W.C.	47992	636708	202281	0	0	0	886981
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	0	1	3	0	0	0	5
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	673	39659	165415	22080	0	0	227827
TRANSITS	EUROPE	C. AMERICA W.C.	14	3	0	0	0	0	17
CARGO TONS	EUROPE	C. AMERICA W.C.	31485	47814	1649	0	0	0	80947
TRANSITS	EUROPE	OCEANIA	0	1	0	0	0	0	1
CARGO TONS	EUROPE	OCEANIA	0	33572	685	0	0	0	34257
TRANSITS	EUROPE	S. AMERICA W.C.	1	3	0	0	0	0	4
CARGO TONS	EUROPE	S. AMERICA W.C.	3498	76814	1645	0	0	0	81957
TRANSITS	EUROPE	U.S. W.C., HAWAII	0	3	1	0	0	0	4
CARGO TONS	EUROPE	U.S. W.C., HAWAII	0	81605	27621	0	0	0	109226
TRANSITS	MIDDLE EAST	U.S. W.C., HAWAII	0	0	0	0	0	0	0
CARGO TONS	MIDDLE EAST	U.S. W.C., HAWAII	0	112	2	0	0	0	114
TRANSITS	S. AMERICA E.C.	ASIA	0	2	0	0	0	76	77
CARGO TONS	S. AMERICA E.C.	ASIA	0	48731	995	0	0	14000000	14049725
TRANSITS	S. AMERICA E.C.	C. AMERICA W.C.	3	5	31	29	0	0	68
CARGO TONS	S. AMERICA E.C.	C. AMERICA W.C.	7157	120245	1203717	1799338	0	0	3130457

2060 200,000 DWT Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 149,999	150,000 TO 199,999	TOTAL
Oil Tankers (Cont.)									
TRANSITS	S. AMERICA E.C.	S. AMERICA W.C.	2	2	7	1	0	0	12
CARGO TONS	S. AMERICA E.C.	S. AMERICA W.C.	4823	39983	378739	53965	0	0	477510
TRANSITS	S. AMERICA E.C.	U.S. W.C., HAWAII	0	15	11	1	0	0	27
CARGO TONS	S. AMERICA E.C.	U.S. W.C., HAWAII	0	404948	532221	40388	0	0	977557
TRANSITS	U.S. EAST COAST	ASIA	15	42	24	9	0	0	90
CARGO TONS	U.S. EAST COAST	ASIA	47896	1239457	1077131	581995	0	0	2946479
TRANSITS	U.S. EAST COAST	C. AMERICA W.C.	3	9	2	0	0	0	14
CARGO TONS	U.S. EAST COAST	C. AMERICA W.C.	11153	199754	49441	0	0	0	260348
TRANSITS	U.S. EAST COAST	CANADA WEST COAST	0	2	0	0	0	0	2
CARGO TONS	U.S. EAST COAST	CANADA WEST COAST	0	7191	147	0	0	0	7338
TRANSITS	U.S. EAST COAST	OCEANIA	0	3	1	0	0	0	4
CARGO TONS	U.S. EAST COAST	OCEANIA	0	92805	36204	0	0	0	129009
TRANSITS	U.S. EAST COAST	S. AMERICA W.C.	1	1	0	0	0	0	3
CARGO TONS	U.S. EAST COAST	S. AMERICA W.C.	2474	28390	18417	0	0	0	49280
TRANSITS	U.S. EAST COAST	U.S. W.C., HAWAII	0	17	3	1	0	0	21
CARGO TONS	U.S. EAST COAST	U.S. W.C., HAWAII	0	426122	147572	27645	0	0	601339
TRANSITS	TOTAL	TOTAL	76	156	113	42	0	76	462
CARGO TONS	TOTAL	TOTAL	230398	3994634	4808818	2614737	0	14000000	25648587

250,000 DWT 2020

Transits for the Following Ship Types are Unchanged from the 250,000 DWT 2060 Case.

Container - Breakbulk Ships
Chemical Tankers
Conventional General Cargo Ships
Full Container Ships
Liquified Petroleum Gas Carriers
Refrigerated Cargo Ships
Roll-On Roll-Off Ships
Oil Tankers, Northbound
Vehicle Carriers

2020 250,000 DWT Vessel Transits

Laden Southbound

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 149,999	150,000 TO 199,999	200,000 TO 250,000	TOTAL
Combined and Dry Bulk Carriers										
TRANSITS	AFRICA	C. AMERICA W.C.	0	13	1	0	0	0	0	15
CARGO TONS	AFRICA	C. AMERICA W.C.	0	410930	48345	24172	0	0	0	483447
TRANSITS	AFRICA	CANADA WEST COAST	0	23	7	3	0	0	0	34
CARGO TONS	AFRICA	CANADA WEST COAST	0	734860	348663	270673	0	0	0	1354196
TRANSITS	AFRICA	OCEANIA	0	5	2	0	0	0	0	7
CARGO TONS	AFRICA	OCEANIA	0	141414	100224	12686	0	0	0	254324
TRANSITS	AFRICA	S. AMERICA W.C.	0	4	0	0	0	0	0	5
CARGO TONS	AFRICA	S. AMERICA W.C.	0	108887	12810	6405	0	0	0	128102
TRANSITS	AFRICA	U.S. W.C., HAWAII	0	4	3	0	0	0	0	7
CARGO TONS	AFRICA	U.S. W.C., HAWAII	0	53915	98283	8997	0	0	0	161194
TRANSITS	CANADA EAST COAST	ASIA	0	47	25	2	5	6	3	88
CARGO TONS	CANADA EAST COAST	ASIA	0	1306139	1078702	112914	464659	791642	464660	4218716
TRANSITS	CANADA EAST COAST	OCEANIA	0	3	0	0	0	0	0	3
CARGO TONS	CANADA EAST COAST	OCEANIA	0	49256	2639	6094	0	0	0	57989
TRANSITS	CANADA EAST COAST	S. AMERICA W.C.	0	4	1	0	0	0	0	6
CARGO TONS	CANADA EAST COAST	S. AMERICA W.C.	0	109710	45181	7660	0	0	0	162552
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	ASIA	0	19	1	0	0	0	0	21
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	ASIA	0	543201	63906	31953	0	0	0	639060
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	0	23	2	1	0	0	0	25
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	0	579358	68160	34080	0	0	0	681598
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	CANADA WEST COAST	0	2	0	0	0	0	0	2
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	CANADA WEST COAST	0	49133	5459	0	0	0	0	54592
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	OCEANIA	0	0	0	0	0	0	0	1
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	OCEANIA	0	9859	1095	0	0	0	0	10954
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	S. AMERICA W.C.	0	11	1	0	0	0	0	12
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	S. AMERICA W.C.	0	265628	31250	15625	0	0	0	312504

2020 250,000 DWT Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 149,999	150,000 TO 199,999	200,000 TO 250,000	TOTAL
Combined and Dry Bulk Carriers (Cont.)										
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	0	8	1	0	0	0	0	9
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	0	200207	23554	11777	0	0	0	235538
TRANSITS	EUROPE	ASIA	0	5	3	0	0	0	0	8
CARGO TONS	EUROPE	ASIA	0	105734	132709	12617	0	0	0	251060
TRANSITS	EUROPE	C. AMERICA W.C.	0	28	1	1	0	0	0	30
CARGO TONS	EUROPE	C. AMERICA W.C.	0	677145	39832	79664	0	0	0	796641
TRANSITS	EUROPE	CANADA WEST COAST	0	8	2	1	0	0	0	11
CARGO TONS	EUROPE	CANADA WEST COAST	0	138624	80992	66450	0	0	0	286066
TRANSITS	EUROPE	OCEANIA	0	5	0	0	0	0	0	6
CARGO TONS	EUROPE	OCEANIA	0	124908	14695	7348	0	0	0	146951
TRANSITS	EUROPE	S. AMERICA W.C.	0	11	1	0	0	0	0	12
CARGO TONS	EUROPE	S. AMERICA W.C.	0	253170	29785	14892	0	0	0	297847
TRANSITS	EUROPE	U.S. W.C., HAWAII	0	82	23	12	0	0	0	116
CARGO TONS	EUROPE	U.S. W.C., HAWAII	0	1574327	852852	674705	0	0	0	3101883
TRANSITS	MIDDLE EAST	S. AMERICA W.C.	0	0	1	0	0	0	0	1
CARGO TONS	MIDDLE EAST	S. AMERICA W.C.	0	0	52140	0	0	0	0	52140
TRANSITS	S. AMERICA E.C.	ASIA	0	47	17	5	38	86	35	227
CARGO TONS	S. AMERICA E.C.	ASIA	0	1265349	759850	358737	4392594	12536499	6521378	25834408
TRANSITS	S. AMERICA E.C.	C. AMERICA W.C.	0	7	1	0	0	0	0	8
CARGO TONS	S. AMERICA E.C.	C. AMERICA W.C.	0	210072	24700	12350	0	0	0	247122
TRANSITS	S. AMERICA E.C.	CANADA WEST COAST	0	2	0	0	0	0	0	3
CARGO TONS	S. AMERICA E.C.	CANADA WEST COAST	0	56294	6623	3311	0	0	0	66228
TRANSITS	S. AMERICA E.C.	S. AMERICA W.C.	0	26	1	3	0	0	0	30
CARGO TONS	S. AMERICA E.C.	S. AMERICA W.C.	0	653004	42024	142965	0	0	0	837993
TRANSITS	S. AMERICA E.C.	U.S. W.C., HAWAII	0	12	4	11	0	0	0	28
CARGO TONS	S. AMERICA E.C.	U.S. W.C., HAWAII	0	308772	170574	649067	0	0	0	1128413

2020 250,000 DWT Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 149,999	150,000 TO 199,999	200,000 TO 250,000	TOTAL
Combined and Dry Bulk Carriers (Cont.)										
TRANSITS	U.S. EAST COAST	ASIA	0	206	759	119	517	0	0	1601
CARGO TONS	U.S. EAST COAST	ASIA	0	5824311	34793035	7856816	55855323	0	0	104329488
TRANSITS	U.S. EAST COAST	C. AMERICA W.C.	0	181	21	5	0	0	0	207
CARGO TONS	U.S. EAST COAST	C. AMERICA W.C.	0	5139092	820991	271851	0	0	0	6361220
TRANSITS	U.S. EAST COAST	CANADA WEST COAST	0	1	0	0	0	0	0	1
CARGO TONS	U.S. EAST COAST	CANADA WEST COAST	0	18611	5348	5963	0	0	0	29923
TRANSITS	U.S. EAST COAST	OCEANIA	0	17	3	1	0	0	0	24
CARGO TONS	U.S. EAST COAST	OCEANIA	0	471034	116170	58347	0	0	0	645551
TRANSITS	U.S. EAST COAST	S. AMERICA W.C.	0	44	5	1	0	0	0	53
CARGO TONS	U.S. EAST COAST	S. AMERICA W.C.	0	1169112	217071	69882	0	0	0	1456066
TRANSITS	U.S. EAST COAST	U.S. W.C., HAWAII	0	1	0	0	0	0	0	1
CARGO TONS	U.S. EAST COAST	U.S. W.C., HAWAII	0	315	37	19	0	0	0	371
TRANSITS	TOTAL	TOTAL	0	850	886	168	560	92	38	2594
CARGO TONS	TOTAL	TOTAL	0	22676736	40087700	10828023	60712576	13328141	6986038	154619214

2020 250,000 DWT Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 149,999	150,000 TO 199,999	200,000 TO 249,999	TOTAL
Oil Tankers										
TRANSITS	AFRICA	U.S. W.C., HAWAII	0	0	0	0	0	0	0	0
CARGO TONS	AFRICA	U.S. W.C., HAWAII	0	0	202	0	0	0	0	202
TRANSITS	CANADA EAST COAST	ASIA	0	6	4	0	0	0	0	10
CARGO TONS	CANADA EAST COAST	ASIA	0	165380	227307	0	0	0	0	392687
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	ASIA	1	3	1	1	0	0	0	6
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	ASIA	5029	87251	49280	38279	0	0	0	179840
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	40	15	33	6	0	0	0	93
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	121224	263574	1079544	297464	0	0	0	1761806
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	S. AMERICA W.C.	7	30	4	0	0	0	0	41
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	S. AMERICA W.C.	26014	641009	211485	0	0	0	0	878508
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	1	4	11	1	0	0	0	17
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	2108	109296	525048	75778	0	0	0	712230
TRANSITS	EUROPE	C. AMERICA W.C.	10	2	0	0	0	0	0	12
CARGO TONS	EUROPE	C. AMERICA W.C.	21081	32015	1104	0	0	0	0	54200
TRANSITS	EUROPE	OCEANIA	0	1	0	0	0	0	0	1
CARGO TONS	EUROPE	OCEANIA	0	23588	481	0	0	0	0	24069
TRANSITS	EUROPE	S. AMERICA W.C.	1	2	0	0	0	0	0	2
CARGO TONS	EUROPE	S. AMERICA W.C.	2226	48890	1047	0	0	0	0	52163
TRANSITS	EUROPE	U.S. W.C., HAWAII	0	5	1	0	0	0	0	6
CARGO TONS	EUROPE	U.S. W.C., HAWAII	0	146157	49470	0	0	0	0	195627
TRANSITS	MIDDLE EAST	U.S. W.C., HAWAII	0	0	0	0	0	0	0	0
CARGO TONS	MIDDLE EAST	U.S. W.C., HAWAII	0	112	2	0	0	0	0	114
TRANSITS	S. AMERICA E.C.	ASIA	0	5	0	0	0	0	62	67
CARGO TONS	S. AMERICA E.C.	ASIA	0	144387	2947	0	0	0	14000000	14147334
TRANSITS	S. AMERICA E.C.	C. AMERICA W.C.	4	5	22	54	0	0	0	85
CARGO TONS	S. AMERICA E.C.	C. AMERICA W.C.	9941	117894	879279	3335196	0	0	0	4342311

2020 250,000 DWT Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 149,999	150,000 TO 199,999	200,000 TO 249,999	TOTAL
Oil Tankers (Cont.)										
TRANSITS	S. AMERICA E.C.	S. AMERICA W.C.	6	5	22	5	0	0	0	38
CARGO TONS	S. AMERICA E.C.	S. AMERICA W.C.	16551	122775	1101266	400442	0	0	0	1641035
TRANSITS	S. AMERICA E.C.	U.S. W.C., HAWAII	0	29	9	11	0	0	0	49
CARGO TONS	S. AMERICA E.C.	U.S. W.C., HAWAII	0	797811	411650	757872	0	0	0	1967334
TRANSITS	U.S. EAST COAST	ASIA	13	36	22	9	0	0	0	80
CARGO TONS	U.S. EAST COAST	ASIA	43329	1061682	1000330	549446	0	0	0	2654786
TRANSITS	U.S. EAST COAST	C. AMERICA W.C.	8	20	5	0	0	0	0	33
CARGO TONS	U.S. EAST COAST	C. AMERICA W.C.	25560	471555	116544	0	0	0	0	613659
TRANSITS	U.S. EAST COAST	CANADA WEST COAST	0	1	0	0	0	0	0	1
CARGO TONS	U.S. EAST COAST	CANADA WEST COAST	0	4276	87	0	0	0	0	4363
TRANSITS	U.S. EAST COAST	OCEANIA	0	5	1	0	0	0	0	6
CARGO TONS	U.S. EAST COAST	OCEANIA	0	138406	53993	0	0	0	0	192399
TRANSITS	U.S. EAST COAST	S. AMERICA W.C.	3	4	1	0	0	0	0	8
CARGO TONS	U.S. EAST COAST	S. AMERICA W.C.	7421	99880	39578	0	0	0	0	146879
TRANSITS	U.S. EAST COAST	U.S. W.C., HAWAII	0	24	5	1	0	0	0	30
CARGO TONS	U.S. EAST COAST	U.S. W.C., HAWAII	0	621191	215127	40300	0	0	0	876618
TRANSITS	TOTAL	TOTAL	94	201	141	87	0	0	62	585
CARGO TONS	TOTAL	TOTAL	280485	5097128	5965772	5494779	0	0	14000000	30838164

250,000 DWT 2060

Transits for the Following Ship Types are Unchanged from the 250,000 DWT 2060 Case.

Container - Breakbulk Ships
Chemical Tankers
Conventional General Cargo Ships
Full Container Ships
Liquified Petroleum Gas Carriers
Refrigerated Cargo Ships
Roll-On Roll-Off Ships
Oil Tankers, Northbound
Vehicle Carriers

2060 250,000 DWT Vessel Transits

Laden Northbound

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 149,999	150,000 TO 199,999	200,000 TO 250,000	TOTAL
Combined and Dry Bulk Carriers										
TRANSITS	ASIA	AFRICA	0	1	0	0	0	0	0	2
CARGO TONS	ASIA	AFRICA	0	384	51	77	0	0	0	512
TRANSITS	ASIA	CANADA EAST COAST	0	3	10	2	0	0	0	15
CARGO TONS	ASIA	CANADA EAST COAST	0	88984	460500	145326	0	0	0	694810
TRANSITS	ASIA	CENTRAL AMERICA E.C., W. INDIE	0	24	3	3	0	0	0	29
CARGO TONS	ASIA	CENTRAL AMERICA E.C., W. INDIE	0	476011	18864	31961	0	0	0	526836
TRANSITS	ASIA	EUROPE	0	0	3	0	0	0	0	4
CARGO TONS	ASIA	EUROPE	0	0	140942	30792	0	0	0	171734
TRANSITS	ASIA	S. AMERICA E.C.	0	5	0	1	0	0	0	5
CARGO TONS	ASIA	S. AMERICA E.C.	0	128793	6869	36062	0	0	0	171724
TRANSITS	ASIA	U.S. EAST COAST	0	216	109	61	0	0	0	386
CARGO TONS	ASIA	U.S. EAST COAST	0	4901951	4007076	3225112	0	0	0	12134139
TRANSITS	C. AMERICA W.C.	AFRICA	0	1	0	0	0	0	0	2
CARGO TONS	C. AMERICA W.C.	AFRICA	0	39508	6032	6612	0	0	0	52152
TRANSITS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	0	51	6	6	0	0	0	63
CARGO TONS	C. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	0	1372287	297018	498130	0	0	0	2167435
TRANSITS	C. AMERICA W.C.	EUROPE	0	12	4	2	0	0	0	19
CARGO TONS	C. AMERICA W.C.	EUROPE	0	345103	162609	118040	0	0	0	625752
TRANSITS	C. AMERICA W.C.	S. AMERICA E.C.	0	14	0	2	0	0	0	16
CARGO TONS	C. AMERICA W.C.	S. AMERICA E.C.	0	200878	10713	56246	0	0	0	267837
TRANSITS	C. AMERICA W.C.	U.S. EAST COAST	0	33	9	5	0	0	0	47
CARGO TONS	C. AMERICA W.C.	U.S. EAST COAST	0	1084605	420903	348241	0	0	0	1853749
TRANSITS	CANADA WEST COAST	AFRICA	0	90	65	20	0	0	0	175
CARGO TONS	CANADA WEST COAST	AFRICA	0	2736275	3330597	1622490	0	0	0	7689362
TRANSITS	CANADA WEST COAST	CENTRAL AMERICA E.C., W. INDIE	0	8	0	1	0	0	0	9
CARGO TONS	CANADA WEST COAST	CENTRAL AMERICA E.C., W. INDIE	0	202371	10798	56689	0	0	0	269857

2060 250,000 DWT Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 149,999	150,000 TO 199,999	200,000 TO 250,000	TOTAL
Combined and Dry Bulk Carriers (Cont.)										
TRANSITS	CANADA WEST COAST	EUROPE	0	78	158	53	0	13	0	301
CARGO TONS	CANADA WEST COAST	EUROPE	0	2338155	7756997	4009537	0	1838862	0	15943551
TRANSITS	CANADA WEST COAST	MIDDLE EAST	0	13	33	7	0	0	0	53
CARGO TONS	CANADA WEST COAST	MIDDLE EAST	0	464940	1787501	593087	0	0	0	2845528
TRANSITS	CANADA WEST COAST	S. AMERICA E.C.	0	11	7	5	0	7	0	29
CARGO TONS	CANADA WEST COAST	S. AMERICA E.C.	0	292277	337989	340489	0	849041	0	1819796
TRANSITS	CANADA WEST COAST	U.S. EAST COAST	0	92	3	10	0	0	0	105
CARGO TONS	CANADA WEST COAST	U.S. EAST COAST	0	2387218	127318	668421	0	0	0	3182957
TRANSITS	OCEANIA	AFRICA	0	1	0	0	0	0	0	1
CARGO TONS	OCEANIA	AFRICA	0	7844	1046	1569	0	0	0	10458
TRANSITS	OCEANIA	CANADA EAST COAST	0	20	1	2	0	0	0	23
CARGO TONS	OCEANIA	CANADA EAST COAST	0	644234	34359	180386	0	0	0	858979
TRANSITS	OCEANIA	CENTRAL AMERICA E.C., W. INDIE	0	13	0	1	0	0	0	14
CARGO TONS	OCEANIA	CENTRAL AMERICA E.C., W. INDIE	0	351554	18750	98435	0	0	0	468739
TRANSITS	OCEANIA	EUROPE	0	11	0	1	0	0	0	13
CARGO TONS	OCEANIA	EUROPE	0	324729	17319	90924	0	0	0	432972
TRANSITS	OCEANIA	S. AMERICA E.C.	0	0	1	1	0	0	0	2
CARGO TONS	OCEANIA	S. AMERICA E.C.	0	0	23297	62943	0	0	0	86240
TRANSITS	OCEANIA	U.S. EAST COAST	0	0	19	17	0	0	0	36
CARGO TONS	OCEANIA	U.S. EAST COAST	0	0	936975	1280641	0	0	0	2217616
TRANSITS	S. AMERICA W.C.	AFRICA	0	1	3	1	0	0	0	5
CARGO TONS	S. AMERICA W.C.	AFRICA	0	30303	202662	63436	0	0	0	296401
TRANSITS	S. AMERICA W.C.	CANADA EAST COAST	0	1	0	0	0	0	0	1
CARGO TONS	S. AMERICA W.C.	CANADA EAST COAST	0	18245	973	5108	0	0	0	24326
TRANSITS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	0	10	0	1	0	0	0	12
CARGO TONS	S. AMERICA W.C.	CENTRAL AMERICA E.C., W. INDIE	0	207873	11087	58204	0	0	0	277164

2060 250,000 DWT Vessel Transits

Laden Northbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 149,999	150,000 TO 199,999	200,000 TO 250,000	TOTAL
Combined and Dry Bulk Carriers (Cont.)										
TRANSITS	S. AMERICA W.C.	EUROPE	0	180	33	24	0	13	10	262
CARGO TONS	S. AMERICA W.C.	EUROPE	0	5595389	1660630	1910789	0	1946402	1946402	13059612
TRANSITS	S. AMERICA W.C.	MIDDLE EAST	0	0	0	0	0	0	0	0
CARGO TONS	S. AMERICA W.C.	MIDDLE EAST	0	4019	536	804	0	0	0	5359
TRANSITS	S. AMERICA W.C.	S. AMERICA E.C.	0	9	0	1	0	0	0	11
CARGO TONS	S. AMERICA W.C.	S. AMERICA E.C.	0	271621	14486	76054	0	0	0	362161
TRANSITS	S. AMERICA W.C.	U.S. EAST COAST	0	72	12	6	0	0	0	91
CARGO TONS	S. AMERICA W.C.	U.S. EAST COAST	0	2362555	670530	552029	0	0	0	3585114
TRANSITS	U.S. W.C., HAWAII	AFRICA	0	55	113	31	0	0	0	198
CARGO TONS	U.S. W.C., HAWAII	AFRICA	0	1562414	5218561	2236855	0	0	0	9017830
TRANSITS	U.S. W.C., HAWAII	CANADA EAST COAST	0	4	1	1	0	0	0	5
CARGO TONS	U.S. W.C., HAWAII	CANADA EAST COAST	0	130693	34232	46155	0	0	0	211081
TRANSITS	U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIE	0	1	0	0	0	0	0	1
CARGO TONS	U.S. W.C., HAWAII	CENTRAL AMERICA E.C., W. INDIE	0	22706	1211	6358	0	0	0	30275
TRANSITS	U.S. W.C., HAWAII	EUROPE	0	12	107	49	0	0	0	168
CARGO TONS	U.S. W.C., HAWAII	EUROPE	0	377075	5503520	3624091	0	0	0	9504686
TRANSITS	U.S. W.C., HAWAII	S. AMERICA E.C.	0	12	0	1	0	0	0	13
CARGO TONS	U.S. W.C., HAWAII	S. AMERICA E.C.	0	327313	17457	91648	0	0	0	436417
TRANSITS	U.S. W.C., HAWAII	U.S. EAST COAST	0	5	2	1	0	0	0	8
CARGO TONS	U.S. W.C., HAWAII	U.S. EAST COAST	0	182519	19473	12648	0	0	0	214640
TRANSITS	TOTAL	TOTAL	0	1059	706	316	0	33	10	2125
CARGO TONS	TOTAL	TOTAL	0	29480826	33269882	22186386	0	4634305	1946402	91517801

2080 250,000 DWT Vessel Transits

Laden Southbound

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 149,999	150,000 TO 199,999	200,000 TO 250,000	TOTAL
Combined and Dry Bulk Carriers										
TRANSITS	AFRICA	C. AMERICA W.C.	0	26	1	3	0	0	0	29
CARGO TONS	AFRICA	C. AMERICA W.C.	0	912526	36021	252145	0	0	0	1200692
TRANSITS	AFRICA	CANADA WEST COAST	0	97	37	23	0	0	0	156
CARGO TONS	AFRICA	CANADA WEST COAST	0	3460490	2121341	2063069	0	0	0	7644900
TRANSITS	AFRICA	OCEANIA	0	18	8	3	0	0	0	30
CARGO TONS	AFRICA	OCEANIA	0	603897	420318	271566	0	0	0	1295781
TRANSITS	AFRICA	S. AMERICA W.C.	0	8	0	1	0	0	0	9
CARGO TONS	AFRICA	S. AMERICA W.C.	0	238062	9397	65780	0	0	0	313240
TRANSITS	AFRICA	U.S. W.C., HAWAII	0	5	4	1	0	0	0	10
CARGO TONS	AFRICA	U.S. W.C., HAWAII	0	85800	136027	75167	0	0	0	296994
TRANSITS	CANADA EAST COAST	ASIA	0	56	30	19	0	12	9	126
CARGO TONS	CANADA EAST COAST	ASIA	0	1749717	1424400	1326739	0	1516828	1516828	7534511
TRANSITS	CANADA EAST COAST	OCEANIA	0	5	1	1	0	0	0	7
CARGO TONS	CANADA EAST COAST	OCEANIA	0	104407	7880	19956	0	0	0	132243
TRANSITS	CANADA EAST COAST	S. AMERICA W.C.	0	9	2	1	0	0	0	12
CARGO TONS	CANADA EAST COAST	S. AMERICA W.C.	0	249973	91013	84982	0	0	0	425969
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	ASIA	0	19	0	2	0	0	0	22
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	ASIA	0	614081	24240	169680	0	0	0	808001
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	0	43	1	5	0	0	0	49
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	0	1253960	49498	346489	0	0	0	1649947
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	CANADA WEST COAST	0	3	0	0	0	0	0	3
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	CANADA WEST COAST	0	80056	3160	22121	0	0	0	105337
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	OCEANIA	0	1	0	0	0	0	0	1
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	OCEANIA	0	16650	657	4601	0	0	0	21908
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	S. AMERICA W.C.	0	21	1	2	0	0	0	24
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	S. AMERICA W.C.	0	557847	22020	154142	0	0	0	734009

2060 250,000 DWT Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 149,999	150,000 TO 199,999	200,000 TO 250,000	TOTAL
Combined and Dry Bulk Carriers (Cont.)										
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	0	8	0	1	0	0	0	9
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	0	217699	8593	60154	0	0	0	286446
TRANSITS	EUROPE	ASIA	0	5	4	1	0	0	0	11
CARGO TONS	EUROPE	ASIA	0	136488	188513	86833	0	0	0	411834
TRANSITS	EUROPE	C. AMERICA W.C.	0	45	1	5	0	0	0	51
CARGO TONS	EUROPE	C. AMERICA W.C.	0	1236724	48818	341726	0	0	0	1627268
TRANSITS	EUROPE	CANADA WEST COAST	0	8	3	2	0	0	0	12
CARGO TONS	EUROPE	CANADA WEST COAST	0	161624	121902	124782	0	0	0	408308
TRANSITS	EUROPE	OCEANIA	0	6	0	1	0	0	0	7
CARGO TONS	EUROPE	OCEANIA	0	183249	7234	50635	0	0	0	241117
TRANSITS	EUROPE	S. AMERICA W.C.	0	15	0	2	0	0	0	16
CARGO TONS	EUROPE	S. AMERICA W.C.	0	390271	15405	107838	0	0	0	513515
TRANSITS	EUROPE	U.S. W.C., HAWAII	0	89	33	20	0	0	0	142
CARGO TONS	EUROPE	U.S. W.C., HAWAII	0	1955868	1368439	1354357	0	0	0	4678664
TRANSITS	MIDDLE EAST	S. AMERICA W.C.	0	0	2	0	0	0	0	2
CARGO TONS	MIDDLE EAST	S. AMERICA W.C.	0	0	86553	17728	0	0	0	104281
TRANSITS	S. AMERICA E.C.	ASIA	0	37	15	9	0	52	66	178
CARGO TONS	S. AMERICA E.C.	ASIA	0	1130378	739394	693249	0	7654348	12469789	22687158
TRANSITS	S. AMERICA E.C.	C. AMERICA W.C.	0	10	0	1	0	0	0	12
CARGO TONS	S. AMERICA E.C.	C. AMERICA W.C.	0	335499	13235	92644	0	0	0	441378
TRANSITS	S. AMERICA E.C.	CANADA WEST COAST	0	3	0	0	0	0	0	3
CARGO TONS	S. AMERICA E.C.	CANADA WEST COAST	0	73661	2908	20354	0	0	0	96923
TRANSITS	S. AMERICA E.C.	S. AMERICA W.C.	0	31	2	5	0	0	0	39
CARGO TONS	S. AMERICA E.C.	S. AMERICA W.C.	0	903130	88666	303846	0	0	0	1295642
TRANSITS	S. AMERICA E.C.	U.S. W.C., HAWAII	0	11	6	17	0	0	0	34
CARGO TONS	S. AMERICA E.C.	U.S. W.C., HAWAII	0	306655	300828	1114435	0	0	0	1721918

2060 250,000 DWT Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 149,999	150,000 TO 199,999	200,000 TO 250,000	TOTAL
Combined and Dry Bulk Carriers (Cont.)										
TRANSITS	U.S. EAST COAST	ASIA	0	0	692	394	0	543	0	1629
CARGO TONS	U.S. EAST COAST	ASIA	0	0	35140032	29566193	0	75167305	0	139873529
TRANSITS	U.S. EAST COAST	C. AMERICA W.C.	0	322	6	47	0	0	0	375
CARGO TONS	U.S. EAST COAST	C. AMERICA W.C.	0	10395716	260285	3346523	0	0	0	14002524
TRANSITS	U.S. EAST COAST	CANADA WEST COAST	0	0	0	0	0	0	0	0
CARGO TONS	U.S. EAST COAST	CANADA WEST COAST	0	0	0	0	0	0	0	0
TRANSITS	U.S. EAST COAST	OCEANIA	0	18	2	3	0	0	0	23
CARGO TONS	U.S. EAST COAST	OCEANIA	0	585613	99125	224714	0	0	0	909451
TRANSITS	U.S. EAST COAST	S. AMERICA W.C.	0	70	2	10	0	0	0	82
CARGO TONS	U.S. EAST COAST	S. AMERICA W.C.	0	2105364	71846	766351	0	0	0	2943561
TRANSITS	U.S. EAST COAST	U.S. W.C., HAWAII	0	0	0	0	0	0	0	1
CARGO TONS	U.S. EAST COAST	U.S. W.C., HAWAII	0	282	11	78	0	0	0	371
TRANSITS	TOTAL	TOTAL	0	989	852	580	0	606	76	3104
CARGO TONS	TOTAL	TOTAL	0	30045688	42858516	43062199	0	84338481	13986617	202676380

2060 250,000 DWT Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 149,999	150,000 TO 199,999	200,000 TO 250,000	TOTAL
Oil Tankers										
TRANSITS	AFRICA	U.S. W.C., HAWAII	0	0	0	0	0	0	0	0
CARGO TONS	AFRICA	U.S. W.C., HAWAII	0	0	202	0	0	0	0	202
TRANSITS	CANADA EAST COAST	ASIA	0	10	8	0	0	0	0	18
CARGO TONS	CANADA EAST COAST	ASIA	0	297807	409320	0	0	0	0	707127
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	ASIA	1	2	1	1	0	0	0	5
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	ASIA	3942	68396	38630	30007	0	0	0	140976
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	23	6	16	1	0	0	0	45
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	C. AMERICA W.C.	69306	104521	516785	59319	0	0	0	749931
TRANSITS	CENTRAL AMERICA E.C., W. INDIES	AMERICA W.C.	13	30	4	0	0	0	0	46
CARGO TONS	CENTRAL AMERICA E.C., W. INDIES	AMERICA W.C.	47992	636708	202281	0	0	0	0	886981
TRANSITS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	0	1	3	0	0	0	0	5
CARGO TONS	CENTRAL AMERICA E.C., W. INDIE	U.S. W.C., HAWAII	673	39659	165415	22080	0	0	0	227827
TRANSITS	EUROPE	C. AMERICA W.C.	14	3	0	0	0	0	0	17
CARGO TONS	EUROPE	C. AMERICA W.C.	31485	47814	1649	0	0	0	0	80947
TRANSITS	EUROPE	OCEANIA	0	1	0	0	0	0	0	1
CARGO TONS	EUROPE	OCEANIA	0	33572	685	0	0	0	0	34257
TRANSITS	EUROPE	S. AMERICA W.C.	1	3	0	0	0	0	0	4
CARGO TONS	EUROPE	S. AMERICA W.C.	3498	76814	1645	0	0	0	0	81957
TRANSITS	EUROPE	U.S. W.C., HAWAII	0	3	1	0	0	0	0	4
CARGO TONS	EUROPE	U.S. W.C., HAWAII	0	81605	27621	0	0	0	0	109226
TRANSITS	MIDDLE EAST	U.S. W.C., HAWAII	0	0	0	0	0	0	0	0
CARGO TONS	MIDDLE EAST	U.S. W.C., HAWAII	0	112	2	0	0	0	0	114
TRANSITS	S. AMERICA E.C.	ASIA	0	2	0	0	0	0	62	64
CARGO TONS	S. AMERICA E.C.	ASIA	0	48731	995	0	0	0	14000000	14049725
TRANSITS	S. AMERICA E.C.	C. AMERICA W.C.	3	5	31	29	0	0	0	68
CARGO TONS	S. AMERICA E.C.	C. AMERICA W.C.	7157	120245	1203717	1799338	0	0	0	3130457

2060 250,000 DWT Vessel Transits

Laden Southbound (Cont.)

ITEM	ORIGIN	DESTINATION	0 TO 9,999	10,000 TO 39,999	40,000 TO 64,999	65,000 TO 99,999	100,000 TO 149,999	150,000 TO 199,999	200,000 TO 250,000	TOTAL
Oil Tankers (Cont.)										
TRANSITS	S. AMERICA E.C.	S. AMERICA W.C.	2	2	7	1	0	0	0	12
CARGO TONS	S. AMERICA E.C.	S. AMERICA W.C.	4823	39983	378739	53965	0	0	0	477510
TRANSITS	S. AMERICA E.C.	U.S. W.C., HAWAII	0	15	11	1	0	0	0	27
CARGO TONS	S. AMERICA E.C.	U.S. W.C., HAWAII	0	404948	532221	40388	0	0	0	977557
TRANSITS	U.S. EAST COAST	ASIA	15	42	24	9	0	0	0	90
CARGO TONS	U.S. EAST COAST	ASIA	47896	1239457	1077131	581995	0	0	0	2946479
TRANSITS	U.S. EAST COAST	C. AMERICA W.C.	3	9	2	0	0	0	0	14
CARGO TONS	U.S. EAST COAST	C. AMERICA W.C.	11153	199754	49441	0	0	0	0	260348
TRANSITS	U.S. EAST COAST	CANADA WEST COAST	0	2	0	0	0	0	0	2
CARGO TONS	U.S. EAST COAST	CANADA WEST COAST	0	7191	147	0	0	0	0	7338
TRANSITS	U.S. EAST COAST	OCEANIA	0	3	1	0	0	0	0	4
CARGO TONS	U.S. EAST COAST	OCEANIA	0	92805	36204	0	0	0	0	129009
TRANSITS	U.S. EAST COAST	S. AMERICA W.C.	1	1	0	0	0	0	0	3
CARGO TONS	U.S. EAST COAST	S. AMERICA W.C.	2474	28390	18417	0	0	0	0	49280
TRANSITS	U.S. EAST COAST	U.S. W.C., HAWAII	0	17	3	1	0	0	0	21
CARGO TONS	U.S. EAST COAST	U.S. W.C., HAWAII	0	426122	147572	27645	0	0	0	601339
TRANSITS	TOTAL	TOTAL	76	156	113	42	0	0	62	449
CARGO TONS	TOTAL	TOTAL	230398	3994634	4808818	2614737	0	0	14000000	25648587