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FINAL REPORT

VOLUME XII

BATANGAS LINER SHIPPING DEVELOPMENTAL ROUTES REPORT

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FOREWORD

The Liner Shipping Route Study (LSRS) and the MARINA and SHIPPERCON STUDY (MARSH Study) were conducted, during 1993-1994, under the Philippine Sea Transport Consultancy (PSTC). The Final Report of the LSRS comprises 14 volumes and the Final Report of the MARSH Study comprises 5 volumes.

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1. INTRODUCTION

Developmental Route Reports

The Liner Shipping Route Study (LSRS) was conducted during 1993-1994, with financing from the United States Agency for International Development (USAID). The LSRS Final Report is in 14 volumes, and includes a 4-volume subset which examines several possible liner shipping and ferry services, which were not being operated in 1993. The objective of all of these "developmental route" investigations was to determine whether or not economically desirable and financially remunerative services might be operated on the several routes under examination, and, if so, to recommend that the Maritime Industry Authority (MARINA) proactively seek to induce shipping operators to apply for franchises to provide the services. The volumes of this developmental route subset are:

- Palawan Liner Shipping Developmental Routes Report (PALSDERR). This report examines current Palawan liner shipping services, and considers the possibilities for instituting new intraprovincial and interprovincial services.

- Cebu-Camiguin Liner Shipping Developmental Route Report (Camiguin Route Report). This report gives consideration to the possibility that fast ferry services linking Cebu and Camiguin Island might be desirable, perhaps with an intermediate call at the Bohol port of Tagbilaran.

- Romblon & Marinduque Developmental Routes Report (ROMDERR). This report gives consideration to possible ferry routes that would link Marinduque and the Romblon island of Tablas to Mindoro, as well as a possible ferry connection between Romblon Province and Marinduque, and a new Romblon intraprovincial route. The possible reestablishment of a direct Marinduque-Manila connection is also given consideration in the report.

- Batangas Liner Shipping Developmental Routes Report (BLISDERR). This report considers a wide variety of possible liner shipping connections to Batangas.

In line with the common objective of the LSRS developmental route reports, **the objective of BLISDERR is to identify the new interisland liner shipping service connections to Batangas Port that might desirably be franchised and instituted in the short to medium term.** Specifically, the report is to examine the desirability of franchising new liner shipping services between Batangas and the ports of Cebu and Cagayan de Oro, as well as to one or more ports of the island of Panay.

Batangas Port & 1994 Shipping Services

In 1994, the port of Batangas is the Luzon terminus for a number of ferry services operating to the ferry ports of Calapan, Puerto Galera, and Abra de Ilog, on the north coast of Mindoro Island. Batangas also is a terminus of interisland liner shipping services operating to the Mindoro west coast ports of San Jose and Sablayan and to the Romblon Province ports of Romblon and Odiongan. These services, and the vessels franchised to perform them, are identified in Table 1. In addition, services are being performed, in 1994, between Coron (Busuanga Island, Palawan Province) and Batangas. Tramper services operate from the port to various locations, but particularly to Cagayan de Oro, mainly for the accommodation of unmilled corn.

A major development project is planned by the Philippine Ports Authority (PPA) for the port of Batangas, to enable the port to accommodate the growing RORO ferry traffic between that port and the island of Mindoro, and to relieve Manila South Harbor and North Harbor of portions of the international and domestic liner shipping trade which they are, respectively, accommodating at present. It is anticipated that the shifting of traffic will usually entail cost savings, either by reducing road transport distances or sailing distances, or by reducing cargo handling requirements and time delays. Some of these cost savings may be essential for inducing investment and growth in the Batangas Port hinterland.

The Interim Report for the Study on the Development Project of the Port of Batangas in the Republic of the Philippines (Batangas Port Study) was prepared by consultants of the Japan International Cooperation Agency (JICA), in March 1985. This study subsequently became the basis for a loan from Japan's Overseas Economic Cooperation Fund (OECF) for construction of the first two phases of the Batangas Port project (with financing for third phase construction remaining, in November, 1994, to be discussed and negotiated). The agreement for the OECF loan, however, contains the condition that squatter families located on a portion of the land area required for implementation of the port project are to be "peacefully relocated", and this condition has proven to be an intractable problem. Although port construction was scheduled to begin in the first quarter of 1993, no work had yet gotten underway as of the end of the third quarter of 1994.

Meanwhile the Cavite-Laguna-Batangas-Rizal-Quezon (CALABARZON) regional development program, largely in the hinterland of Batangas Port, is proceeding without an adequate port at Batangas, meaning that the area must continue for some further period relying on the port facilities of Manila for the accommodation of most of the area's international and domestic trade. The CALABARZON regional development program has an export-driven growth strategy, but will also generate considerable domestic trade.

Table 1

VESSELS FRANCHISED TO SERVE THE PORT OF BATANGAS, MARCH 1994

OPERATOR NAME VESSEL NAME	SERVICE TYPE	TYPE OF AUTHORITY	DATE OF EXPIRATION	FRANCHISED ROUTE
AC SHIPPING LINES, CO.				
MV PRINCESS AC - IV	PAX FER.	CPC	3/28/98	PGAL-BTGS-PGAL
MB QUEEN AC - II	PAX FER.	CPC	3/28/98	PGAL-BTGS-TGLY-BTGS-PGAL
MB PRINCESS AC VI	PAX FER.	CPC	9/21/94	PGAL-PISA-TGLY-BTGS-TGLY-PISA-PGAL
ATIENZA, BERNARDO				
MB AC - I	PAX FER.	CPC	3/28/98	PGAL-BTGS-PGAL
MONTENEGRO SHPG LINES INC				
MB DON VICENTE	PAX FER.	CPC	11/15/01	BTGS-ABDI-BTGS
MB DOÑA MATILDE	PAX FER.	CPC	11/15/94	BTGS-ABDI-BTGS
MB DON FRANCISCO	PAX FER.	CPC	11/5/97	BTGS-ABDI-BTGS
SI-KAT FERRIES, INC.				
MB SI-KAT - II	PAX FER.	CPC	2/12/05	PGAL-BTGS-PGAL
VIVA SHIPPING LINES, INC.				
MV VIVA PEÑAFRANCIA - II	PAX FER.	CPC	11/24/97	BTGS-BUAN-GSAN-ODIO-LOOC-SAGU-ROMB-SAGU-LOOC-ODIO-GSAN-BUAN-BTGS
MV LADY OF LOURDES	PAX FER.	CPC	11/27/97	BTGS-CLPN-BTGS
MV VIVA PEÑAFRANCIA - IV	PAX FER.	CPC	11/25/97	BTGS-CLPN-BTGS
MV VIVA PEÑAFRANCIA - VI	PAX FER.	CPC	11/25/97	BTGS-CLPN-BTGS
MV VIVA PEÑAFRANCIA - IX	PAX FER.	CPC	5/8/01	BTGS-CLPN-BTGS
MV VIVA STA. ANA	PAX FER.	CPC	8/31/03	BTGS-SAJA-BTGS

Source: MARINA Management Information Systems Office Franchised Vessel Inventory

Organization of BLISDERR

Chapter 2 of this report presents a discussion of the traffic generating factors for Batangas Port cargo and passenger traffic, and of the potential for traffic growth at the port, including the diversion of traffic from the port of Manila. Chapter 3 discusses specific interisland liner shipping services which appear to be desirable between Batangas and other ports. The final chapter presents the LSRS findings and recommendations in regard to franchising services to Batangas Port.

Annex A provides background information on Batangas Port, including the ongoing project to expand and upgrade the port, and 1991-1993 cargo origin-destination (O-D) information for Batangas Port, obtained from the National Statistics Office (NSO). Annex B provides background information on the CALABARZON development region. Annex C presents the results of LSRS surveys, which were conducted in an effort to identify the potential for diverting domestic cargo shipments and passengers from Manila to Batangas. Annex D presents NSO cargo O-D information for Manila North Harbor (MNH), for the years, 1991 through 1993. The information is pertinent to this report, since much of the MNH traffic is potentially divertible to an upgraded and expanded Batangas Port, with the inauguration of additional liner shipping services.

2. BATANGAS PORT TRAFFIC POTENTIAL

Domestic Cargo Traffic

The discussion in this section looks, first, at the current sources and potential sources of Batangas Port cargo traffic. The cargo traffic forecasts of the Batangas Port Study are then reviewed, and compared with the traffic growth which actually occurred during 1983-1993. In November 1994, only Romblon Province and northern Palawan Province (Coron Port) have direct liner shipping connections to both Batangas and the MNH, and, therefore, offer insight into the relative attractions of Batangas and Manila for liner shipping cargo movements; these cargo attraction comparisons are made, and their applicability to other routes is discussed.

Sources of Batangas Port Domestic Cargo Traffic

The bases for the generation of cargo traffic at Batangas Port are:

- **Natural Hinterland.** The "natural" hinterland of Batangas Port is that portion of Luzon which has shorter inland transport distances to Batangas than to any other comparable port. This hinterland includes a large portion of the CALABARZON region, i.e., at least Batangas Province and the southern portions of Quezon and Laguna provinces. Also, unless and until a "Bicol regional port" (under consideration by the Philippine Government) is constructed, the entire area of Bicol is also within the natural hinterland of Batangas Port. The CALABARZON regional development program has an export-driven growth strategy, but industrial development of the region will also stimulate the growth of domestic trade, as there will be sizable inflows of manufacturing inputs from other areas of the Philippines, and locally-produced and imported manufactured goods are likely to flow in the other direction.

- **RORO Expanded Hinterland.** RORO ferry services have effectively expanded the natural hinterland of Batangas Port to include most of the island of Mindoro. As indicated in Chapter 1, shippers interviewed by the LSRS in both Iloilo and Tacloban equated reaching Batangas to reaching Mindoro; i.e., with the objective of trade facilitation with Mindoro, they proposed the institution of liner shipping services to Batangas (from Tacloban and

Iloilo). Once the road network of Mindoro is improved, the lower transport costs to the three Mindoro ferry ports (Calapan, Puerto Galera and Abra de Ilog) will increase the likelihood that Batangas will serve as the interisland port for the preponderence of Mindoro's interisland trade.

- Port of **Transshipment.** This involves both domestic cargoes and exports and imports. Where exports and imports are concerned, however, Batangas will only become an important port of transshipment when international cargo traffic at the port reaches the "threshold" levels that are required to attract frequent international shipping services. This is anticipated to occur within a few years because of the ongoing and anticipated CALABARZON industrial development, much of which is aimed at the export market. One advantage of Batangas over Manila, as a port of transshipment of exports and imports, is the avoidance of the need to transfer goods between the Manila South and North Harbors. Where the transshipments of domestic cargoes are concerned, the principal advantage of Batangas over Manila is the prospect of saving **the incremental Manila-Batangas sailing distance twice.** For example, many cargoes moving between Davao and Cebu, during 1992-1993, had to be transshipped at Manila; Davao-Batangas services coupled with Batangas-Cebu services would have eliminated six hours of sailing in both the northward and southward directions, for a total sailing time reduction of 12 hours. The LSRS also identified that containerized cargo moving between Zamboanga and Cebu was being transshipped at Manila, in 1993-1994, as was trade between Iloilo and Mindoro and at least a portion of the perishable cargo moving between Iloilo and Palawan.

- **Alternative Route to Metro Manila.** Sailing time from most points of the Philippines is about six hours shorter to Batangas than to Manila. However, if the point of final destination is within Metro Manila (or anywhere to the north of Metro Manila), then a road transport trip of three hours or so is required for cargo (as well as for passengers) to reach Metro Manila from Batangas. Thus, the net time saving in these cases is just three hours, and that estimate is before allowing for possible delay in modal transfer at Batangas. However, the principal reason for choosing to ship (or travel) by the alternative route to Manila via Batangas, in preference to choosing the direct route, will not be the relatively small potential for saving of sailing time, but rather the possibility of shipping (or traveling) one to several days earlier, i.e., Manila routes currently offering only once-a-week service will be especially vulnerable to the

loss of traffic to new services to Batangas. (By the same token, however, Batangas could fail to accommodate all of the traffic generated by its natural hinterland, if only infrequent services to some points are provided.)

Batangas Port Cargo Forecasts & Actual 1983-1993 Cargo Traffic Growth

Total Batangas Cargo Traffic. At the time that the Batangas Port Study was conducted, RORO ferry services between Batangas and Mindoro had been operated for only two to three years (these RORO services were inaugurated in 1981). The latest traffic information available to the Batangas Port Study was for 1983, and RORO ferry cargoes were not separately identified in the traffic information for that year. Cargo traffic totaled 395,000 tons at the port, in 1983, of which 357,000 tons comprised domestic cargo and 38,000 tons comprised foreign (export/import) cargo. PPA traffic data indicate that, in 1992, Batangas Port cargoes reached 1.1 million tons, most of which comprised domestic cargo (there were 48,000 tons of imports and just 10,000 tons of exports handled through the port in 1992). The average annual compound rate of cargo traffic growth at Batangas, from 1983 to 1992, was just slightly less than 12 percent. Domestic cargo traffic, alone, grew at the slightly faster rate of 12.5 percent per annum. In 1993, however, recorded cargo throughput dropped sharply to a level of approximately 840,000 tons, including 755,000 tons of domestic cargo and 86,000 tons of international cargo, with the latter being comprised almost entirely of imports. In both years all cargo was recorded as breakbulk, with no containerized or bulk cargo.

Batangas-Calapan Ferry Route. The Batangas Port Study projected Batangas-Calapan RORO ferry cargo volumes to reach 644,000 tons in 1990, and then to rise to slightly over one million tons by the year 2000. The study projected that, in both of these years, slightly over one-half of the cargo volumes would be comprised of road vehicles. Actual cargo volumes on this route were 629,000 tons in 1991, and 695,000 tons in 1992, which means that the study's forecast of total RORO-accommodated cargo on the route was very close to the mark. The study was somewhat high, however, in its projection of the proportion of cargo that would comprise road vehicle weight, and, conversely, the tonnages of cargoes carried aboard road cargo vehicles were somewhat understated. In both 1991 and 1992, road vehicle weight constituted about 44 percent of total cargo tonnages on the route, in contrast to the study's expectation that vehicle weight would constitute 54 percent of cargo movement in 1990. This probably means that the ratio of cargo vehicles to passenger vehicles is higher than the study foresaw and/or the average cargo load per cargo vehicle is higher than expected by the study. Whereas the study projected trade cargoes (i.e., all cargoes moving by RORO

ferry other than road vehicles) to only approach 300,000 tons on the route in 1990, the actual 1991 volume exceeded 350,000 tons and the 1992 trade cargo total was 392,000 tons.

The differences noted above between the Batangas Port Study cargo traffic projections and actual traffic growth for the Batangas-Calapan route are not very large, and the study deserves a "good grade" for its medium-term Batangas-Calapan RORO ferry cargo forecasts. The study took a very conservative view of cargo growth potential on this route in the 1990s, however. Cargo volumes were projected by the study to continue to rise, after 1990, at a rate of somewhat under five percent per annum, to reach a year 2000 level of slightly more than one million tons. The actual 1992 growth of trade cargo on the route was approximately 11 percent. NSO trade information, presented in Table A.4 of Annex A, indicates that the cargo volumes carried aboard road vehicles moved by RORO ferry in the Calapan-to-Batangas direction grew by nearly 200 percent from 1992 to 1993, after achieving 200 percent growth from 1991 to 1992. Thus, despite the overall decline in Batangas Port cargo traffic recorded by PPA in 1993, as compared to the preceding year, it appears that cargo movements accommodated by Batangas-Mindoro port ferries continued to grow.

Other RORO Ferry Routes. The Batangas Port Study did not anticipate the establishment, by 1990, of other RORO ferry services, than only Batangas-Calapan, but presumed that RORO ferry services would be in operation between Batangas and Abra de Ilog by the year 2000. The study forecast that RORO ferries on this second route would accommodate 270,000 tons of cargo, in the year 2000, with road vehicle weight representing slightly less than one-half of the total.

RORO ferry operations have been established, since the Batangas Port Study was conducted, between Batangas and both Abra de Ilog and Puerto Galera. The NSO data on cargo traffic at these ports are incomplete, however, as they indicate cargo traffic in one direction only, which is extremely unlikely for ports that are accommodating the daily operation of RORO ferries. (LSRS fieldwork in Mindoro identified that road vehicles and other cargo traffic are, in fact, moving from Abra de Ilog to Batangas, as well as moving in the Batangas to Abra de Ilog direction. It is possible, however, that some significant proportion of the vehicles arriving at Mindoro from Batangas, through Abra de Ilog, then return to Batangas through another port, as discussed below in regard to the port of San Jose.)

Table A.4 of Annex A of this report presents NSO traffic information for cargoes destined for Batangas Port, in 1991, 1992, and 1993, but no flows are shown from either Abra de Ilog or Puerto Galera. Table A.5, on the other hand, shows significant outflows from Batangas to both Puerto Galera and "other municipal ports of Occidental Mindoro", i.e., principally Abra de Ilog. The data for

the latter include nearly 4,000 tons of vehicles moved per annum, during 1991-1992, with this traffic then rising to approximately 8,600 tons, in 1993. Trade cargo volumes shipped from Batangas to Abra de Ilog, over the same three-year period, averaged around 5,000 tons per annum. The volume of cargo moving from Batangas to Puerto Galera, in 1992, was approximately 5,600 tons, of which road vehicle weight accounted for 1,100 tons. In 1993, total cargo moved from Batangas to Puerto Galera exceeded 8,000 tons, nearly equally divided between road vehicles and trade cargo.

Abra de Ilog could potentially serve a large portion of the province of Occidental Mindoro, if only the west coast highway were to be upgraded and the capacity of Abra de Ilog to accommodate RORO ferries were to be improved. Considering that the single direction for which traffic data are available from the NSO is the "light" direction (between Mindoro and Luzon), the two-way cargo volumes between Abra de Ilog are probably in excess of 20,000 tons per annum, despite severe road and port constraints. Removal of these constraints would certainly give impetus to rapid growth of cargo traffic at Abra de Ilog, but, even so, reaching the 270,000-ton-per-annum traffic level forecast by the Batangas Port Study for this route in the year 2000, now appears unlikely to be attained by that year.

Besides these ferry operations, there is one more heavy flow of road vehicles moving between Batangas and Mindoro, and this is through the port of San Jose, on Mindoro's southwest coast. This is a liner shipping route rather than a ferry route, with an approximate sailing time of 12 hours. As shown in Tables A.4 and A.5 of Annex A, an average of nearly 14,000 tons of road vehicles per annum moved in the San Jose-to-Batangas direction, during 1991-1993, but much smaller tonnages of road vehicles moved from Batangas to San Jose. In 1991, about 5,300 tons of road vehicles were transported to San Jose by the direct sea route, and were off-loaded at two wharves. In 1992, nearly all of the 8,500 tons of road vehicles arriving at San Jose were off-loaded at the Caminawit Pier, the principal port facility at San Jose. In 1993, the road vehicle tonnage off-loaded at San Jose grew to nearly 10,000 tons, which was more nearly in balance with outbound traffic of around 13,000 tons. The LSRS does not have an explanation for the imbalance of vehicle traffic in two directions, although it is possible that many vehicles are arriving at Mindoro Island through Abra de Ilog and leaving through San Jose.

Liner Shipping Routes. The Batangas Port Study projected non-ferry (i.e., liner and tramper) cargoes at Batangas Port to reach the level of 132,000 tons in 1990, and then to grow rapidly (largely as a result of implementation of the port development project), to attain a year 2000 level of 1.7 million tons. The study foresaw a large flow imbalance, with only 32,000 tons of cargo being loaded at Batangas for outward domestic shipment to non-ferry ports, and only a very modest increase to 35,000 tons per

annum by the year 2000. The projected inward flows of cargo were 103,000 tons in 1990, rising to 1,656,000 tons in the year 2000. One commodity dominates the year 2000 inflow forecast of the study: a total of 1.5 million tons of basic iron and steel products was foreseen to be shipped from Iligan to Batangas, mostly for onward shipment by road to Metro Manila. Considering the importance of this commodity traffic projection relative to the overall cargo traffic projection for Batangas, it would have been useful if the Batangas Port Study had presented a transport cost comparison to support the study's view that steel would move primarily on the route through Batangas, rather than be shipped directly from Iligan to Manila by sea. Although the Port Study did not support its forecasts as thoroughly as might have been desirable, the LSRS views the steel cargo forecasts as reasonable in the light of the high levels of steel product cargoes that, in 1993, were already being shipped through Manila Port, from both domestic and foreign sources. The anticipated steel product shipments from Iligan to Batangas are contingent, in part, on the extent to which the metal fabrication industry will be shifted to CALABARZON from Metro Manila.

All of the other projections of the Batangas Port Study (the Interim Report, at least) for domestic sea trade growth at Batangas Port were low. Excluding steel product flows, the year 2000 domestic, non-ferry cargo volumes of the study were projected at 185,000 tons only, of which 150,000 tons were foreseen to be unloaded and 35,000 tons loaded at Batangas.

In contrast to these year 2000 forecasts of non-ferry domestic cargo at Batangas, actual 1991-1993 non-Mindoro cargo traffic at Batangas included:

- Approximately 50,000 tons of cargo inflows per year from Cagayan de Oro, mainly unmilled corn.

- More than 9,000 tons of two-way coastal movement of cargo between Batangas and Manila in 1992.

- Approximately 19,000 tons of cargo from Iligan, in 1992, of which 15,000 tons comprised animal feeds materials.

- More than 10,000 tons of inflows from the island of Negros in 1992.

- An average of more than 10,000 tons of cargo inflows per year from Bislig, Surigao del Sur, mainly coal.

- Two-way flows of about 6,000 tons per year between Batangas and Coron.

- Outward shipments of 15,000 tons to Romblon Province, in 1991, rising to an average of 25,000 tons per annum,

during 1992-1993, and about 14,000 tons per year moving in the opposite direction from Romblon ports.

- More than 73,000 tons of unprocessed wood from Butuan, in 1992, rising to 118,000 tons the following year.

- Approximately 18,000 tons per year of coconut oil and lubricants shipped from Legaspi.

- Shipment from Cebu of 9,000 tons of cargo, in 1992, rising to more than 32,000 tons in 1993.

- Somewhat more than 1,000 tons of cargo per year shipped from Batangas to ports of Antique, Panay.

From the foregoing, the cargo traffic projections of the Batangas Port Study (Interim Report) for domestic cargo traffic at Batangas, other than steel and cargo accommodated aboard RORO ferries, understate the traffic growth that already had occurred at the port, in both 1992 and 1993. On the other hand, even if these cargo flows attain, by the year 2000, a level that is 200 or 300 percent above what the Batangas Port Study anticipated for that year, they would not replace any substantial shortfall in the projected steel cargo, if that cargo should largely fail to materialize.

The LSRS notes that, even if the Batangas Port Study was correct in anticipating that 70 percent of steel product shipments from Iligan to Luzon will be made through Batangas Port once both the port and a planned integrated steel mill will have been developed, the long and continuing delays in building one or the other of two proposed integrated steel mills in the vicinity of Iligan, may mean that sharply higher steel product flows will only begin to occur sometime after the year 2000. Once a schedule for developing one or the other of the proposed mills has been "firmed", a survey to identify the optimal and probable spatial arrangement within the Metro Manila/CALABARZON area of existing and new metal fabrication plants would be needed to give a clear idea of the portions of shipments that might best be shipped through MNH and Batangas Port, to achieve minimization of delivery costs. The LSRS agrees that the CALABARZON region is more appropriate for new metal fabrication undertakings than would be any expansion of capacity within Metro Manila, so that Batangas Port is likely to increase its share of domestic steel product shipments from Iligan over time. In 1994, however, it is difficult both to project the year in which there will occur a substantial jump in the level of steel product shipments from Iligan to Luzon, or to identify the optimal split in shipments between Batangas and MNH.

Manila/Batangas Cargo
Attraction Comparisons

The islands of Busuanga, Tablas and Romblon are provided with liner shipping connections to both Manila and Batangas, and accordingly it may be useful to identify how cargo volumes are split between the service options for each of these islands. Cargo volumes between these islands and the ports of Batangas and MNH are identified in detail in Tables A.4 and A.5 of Annex A (Batangas) and Tables D.1 and D.2 of Annex D (MNH). (Only the cargo traffic at the commercial wharf at Batangas is considered, since the petroleum products which also move to Coron are not pertinent to the BLISDERR objective of identifying potentials for new liner shipping services.)

Coron (Busuanga). From the 1991-1993 cargo traffic information, it appears that Manila is more important than Batangas as a destination for Coron-generated cargoes, but Batangas is nearly as important as a source of supplies. As shown in Table 1, cargo movement from Batangas to Coron was at a level of 4,600 tons in 1991, rising only slightly to 4,800 tons in 1992, and then declining in 1993; shipments from the MNH to Coron amounted to just 3,450 tons in 1991, but rose considerably to top 5,000 tons the following year, and grew to nearly 6,200 tons in 1993. In the opposite direction, Coron cargo shipments averaged approximately 4,500 tons per year to MNH and just 1,400 tons per year to Batangas, during 1991-1993. Two-way trade volumes averaged 9,400 tons per year on the Coron-Manila route and 6,000 tons per year on the Coron-Batangas route. Thus, with twice-a-week services to both Luzon ports, Batangas has approximately a 40 percent share of Luzon/Busuanga trade passing through Coron Port.

Odiongan (Tablas). Odiongan is included among the "other municipal ports" of Romblon Province; although not all of the traffic under this heading in the Annex A and Annex D tables showing Batangas and MNH traffic can be presumed to be Odiongan traffic, it is likely that most of the cargo volumes shown are going in and out of Odiongan since only this port among "other" Romblon ports has liner services. Even more than in the case of Coron Port, Batangas is an importance source of cargo for Tablas Island, as shown in Table 2. Batangas is also more important than MNH as a destination for shipments from Tablas. As shown in Table 2, shipments of cargo from Batangas to Odiongan amounted to more than 10,000 tons in 1991, grew to more than 16,000 tons in 1992, and then reached more than 19,000 tons in 1993. Of these totals, road vehicle weight (accommodated aboard the RORO vessel serving the Odiongan route) amounted to around 2200 tons in 1991, increased to 4800 tons the following year, and then to more than 7,100 tons in 1993. By contrast, shipments of cargo from MNH to Odiongan (mainly) were about 5,700 tons in 1991, and declined each of the next two years, to 5,200 tons and 3,100 tons, respectively. Cargo

Table 2

Batangas Port & Manila North Harbor
Accommodation of Coron Palawan - Luzon Cargo, 1991 - 1993

Coron - Luzon	Batangas Port Throughput (m.t.)				Manila North Harbor Throughput (m.t.)				Combined 3-year Throughput		
									Metric	Share of Total (%)	
Cargo Flows	1991	1992	1993	3 yr. total	1991	1992	1993	3 yr. total	Tons	Batangas	North Harbor
Outflows from Luzon	4,629	4,844	4,243	13,716	3,451	5,103	6,167	14,721	28,437	48	52
Inflows to Luzon	1,182	1,495	1,521	4,198	3,637	4,741	5,185	13,564	17,761	24	76
Two-way flows	5,811	6,339	5,764	17,914	7,089	9,844	11,352	28,284	46,198	39	61

Source: National Statistics Office cargo O-D information. Cargoes accommodated at Batangas Port are identified in Tables A.4 and A.5 of Annex A of BLISDERR and MNH cargo volumes are identified in Tables D.1 and D.2 of Annex D.

Table 3

Batangas Port & Manila North Harbor
Accommodation of Odiongan, Romblon - Luzon Cargo, 1991 - 1993

Odiongan, Romblon - Luzon Cargo Flows	Batangas Port Throughput (m.t.)				Manila North Harbor Throughput (m.t.)				Combined 3-year Throughput		
									Metric	Share of Total (%)	
	1991	1992	1993	3 yr. total	1991	1992	1993	3 yr. total	Tons	Batangas	North Harbor
Outflows from Luzon	10,517	16,120	19,238	45,875	5,786	5,214	3,101	14,101	59,976	76	24
Inflows to Luzon	2,972	5,975	7,978	16,925	1,179	5,783	3,714	10,675	27,600	61	39
Two-way flows	13,489	22,095	27,216	62,799	6,965	10,997	6,814	24,776	87,576	72	28

Source: National Statistics Office cargo O-D information. Cargoes accommodated at Batangas Port are identified in Tables A.4 and A.5 of Annex A of BLISDERR and MNH cargo volumes are identified in Tables D.1 and D.2 of Annex D.

traffic was relatively lower on both routes in the opposite direction, in 1991, with trade cargo (excluding vehicles carried aboard the Odiongan-Batangas RORO vessel) amounting to only about 800 tons from Odiongan to Batangas, and a slightly higher 1,200 tons to MNH. In 1992, however, shipments to MNH jumped to more than 5,700 tons, while trade cargo tons shipped to Batangas languished at about 1,200 tons.

Romblon (port and island). The principal commodity shipped outward from Romblon is marble, and the MNH is much more important than Batangas as a destination for this commodity. Cargo shipments from Romblon to MNH totaled 18,000 tons in 1991, as shown in Table 4, and rose to nearly 20,000 tons the following year, before declining by more than 50 percent in 1993. Marble and building stone represented more than 85 percent of the shipments in 1991, but not much over 60 percent in 1992. Romblon shipments to Batangas were in the neighborhood of 8,000 tons in both 1991 and 1992, with marble and building stone shipments averaging 5,600 tons over the two-year period. Excluding marble and building stone, Romblon average annual cargo shipments were 5,500 tons to MNH and 2,400 tons to Batangas, during 1991-1992. Whether marble shipments are included or excluded, Batangas has roughly about a 30 percent share of the Romblon shipments to MNH and Batangas. To a slightly greater extent than in the case of Odiongan, however, Batangas is the favored source of Romblon supplies. Whereas shipments in the Batangas-to-Romblon direction were at the level of 5,000 tons in 1991, and rose to more than 10,000 tons in 1992, shipments from MNH to Romblon amounted to about 2,450 tons in 1991, and fell to less than 900 tons the following year. In 1993, MNH was the port-of-choice for slightly over one-quarter of Romblon inflows from Luzon, as the overall level of such inflows fell by nearly 30 percent from the 1992 level. The Batangas-Romblon route now had a fairly well-balanced two-way traffic flow, over the 1991-1993 period, whereas approximately 90 percent of the cargo traffic on the MNH-Romblon route, during 1991-1993, was in the northward direction.

From the foregoing discussion of the relative attractiveness of shipping to, and sourcing from, the ports of Manila and Batangas, it appears that Manila has an edge as a shipment destination from other areas of the Philippines. This might well be due to the importance of Manila as an international port, i.e., the cargoes attracted directly to Manila may be primarily those cargoes that need to make shipping connections for export. Otherwise, Batangas Port, even with its current severe constraints, appears to be highly and increasingly competitive with MNH for the southward movement of cargo. If, then, the capacity and efficiency constraints of Batangas Port are removed, and sufficient international traffic is accommodated there to attract frequent direct international services (mainly to Kaohsiung, Hong Kong and Singapore), it is likely that Batangas will attract at least an equal share of cargo with the MNH for many domestic routes.

Table 4

Batangas Port & Manila North Harbor
Accommodation of Romblon, Romblon - Luzon Cargo, 1991 - 1993

Romblon, Romblon - Luzon Cargo Flows	Batangas Port Throughput (m.t.)				Manila North Harbor Throughput (m.t.)				Combined 3-year Throughput		
									Metric	Share of Total (%)	
	1991	1992	1993	3 yr. total	1991	1992	1993	3 yr. total	Tons	Batangas	North Harbor
Outflows from Luzon	5,100	10,160	5,908	21,167	2,441	893	2,057	5,391	26,558	80	20
Inflows to Luzon	7,882	8,580	7,111	23,573	18,215	19,775	9,506	47,496	71,069	33	67
Two-way flows	12,982	18,740	13,018	44,740	20,656	20,668	11,563	52,887	97,627	46	54

Source: National Statistics Office cargo O-D information. Cargoes accommodated at Batangas Port are identified in Tables A.4 and A.5 of Annex A of BLISDERR and MNH cargo volumes are identified in Tables D.1 and D.2 of Annex D.

Passenger Services

The Batangas Port Study presumed (in its Interim Report at least) that passengers at Batangas would comprise only ferry passengers, with services being operated between Batangas and the three Mindoro north coast ferry ports of Calapan, Puerto Galera and Abra de Ilog. The study projected that these three routes would generate slightly over a million passengers in 1990, and then would experience rapid growth for another ten years, tripling to more than 3 million passengers in the year 2000. In contrast to the study's conservative growth estimate for cargo traffic on the Calapan-Batangas route (five percent per annum during the 1990s), the study forecast that passenger volumes on the route would rise by an average annual compound rate of 10.6 percent.

The study's forecast of total passenger traffic at Batangas in 1990 was 1,040,000, divided between 906,000 passengers on the Calapan route, 40,000 on the Puerto Galera route, and 94,000 on the Abra de Ilog route. Actual traffic growth on the Calapan route has been slower than projected, but the Puerto Galera route, in 1992, eclipsed its projected year 2000 traffic level, and traffic between Batangas and Abra de Ilog has grown at about the rate that the Batangas Port Study anticipated. Together, the three routes served just over one million passengers in 1992. Total passenger traffic at Batangas Port, in 1992, was 1,145,500 passengers. This total is approximately ten percent higher than the study's forecast for 1990.

Whereas the year 2000 RORO ferry passenger forecasts of the Batangas Port Study Interim Report are probably considerably higher than what now can be expected to occur by that year, overall passenger growth at Batangas Port is likely to exceed the forecasts of the study. Liner shipping passengers at the port already exceeded 140,000 in 1992, in contrast to the study's ignoring the possibility of such traffic.

The potential for passenger diversion to liner services at Batangas from liner services at Manila is probably at least as good as the diversion prospects for cargo traffic, considering that:

- Passengers would be reducing their sailing time by at least five hours. On the basis of the passenger conversion record from liner shipping services to Maharlika Highway/RORO ferry travel, it appears that the majority of passengers like to shorten their sea voyages and sailing times when they can easily do so. A five-hour sailing time reduction could be especially attractive during the typhoon season. A rough LSRS estimate is that sea conditions north of Cebu are uncomfortable for passenger travel about 90 days per year, i.e., approximately one-quarter of the time.

- Passengers would be reducing their total travel time in one direction by somewhere in the range of 2 to 8 hours, with the current road network and travel conditions, depending on precisely where their Luzon ultimate trip-end would be. If their ultimate trip-end is within Metro Manila or anywhere to the north of Metro Manila, then they will be saving only about two travel hours by going through Batangas. If, on the other hand, their ultimate trip-end is in Batangas Province or anywhere to the east or south of Batangas, then they will be saving about eight travel hours. As the road network is improved, so that road travel between Batangas and Manila becomes no more than two hours, the time saving range for passengers opting to pass through Batangas Port rather than the MNH will narrow to a range of 3 to 7 hours.

Provided that Batangas Port is made adequate for the accommodation of large numbers of liner shipping passengers, and a good modal interface (interprovincial buses and liner shipping and ferries) is provided at Batangas, and the expressway between Manila and Batangas is completed, then the franchising of new liner shipping services to Batangas is likely to divert between 50 and 100 percent of passenger traffic from existing routes to MNH. This statement does not mean that there will necessarily be 100 percent of the passengers on any route that would prefer to go through Batangas rather than MNH, but passenger demand for direct service to Manila could decline sufficiently on some routes, as to make it uneconomic to continue direct passenger services.

3. BATANGAS PORT LINER SHIPPING SERVICES

Introduction

Chapter 2 discussed, in general, the potential for the establishment of liner shipping services at Batangas, concluding that there are potentials for diverting 50 percent or more of passenger trips and domestic cargo movements, other than transit cargoes, that currently have a sea transport trip-end at MNH. Even the transit cargoes might be diverted to Batangas once international trade has developed sufficiently at the port to attract frequent international shipping services. In Chapter 3, the LSRS looks on a route-by-route basis at the prospects for instituting liner shipping services to Batangas. Because much of the potential cargo traffic that might be accommodated by such services would be diverted from routes to MNH, the MNH traffic information presented in the tables of Annex D is pertinent to the discussion in this chapter.

The terms of reference for the LSRS require that the study consider possible new services to link Batangas to Cebu, Cagayan de Oro, and the island of Panay. These possibilities are examined in this chapter, but LSRS fieldwork and analyses presented in other LSRS reports have also suggested that Batangas liner shipping linkages to Davao, a Leyte port, and Puerto Princesa, Palawan deserve consideration. The final section of the chapter tries to identify still other good liner shipping service possibilities for Batangas Port.

Liner Shipping Service Proposals & Evaluation

Batangas-Cebu Route

The MNH-Cebu route is 392 nautical miles (n.m.), and is served by a number of liner shipping operators, who employ passenger/cargo vessels and container or general cargo vessels to serve the route. Steaming time for large passenger/cargo vessels is around 21 hours. The Batangas-Cebu route has a route length of 303 n.m. The route is not franchised, in 1994, but would entail a steaming time of 16 hours for large passenger/cargo vessels. The potential voyage time reduction, with large passenger/cargo vessel diversion from a MNH terminus to a Batangas route terminus, would be 5 hours. Other types of vessels would realize greater time savings with diversion from MNH to Batangas.

There was a very sharp reduction in cargo volumes on the Cebu-

MNH route from 1991 to 1992. In 1991, approximately 729,000 tons of cargo were shipped from MNH to Cebu, and more than 408,000 tons were moved in the opposite direction. In 1992, these flows declined to 579,000 tons and 244,000 tons, respectively. The MNH decline in cargo inflows on this route was approximately 40 percent, while the decline in outflows was slightly over 20 percent. The LSRS has not had the opportunity to analyze the reasons for these declines of cargo traffic, but notes that Cebu exporters were reportedly facing difficulties due to the strength of the Philippine peso in 1992, and increased direct calls at Cebu by international shipping vessels probably reduced the extent to which Cebu-generated international trade had to be transshipped at Manila. There were also reasons related to individual industries; for example, the decentralization of bottling by beer and soft drink companies accounted for a 49,000 ton reduction in the two-way flow of bottles between Cebu and MNH in 1992, as compared to 1991.[1]

The tonnages of milled rice shipped from MNH to Cebu rose from 31,000 tons in 1991, to 46,000 tons in 1992. With Batangas-Cebu liner shipping services, Batangas would likely replace Manila as a source for Cebu supplemental rice inflows, since the preponderance of the large rice surpluses of Mindoro Island go through Batangas. As identified in Chapter 2, Batangas can be expected to become Cebu's principal source for cargoes from Luzon, but the portions of Cebu export/import trade that need to continue to be transshipped at another port are likely to continue to be accommodated on the MNH-Cebu route.

Cebu Port and Batangas Port have in common that they are probably the two most underdeveloped ports of the Philippines relative to the volumes of traffic that they might potentially be accommodating. It is urgent that Cebu-Davao, Cebu-Iloilo, and Cebu-Zamboanga liner shipping cargo services be expanded, yet the severe constraints of the port make the expansion of these services difficult to do. Once both ports have been upgraded and expanded,

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[1] Although the NSO information on cargo O-D appears generally to be reasonably accurate, and has proven to be a boon for conduct of the LSRS, every once in a while the NSO provides a figure that appears to be incorrect. When a shift of three digits would produce a reasonable figure for annual trade of a commodity on a route, the LSRS has presumed that the NSO figure was erroneously stated in kilograms instead of tonnages and the figure is adjusted accordingly. If a shift of fewer than three digits appears appropriate, however, the LSRS makes no adjustment, but lets the NSO figure stand as reported. In the case of Cebu-MNH, the NSO reports the shipment of more than half a million tons of household utensils from MNH to Cebu in 1993, as shown in Table D.1 of Annex D. Since the LSRS suspects that one or two digits should be shifted to the right of the decimal point, for an accurate indication of tonnages, no comparison is presented in this report of the magnitude of 1993 overall cargo traffic on the Cebu-MNH route to the levels of 1991 and 1992.

hopefully by the year 2000, liner shipping services between them are likely to accommodate at least 50 percent of Cebu-Central Luzon/Southern Tagalog trade, and probably as high or higher a proportion of the sea passenger traffic between the two areas.

The high passenger traffic diversion, however, will occur only if Batangas-Cebu services are provided on a several-times-per-week basis, as services between MNH and Cebu are in 1994. Passenger volumes on the MNH-Cebu route averaged nearly 1,000 passengers per direction per day, during 1992, and the route has good passenger growth prospects. By the time that both Batangas Port and Cebu Port (which currently has no passenger terminal) have been developed to accommodate new services between them, the combined Cebu-Central Luzon/Southern Tagalog passenger traffic will probably have eclipsed the million-per-annum mark. Thus, Batangas Port is likely to have 500,000 liner shipping passengers per year, just from this single route, soon after the port development project has been fully implemented, i.e., in the year 2000 or soon thereafter.

Batangas-Cagayan de Oro Route

Cagayan de Oro shippers of grains are already asking that liner shipping services be instituted between Cagayan de Oro and Batangas, because they are shipping 50,000 tons of grain per year on the route, even in the absence of liner services. The large volumes of perishable goods being shipped from Cagayan de Oro to MNH are also susceptible to diversion to Batangas-Cagayan de Oro services, because the reduction of five or more hours of sailing time could be of importance for the preservation of quality of these commodities. This is why, for example, that Romblon fish traders prefer shipping through Batangas rather than directly shipping to Manila.

Much of the anticipated Iligan steel product flow to Metro Manila and the CALABARZON region (see Chapter 2 discussion of Batangas Port Study forecasts) may also go through Cagayan de Oro, since Iligan Port is unprotected from rough seas, and is likely to remain so. Shipment through Cagayan de Oro might be essential, therefore, for ensuring highly reliable delivery schedules. Significant volumes of outward shipments of cargo originating from the Iligan area (and the Butuan/Nasipit area) were already, in 1993, going through the port of Cagayan de Oro, because of the more frequent and more reliable liner shipping services provided at that port.

Two-way cargo traffic between Cagayan de Oro and MNH grew by about 8 percent in 1992, from a 1991 total of 248,000 tons to a total of 269,000 tons, and then declined slightly to around 260,000 tons in 1993. The 1991 trade was almost perfectly balanced in two directions, but, in 1992, inflows at MNH from Cagayan de Oro

declined slightly to about 120,000 tons, while shipments to Cagayan de Oro were rising to a level of 149,000 tons. In 1993, MNH inflows from Cagayan de Oro declined further, to a level of around 100,000 tons, and that decline more than offset a continuing rise in cargo flows in the other direction, with MNH outbound cargo destined for Cagayan de Oro nearly reaching 160,000 tons.

Dairy products represent the single most important commodity grouping among cargoes moving in the MNH-to-Cagayan de Oro direction. These shipments from MNH grew by nearly 8,000 tons between 1991 and 1992, reaching a total of 16,800 tons in the latter year, but dairy product shipments then declined in 1993, to a level of slightly more than 12,000 tons. The dairy industry, like the bottling industry, is in the process of national decentralization, so long-distance interisland shipments of these commodities might be expected to decline in the future.

The decline of cargo volumes shipped from Cagayan de Oro to MNH, from 1992 to 1993, was entirely due to a fall in the shipment of unmilled maize; whereas more than 43,000 tons had been shipped from Cagayan de Oro to MNH in 1992, the 1993 volume was less than 18,000 tons.

On the basis of the Chapter 2 conclusions regarding Batangas being a preferred source (in comparison to MNH) of the cargo inflows required by other areas of the Philippines, and being competitive with MNH for non-export/import cargo outflows of other areas, a minimum of 50 percent of Cagayan de Oro-MNH cargo flows is estimated to be potentially divertible to Batangas-Cagayan de Oro services. If CALABARZON development results in the rapid growth of international shipping services at Batangas, then a significantly larger proportion than 50 percent of MNH-Cagayan de Oro cargo traffic is likely to divert to the new services.

As passenger trips by either sea or air transport lengthen, the final few hours become ever more tiring, boring, and perhaps also nauseating. The LSRS estimated, above, that half or more of the passengers traveling between Cebu and Central Luzon/Southern Tagalog will divert from MNH-Cebu services when they have the option of reducing sailing time by five or more hours and their total travel time by 2 to 8 hours, with the inauguration of Cebu-Batangas services. The sea distance from Cagayan de Oro to MNH is 504 n.m., and the voyage time is about 32 hours, i.e., about 10 or 11 hours longer than traveling between Cebu and MNH. The route distance for Batangas-Cagayan de Oro is 425 n.m. The possibility of eliminating the final 5 or 6 hours of sailing between Cagayan de Oro and Luzon is likely to be very attractive to travellers at all times, and irresistible during much or all of typhoon season. Provided that frequent services are performed on the Batangas-Cagayan de Oro route, 60 to 80 percent diversion of passengers from MNH to Batangas should be possible. The direct services between MNH and Cagayan de Oro accommodated about 102,000 passengers, in

1992, and other passengers were accommodated between these two ports by services making intermediate calls at Cebu, Iloilo, or Dumaguete. It is probably reasonable to expect that passenger volumes between Batangas and Cagayan de Oro will reach the 100,000-per-year level soon after the port development project at Batangas has been completed.

Batangas-Davao Route

The LSRS is recommending in other volumes of the Final Report that additional liner shipping services be franchised between Cebu and both Davao and Zamboanga. In the absence of such new services, Batangas would be a preferable port, to the continued use of MNH, for the transshipment of cargoes between Cebu and the Mindanao ports. A two-way total of 10 to 12 sailing hours would be saved per shipment by this change in the point of domestic transshipment. (Of course, the additional direct services recommended by the LSRS would still constitute the optimal improvement, and would eliminate the altogether the needs for transshipment.)

There are competing commercial ports at Davao and both accommodate large volumes of cargo traffic between Davao and MNH. The PPA port of Sasa Wharf accommodated 457,000 tons in the northward direction and 166,000 tons in the southward direction, in 1991, and these volumes grew the following year to 490,000 tons and 266,000 tons, respectively. Two-way cargo volumes grew by 21 percent, from 623,000 tons in 1991 to 756,000 tons in 1992. In 1993, however, cargo volumes moved between Sasa Wharf and MNH decined, principally because of a 55,000 ton reduction in the annual volume of corn shipments, and a 67,000 ton reduction of shipment of wood charcoal, from 1992 to 1993.

The private port of Tefasco accommodated mainly cargoes moving in the northward direction, during 1991-1993. These MNH-bound cargoes totaled 133,000 in 1991, declined to 108,000 in 1992, and then to only 70,000 tons in 1993. As shown in Table D.1, no cargo was moved in the southward direction to Tefasco in either 1991 or 1993, and only about 2,000 tons were moved from MNH to Tefasco in 1992.

Some of the Davao-generated cargoes which would be likely to divert from Davao-MNH services to Davao-Batangas services include:

- Livestock shipments. In both 1991 and 1992 these totaled to around 16,000 tons, before declining, in 1993, to a level of 11,500 tons. Davao shippers complain of the weight loss suffered by their animals on their way to MNH, and many of the animals are moved to Cavite after arrival at MNH, to regain their health and weight. Shippers would like the shortening of the voyage and the

more direct route to the animal rehabilitation area.

- Horticultural crop shipments. One of the industrial undertakings in the CALABARZON region is scheduled to be a fruit processing plant to be built in Cavite by KLT Fruits Inc. By 1996, the processing plant is expected to require more than 168,000 tons of fruits per year for processing. Davao is the principal area of fruit production surpluses in the Philippines, and therefore a natural source of some of the production inputs for the processing plant. Horticultural commodities destined for sale on Luzon markets may also shift to Davao-Batangas liner service to avail of the shorter voyage time, which should help to preserve the value of these perishable commodities. In 1991, more than 100,000 tons of horticultural commodities were shipped from Davao to MNH, but tonnages dropped sharply to a range of 34,000-37,000 tons per annum, during 1992-1993.

- Corn. Shipments of unmilled corn from Davao to Manila rose by more than 60,000 tons in 1992, from a 1991 level of 78,000 tons, to reach a level of 139,000 tons. In 1993, shipments declined again, almost to the level of 1991. None of these volumes were for export, and it is likely that Davao-Batangas liner shipping services would cause some significant portion of these corn flows to divert to the livestock feeds industry in the area of Batangas.

Where passengers are concerned, the start-up of Davao-Batangas liner shipping services would probably cause an immediate diversion of all of those passengers with an ultimate Southern Tagalog or Bicol trip-end, and other passengers currently being accommodated by Davao-MNH services would be likely to divert more gradually to the services terminating at Batangas, after experiencing voyages that they wished had been shorter. It is not beyond the realm of possibility that passenger traffic on the existing Davao-MNH route could decline to a level that would no longer warrant the continuation of passenger services on that route. In any case, the average annual passenger load factors for vessels operating between Batangas and Davao are likely to be significantly higher than those for any services which continue to be operated directly to MNH, simply because the shorter voyage and travel times offered by the proposed new services represent significant advantages vis-a-vis the MNH-Davao services.

Batangas-Panay Island Routes

The route options being considered are a Batangas service connection to Iloilo and/or to a Panay north coast port. These

ports include Culasi, the port of Roxas City, Capiz, and the Aklan Province ports of Batan, Dumaguit, and New Washington. Route distances from MNH are 340 n.m. to Iloilo and 247-250 n.m. to Culasi, Dumaguit, Batan and New Washington. The route lengths from Batangas would shorten to 280 n.m. to Iloilo and to about 165 n.m. to the Panay north coast ports.

In 1991, trade between Manila and Iloilo was almost perfectly in balance, with more than 99,000 tons being shipped in the northward direction, and 102,000 tons moving in the opposite direction. The NSO data on 1992 flows from Iloilo (Table D.2) contain a large error, showing more than 230,000 tons of bottles being shipped in that year. From the NSO value figure of P80 million for this cargo flow, it appears that the correct tonnage figure is in the neighborhood of 10,000 tons, which would mean that approximately 164,000 tons of cargo were shipped from Iloilo to MNH in 1992, representing about a 65 percent jump in traffic from the previous year. In the opposite direction, traffic grew by almost 15 percent, to reach a level of more than 117,000 tons.

Portions of these cargo flows, but probably relatively minor portions, are goods that must be transshipped at MNH, to permit trade in perishable commodities between Panay and Palawan and to make possible a portion of the trade between Panay and Mindoro. These cargoes would benefit from shifting to proposed Batangas-Iloilo liner shipping services. The proposed services could be expected to divert, also, a significant proportion of the Panay-Central Luzon/Southern Tagalog trade, especially in the southward direction, i.e., Batangas is more competitive with MNH as a source for cargo than as a destination. Northward shipments of those perishable commodities which are not for export would also be highly susceptible to diversion to the proposed services, because the shorter voyage would help to preserve their quality. Among these northward shipments, in 1992, were more than 16,000 tons of fresh/chilled fish and 3,000 tons of fruits.

Passenger volumes were slightly higher on the MNH-Iloilo route, than on the MNH-Cebu route, in 1992. Provided only that Batangas Port and Iloilo-Batangas liner shipping services can accommodate them, the five-hour voyage time reduction offered by these services, and the 2- to 8-hour reduction in total travel time, would divert half of these passengers, at least, during all portions of the year, and a significantly higher proportion during the typhoon season. This diversion would add a minimum of 400,000 passengers per year to Batangas Port traffic, if start-up of the service were immediately possible, and, provided only that services are instituted to meet total demand for them, year 2000 passenger traffic on a Batangas-Iloilo route is likely to surpass the 500,000 passenger level.

Culasi Port ships fairly sizable quantities of cargo to MNH, but receives relatively less in return. In both 1991 and 1992,

about 28,000 tons of cargo left Culasi Port for MNH, and cargo volumes grew to 35,000 tons in 1993. Return cargo flows were at about a level of just 8,000 tons per year, over 1991-1992, but then rose to around 25,000 tons in 1993. Nearly one-quarter of the outflow from Culasi, during 1991-1993, was comprised of empty bottles, but seafood constituted the most important outflow (especially in value terms), reaching a level of about 10,000 tons in both 1991 and 1992, before increasing to more than 16,000 tons in 1993. During LSRS fieldwork on the north coast of Panay, in 1993, however, shippers of fish indicated that they were, at that time, shipping 70 percent of their fish through Iloilo, because of the frequent and reliable services at that port, and were shipping about ten percent of their fish to Manila by air.

The three Aklan ports received from MNH combined totals of 14,000 tons of cargo in 1991, about 9,500 tons in 1992, and nearly 9,000 tons the following year. The outward shipments from these ports to MNH declined by about the same extent, over the three years, from a 1991 total of more than 17,000 cargo tons to 1992 and 1993 totals of 13,300 tons and nearly 10,000 tons, respectively. The reduction in outward flows was due primarily to a fall in the level of empty bottle movements; these had totaled 7,500 tons in 1991, and fell to an average of 2,100 tons per annum, in 1992-1993.

The LSRS is recommending in other volumes of this Final Report that a master plan be developed for Iloilo Port, and that the plan preparation include the identification of the appropriate role of the port in serving the various portions of the island of Panay. It is the expectation of the LSRS that, with a well-developed Panay road network, Iloilo Port could be appropriately developed to serve most or all of the island where export/import trade and domestic containerized cargo movements are concerned. Other ports of Panay would then mainly serve passenger and breakbulk cargo movements, including shipping services in a few long-distance routes. One of these latter would probably be a connection between Batangas and both Culasi and one of the Aklan ports. PPA officials indicated to LSRS team members, in 1994, that it is a PPA concern to more clearly define the role of Panay north coast ports, and to determine which, if any, merits a development effort in line with a future expanded role in serving Panay's interisland transport requirements.

Batangas-Leyte Routes

Both Tacloban and Ormoc are slightly less than 300 n.m. from Batangas. The former port has the advantage of serving a hinterland that also includes much of Samar, whereas the latter port has the advantage of easy entrance and exit, in contrast to the navigation difficulties involved with reaching Tacloban from the north, i.e., through the shallow, narrow, 32-kilometer San

Juanico Strait. The LSRS is recommending in other volumes of this Final Report that PPA conduct a study to consider which of Leyte's ports (not necessarily either of these two) is eventually to be developed to serve the Eastern Visayas' international and domestic containerized cargo trade.

Currently, Tacloban is the dominant Leyte port. Table D.1 shows that shipments from MNH to Tacloban amounted to 83,000 tons in 1991, grew by more than 50 percent in 1992, to reach a level in excess of 130,000 tons of cargo, and declined again to around 100,000 tons of cargo in 1993. There is a very large cargo imbalance on the route, with northbound cargo shipments from Tacloban to MNH being much smaller than the southbound cargo volumes. Northbound cargoes totaled less than 19,000 tons, in 1991, then dropped to around the 13,000-ton level in both 1992 and 1993.

In contrast to the fairly large cargo levels on the MNH-Tacloban route, the two-way trade between Ormoc and MNH was only about 12,000 tons per annum, during 1991-1993, with southbound shipments being approximately three times the levels of northbound shipments.

The Batangas-Tacloban/Ormoc route is very promising, considering:

- Batangas appears to have a significant edge over MNH as a supplier port when a liner shipping connection is provided to Batangas (see Chapter 2 discussion of routes with existing liner services to both MNH and Batangas), and 85-90 percent of the traffic on this route is in Leyte's supply direction (i.e., inward).

- Leyte and Samar are also rice and salt deficit areas, and buyers on these islands would like to have services to Batangas instituted to give them regular access to the rice surpluses and salt of Mindoro.

- MNH-Tacloban liner services have lost much of the passenger traffic between Central Luzon/Southern Tagalog and the Eastern Visayas to the competing road transport/RORO ferry services. Shortening the sea voyage by five or six hours would offer a chance for the sea transport option to regain portions of this passenger traffic.

Batangas-Puerto Princesa Route

In 1994, Puerto Princesa and the majority of Palawenos have sea transport access to Luzon just once a week. Most of the

benefits of instituting services on a Batangas-Puerto Princesa route could, frankly, also be gained by doubling the frequency of services between Puerto Princesa and MNH. There would, however, be some incremental value of the Batangas-Puerto Princesa service, as compared to a second weekly voyage on the MNH-Puerto Princesa route, since portions of the cargo and passenger traffic will have Southern Tagalog and Bicol ultimate trip-ends, rather than trip-ends at Metro Manila or north of Metro Manila. That is, little or no cargo or passenger traffic would find Puerto Princesa-Batangas shipping services to be disadvantageous vis-a-vis Puerto Princesa-MNH services, but some traffic would derive significant advantages from the proposed alternative services to Batangas.

As shown in Tables D.1 and D.2, cargo movements between MNH and Puerto Princesa amounted to more than 91,000 tons in 1991, grew to 104,000 tons in 1992, and then declined to somewhat less than 100,000 tons in 1993. Approximately 40 percent of the cargoes on the route moved from Puerto Princesa to MNH, during 1991-1992, with 60 percent moving in the opposite direction. In 1993, however, approximately three-quarters of the cargo on the route moved in the MNH-to-Puerto Princesa direction.

Depending along which side of Mindoro Island a vessel serving the Puerto Princesa-Batangas route would pass, the route distance would be either 315 n.m. or 322 n.m., whereas the MNH-Puerto Princesa route distance is 363 n.m. The distance advantage of the Batangas route is, thus, about half of the advantage offered in the case of alternative Luzon service connections to Cebu. If the proposed Batangas-Puerto Princesa services could have been inaugurated in 1994, they would probably have diverted half of the MNH-Puerto Princesa cargo traffic, just because a second voyage was being offered per week. That is, shippers indicated that a second voyage per week was needed between Puerto Princesa and Luzon, and that a terminus at Batangas would be satisfactory, although not preferable to a second operator instituting services between MNH and Puerto Princesa. Using the Coron experience as a guide (see Table 2), the Batangas route might be expected to accommodate about half of the cargoes moving from Luzon to Puerto Princesa, once services have actually been inaugurated on the route, but to accommodate only some smaller proportion of the cargo moving in the other direction.

Other Possible Liner Services

Nearly any MNH interisland liner shipping route might usefully be paralleled by shipping services operating to Batangas, after that port has been developed to adequately accommodate such services. In addition to the Cebu, Cagayan de Oro, Davao, Panay Island, Leyte Island, and Puerto Princesa connections discussed in the foregoing sections of this chapter, a few additional useful

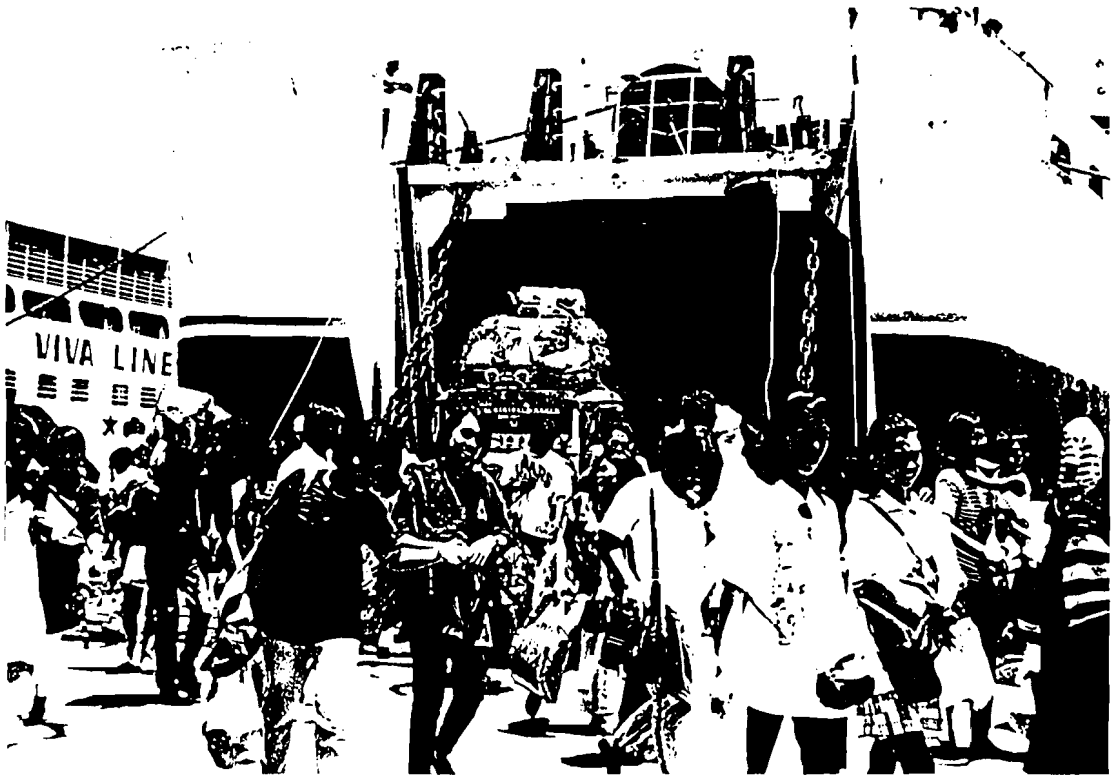
liner shipping connections to Batangas Port might include:

- Iligan. The Batangas Port Study projections of cargo traffic at Batangas identified prospects for a very heavy flow of traffic between Iligan and Batangas, principally annual shipments of 1.5 million tons of steel products. As shown in Table D.2, actual shipments of iron and steel products from Iligan to MNH totaled more than 76,000 tons, during 1991-1993, or an average of about 25,000 tons per year. Despite the delay which is occurring in developing Iligan-Luzon trade in basic metal products, the fairly heavy volumes of other cargoes on the route, and the volumes of Iligan-Manila passengers, make it desirable to institute Batangas-Iligan services whenever this becomes possible.

- Ozamis. In addition to, or in preference to, establishing liner shipping services between Batangas and Iligan, services might be instituted between Batangas and the port city of Ozamis. The hinterland of the port of Ozamis is being expanded by virtue of the implementation of a number of road projects which result in improved access to the port. PPA has noted the growing potential for Ozamis Port, and has indicated to the LSRS that the port will be developed in line with its potential. The port and liner services operated to it can greatly shorten the shipment and travel distances from the southeastern portion of the Zamboanga Peninsula to most points north of Mindanao. Grains, horticultural crops, and livestock might advantageously move from a sizeable area of Mindanao to Luzon through the ports of Ozamis and Batangas.

- Bohol. The island of Bohol is not adequately served, in 1994, by the once-a-week passenger service connection it has to Manila, and perishable cargoes would also benefit considerably from any expansion of shipping services connecting to Luzon. A connection to Batangas would essentially provide all of the benefits of introducing a second operator to the MNH-Tabilaran route, but would in addition serve the Southern Tagalog region better than does the existing service.

PORT OF BATANGAS



Disembarking passengers intermingling with cargo jeepneys upon vessel arrival at the port.

Typical cargo jeepney carrying heavy loads of agricultural products from the island of Mindoro.

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4. FINDINGS & RECOMMENDATIONS

BLISDERR Findings

The 1985 Batangas Port Study Interim Report provided fairly accurate projections of how RORO ferry traffic would grow between Batangas and Mindoro Island from 1983 to 1990. The year 2000 Batangas Port traffic forecasts of the same report, however, appear to be flawed in the following respects:

- The study projected no passenger traffic at the port other than passengers traveling to and from Mindoro.

- The study did not present an adequate justification to support its forecast that 70 percent of steel product shipments from Iligan to the National Capital Region and CALABARZON (1.5 million tons out of total trade flows of 2,160,000 tons, in the year 2000) would pass through Batangas.

- Except for steel product shipments, the study understated the potential for domestic non-ferry cargo at Batangas, and 1992 non-steel, non-Mindoro cargo traffic at Batangas already exceeded the projected year 2000 volumes of such traffic.

The three ports which have had liner shipping service connections to both Batangas and MNH, during the early 1990s, are Romblon (Romblon Island), Odiongan (Tablas Island), and Coron (Busuanga Island). In the cases of the two Romblon Province ports, Batangas has been much more important than MNH as a source of cargo, and in the case of Coron, Batangas and MNH have been about equally important as gateways for supplies from Luzon. Batangas is also the most important destination port for cargoes from Tablas Island, but MNH is the much more important port for Romblon and Coron. Partly on the basis of these port preferences, but also taking into consideration the cargo traffic growth which has occurred at Batangas despite the limited liner services operated to that port, the LSRS has concluded that a very large potential exists for the diversion of cargo traffic from MNH to Batangas. A minimum of 50 percent diversion of non-export cargo traffic and of passenger traffic is likely on most routes, provided only that the Batangas Port is developed to satisfactorily accommodate these traffic volumes.

Passengers diverting from services operated to MNH to services operated to Batangas will usually save at least five hours of voyage time, and between 2 and 8 hours of total travel time, with this range narrowing to 3 to 7 hours after 2-hour travel between Batangas and Manila, via expressway, becomes possible.

Once the Batangas Port development project has been completed, Batangas should have liner shipping connections to a number of ports, among which the more important are Cebu, Iloilo, Cagayan de Oro, and Davao. In the view of the LSRS, these four routes, alone, will add more than one million tons of cargo traffic and well over one million passengers per annum to the port's traffic, almost as soon as the expansion and upgrading project can be completed (i.e., by about the year 2000).

Other services are certainly also desirable, and one of the most desirable would be between Batangas and a Leyte port, probably Tacloban, but perhaps Ormoc. Services between Batangas and the ports of Iligan, Ozamis, Tagbilaran, and Puerto Princesa would also be likely to divert large volumes of cargo and passenger traffic from existing routes to MNH.

Considering the prospects for high levels of domestic cargo and passenger traffic at Batangas Port, and the delay in implementing the first phase of the port development project, the port is likely to remain congested when that development phase has been completed. **The limiting factor on traffic volumes at Batangas Port is likely to continue to be the port's capacity for traffic accommodation, notwithstanding the implementation of currently planned port development.**

It is possible that a significant portion of the traffic diversion identified in this report will pass, not through Batangas, but through a port still farther to the south. Direct liner shipping services between Cebu and the Lucena City port of Dalahican is being promoted by the Philippine Government as a "flagship" project, and would offer greater diversion benefits than a Batangas route for passengers currently sailing to and from MNH. The proposed ports of Pagbilao (near Lucena) and a "Bicol regional port" would also attract some portions of the cargo and passenger volumes being projected by BLISDERR for Batangas Port. Such "rediversions" of traffic, i.e., from Batangas to Dalahican, Pagbilao and a Bicol port, after diversion from MNH to Batangas, does not affect the medium-term desirability of instituting liner services to Batangas Port, but affects only the long-term growth prospects of interisland traffic at Batangas Port.

Recommendations

LSRS recommendations in regard to the development of liner shipping services at Batangas Port are:

- The Batangas Port development project should be reexamined by PPA and MARINA to ensure that capacity to accommodate potential liner shipping cargo and passenger traffic can be provided in the shortest possible time.

This may involve more than only completing the planned work as quickly as possible. The planned 230-meter multi-purpose wharf, with 10-meter depth alongside, is likely to have to be devoted entirely to interisland liner shipping services, and 8-meter depth alongside may therefore be sufficient. The LSRS has made no investigation of international shipping traffic potential at Batangas, but notes that underprovision of international facilities is a national port problem at the present time. Most or all of the liner shipping services to be franchised at Batangas will be performed with passenger/cargo vessels, and these vessels must be able to dock soon after their arrival at Batangas; international cargo vessels will then need to queue for the single international ship berth planned for the port.

- If at all possible, Batangas-Tacloban (or Ormoc) liner shipping services should be franchised even before the Batangas Port development project is implemented. These services will facilitate trade between the Eastern Visayas and both Mindoro and CALABARZON, and may have the added effect of stemming the loss of sea transport passengers to competing road transport/RORO ferry services, since the service to Batangas would shorten the duration of the liner shipping voyage option by five or six hours.

- MARINA and PPA should discuss and agree upon a schedule for the franchising of other liner shipping services at Batangas. MARINA should make every effort to attempt to identify for PPA the sizes and types of vessels that will be calling at the port, and an optimal schedule for their calling. With the shift of large proportions of MNH cargo and passenger traffic to Batangas, some of the vessels on MNH routes might desirably shift, as well. The Batangas routes to Cebu, Iloilo, Cagayan de Oro and Davao will, between them, generate at least a dozen calls a week by large domestic vessels, as soon as the port is able to accommodate them.

ANNEXES

ANNEX A

BATANGAS PORT DEVELOPMENT PROJECT

Introduction

Batangas is located on the west coast of Luzon, and is approximately 100 kilometers almost due south of Manila. The port is located in the northeast portion of Batangas Bay, which is a natural site for the development of port facilities. The Bay has 180 square kilometers of water area, and the entrance to the bay is 16 kilometers across. The bay is well-protected by Mindoro and Maricaban Islands and (on the west) by the Calumpan Peninsula. The bay also has a steep underwater slope. Thus, for the most part, the bay has calm and deep water.

Public port facilities exist at Batangas and at Bauan (at almost the northernmost point of the bay), and there are in addition more than a dozen private port facilities around the coast of the bay. These include two petroleum refineries that accommodate millions of tons of crude petroleum each year, three shipyards that engage mainly in ship repair services, and other facilities which are associated with manufacturing (flour production, steel fabrication, etc.). The presence of these several facilities limits the options for development of additional port facilities.

Some feasible options nevertheless exist, and a major expansion of Batangas Port is planned. Planning for the Batangas Port development project was started in 1985, and the project is considered to be one of the anchor projects of the Cavite-Laguna-Batangas-Rizal-Quezon region (CALABARZON). Phases I and II of the project have been approved by the National Economic and Development Authority (NEDA), with available funding from Japan's Overseas Economic Cooperation Fund (OECF). Funding for Phase III implementation has still (in 1994) to be negotiated.

Batangas Port's existing facilities are already limited compared to the large number of domestic vessels that dock at the port, as well as the volume of cargoes (mostly rolling cargoes) which pass through the port. The existing berths are already inadequate, with 8 ramps for RORO vessels and one berth for foreign vessels. The port operates on three shifts, from 0700 to 1500 hours, 1500 hours to 2300 hours, and 2300 hours to 0700 hours.

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Shipping and Cargo Traffic

Table A.1 provides the list of vessels that called at Batangas Port in 1992, identifying the vessel specifications and their other ports of call. Most of the vessels are under 1200 GRT in size, although there are eleven vessels of more than 1200 GRT. The figures for DWT are as the LSRS received them, but appear to be somewhat overstated for several vessels.

Tables A.2 and A.3 present the cargo traffic record of Batangas Port for 1992 and for the first eleven months of 1993. The tables show cargo by month and by route, and indicate whether it was flowing inward or outward at Batangas. As shown in the tables, relatively little cargo was moving in the outward direction. Cagayan de Oro was the most important source of cargo traffic in both years.

Tables A.4 and A.5 present the Batangas cargo origin-destination (O-D) information of the NSO, for the three years, 1991 through 1993. Only the cargo accommodated over the commercial pier is shown in these tables. There are also significant amounts of traffic handled at private port facilities in Batangas Bay, nearly all of which is accommodated by tankers and tramping vessels. Table A.4 indicates the importance of Cagayan de Oro as a source of unmilled maize, with approximately 42,600 tons being shipped to Batangas in 1991, more than 52,500 tons being shipped the following year, and another 50,000 tons being shipped in 1993.

The principal trade of Batangas, however, is with the island of Mindoro. Much of the cargo is carried aboard road vehicles accommodated on RORO ferries, in which case the commodity tonnages are "hidden" in the tonnages of "all other commodities & minor flows"; this occurs because the cargoes aboard loaded cargo vehicles are not identified by cargo type, but only by very rough approximations of weight, and any such cargo, then, falls into the "all other" category. As shown in Table A.4, an annual average of more than 380,000 tons of cargo was moved from Calapan to Batangas, during 1991-1992, of which more than 144,000 tons comprised loaded and unloaded "road transport equipment". In 1993, the volume of "all other commodities" grew to 320,000 tons, whereas most of the breakbulk cargo flows dropped sharply; in 1993, also, the volume of road vehicles totaled 132,000 tons, so that the overall cargo volume in the Calapan-to-Batangas direction exceeded 450,000 tons. In the other direction (Table A.5), an annual average of 280,000 tons of cargo was moved from Batangas to Calapan, and the road transport equipment volumes were about the same as in the Calapan-Batangas direction, i.e., an average of 135,000 tons per annum.

Mindoro Island produces large rice surpluses that exceed the island's capacity for milling, so that interisland movement of significant amounts of rice in its unmilled (palay) form is

necessary. Table A.4 indicates that an average of more than 20,000 tons of palay per annum moved from Calapan to Batangas, during 1991-1992, and milled rice shipments averaged more than 26,000 tons per annum over the same period. Other major commodity movements from Calapan to Batangas, during 1991-1992, included an average of 32,000 tons of vegetables per year, more than 36,000 tons of fruit per annum, and approximately 24,000 tons of copra in the average year. Shipments of fish totaled nearly 4,000 tons per year. In addition to these breakbulk cargo volumes, large quantities of these commodities and other products were moved from Calapan to Batangas aboard cargo vehicles. As indicated above, the cargoes accommodated aboard vehicles shift to the "all other commodity" category, since neither the ferry operators nor the PPA undertake to identify them by commodity type. For example, thousands of tons of bananas are shipped from Mindoro to Batangas each year, yet the volumes shown in Table A.4 average less than 500 tons per year; the bananas are mostly loaded in cargo jeepneys, with only small quantities shipped as breakbulk cargo, so that NSO statistics include the preponderance of these banana flows as "other cargo". In the opposite direction, i.e., from Batangas to Calapan, the principal commodities moved are cement, fertilizer, and bottled beverages.

San Jose, Occidental Mindoro, is another port of Mindoro with large volumes of cargo moving to and from Batangas. An average of nearly 30,000 tons of cargo was moved from San Jose to Batangas, during 1991-1993, with approximately one-half of the total being comprised of road vehicles. Batangas shipped more than 20,000 tons of cargo per annum in the opposite direction, during 1991-1993, with approximately 7,000 tons being comprised of road vehicles.

Other principal cargo inflows at Batangas, as shown in Table A.4, included: more than 70,000 tons of unprocessed wood moving from Butuan in 1992, rising to 118,000 tons in 1993; approximately 40,000 tons of coconut oil arriving from Legaspi during the three-year period; more than 5,000 tons of marble per year arriving from Romblon; and more than 30,000 tons of coal coming from Bislig, Surigao del Sur. Batangas shipped about 4,000 tons of cargo per annum by sea to Manila, during 1991-1992, but these cargo movements declined to less than 2,000 tons in 1993. An average of 4,000 tons of cargo per year was shipped through Batangas to the port of Coron, Palawan during 1991-1993.

Planned Batangas Port Development

The planned Batangas port project includes the construction of:

- A 185-meter wharf for foreign general cargo, with 11-meter water depth alongside, sufficient for the

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accommodation of fully-loaded vessels of more than 20,000 DWT.

- A 230-meter wharf providing multipurpose berths, i.e., to accommodate both international and domestic cargoes, with 10-meter water depth alongside, sufficient for vessels of 15,000 DWT, which is foreseen to include all domestic vessels and most international general cargo vessels.

- A 120-meter reinforced-concrete pier for domestic general cargo, with 6-meter water depth alongside.

- A 465-meter wharf with 5-meter depth alongside, and a 120-meter reinforced-concrete pier with 6-meter water depth alongside, both for the accommodation of RORO vessels.

- A 160-meter wharf for the accommodation of conventional passenger ferries, with 4-meter water depth alongside.

- A 135-meter wharf for the serving of small craft.

- A 40-meter reinforced-concrete extension of existing Pier III, which has, in the past, been of relatively limited use because of siltation and shallow water depths, but which will in the future be protected from this siltation by the land fill of its own extension, and by a jetty.

Figures A.1 and A.2 identify, respectively, the layout of existing port facilities, and of Phase I of the planned port upgrading project.

The extent and design of the above-identified port facilities are based on a need to accommodate an estimated year 2000 annual cargo volume of 3.55 million tons, including 1.3 million tons of RORO and conventional ferry cargo, 550 thousand tons of foreign cargo, and 1.7 million tons of domestic cargo other than that accommodated by ferries. For the RORO and ferry wharves, major factors include:

- Projected RORO ferry cargo volumes of 1.4 million tons in the Batangas-Calapan route and 270,000 tons in the Occidental Mindoro route.

- Projected annual traffic of 2 million passengers in the Calapan route, 960,000 passengers on the ferry route to Abra de Ilog, and 80,000 passengers on the ferry route to Puerto Galera.

- Projected ship size of 700 GRT/440 DWT, with a capacity for 30 large and small vehicles, and an anticipated average cargo load of 270 tons.

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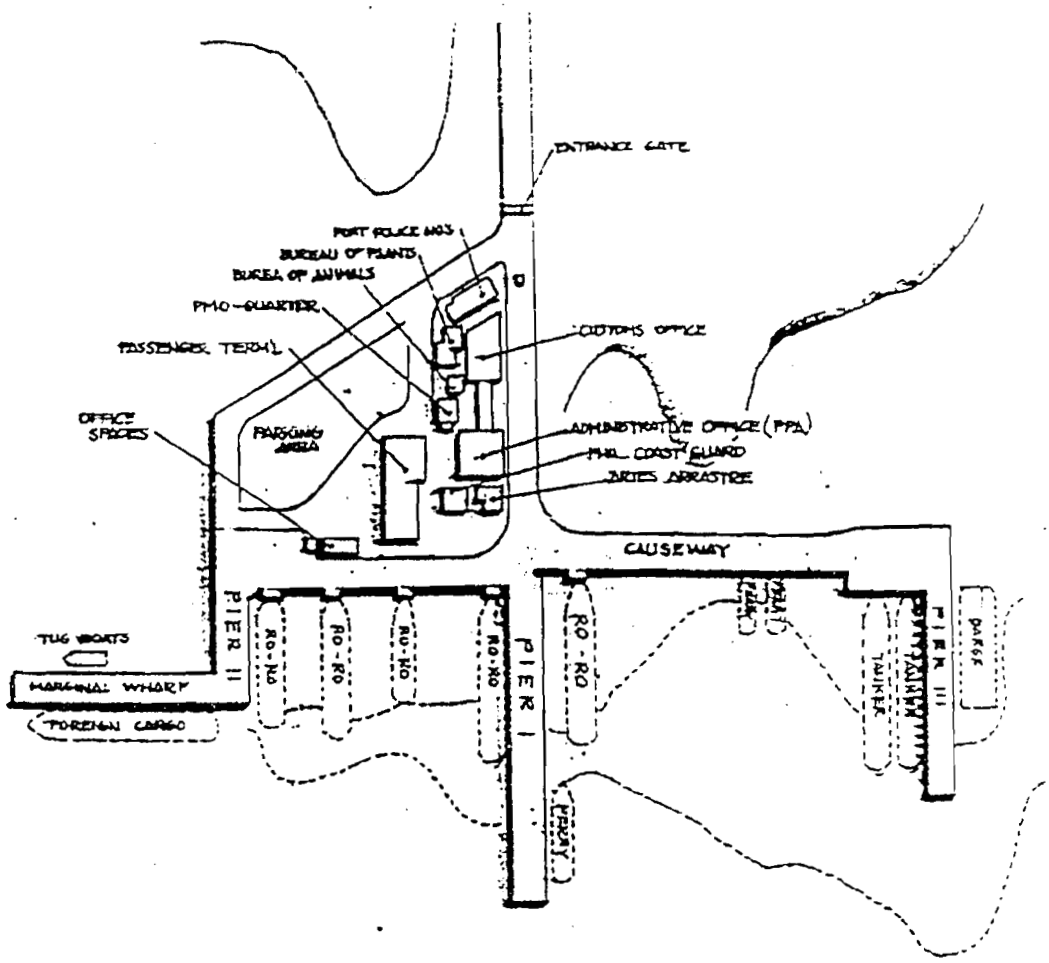
FIGURE A.1



EXISTING PORT FACILITIES - PORT OF BATANGAS

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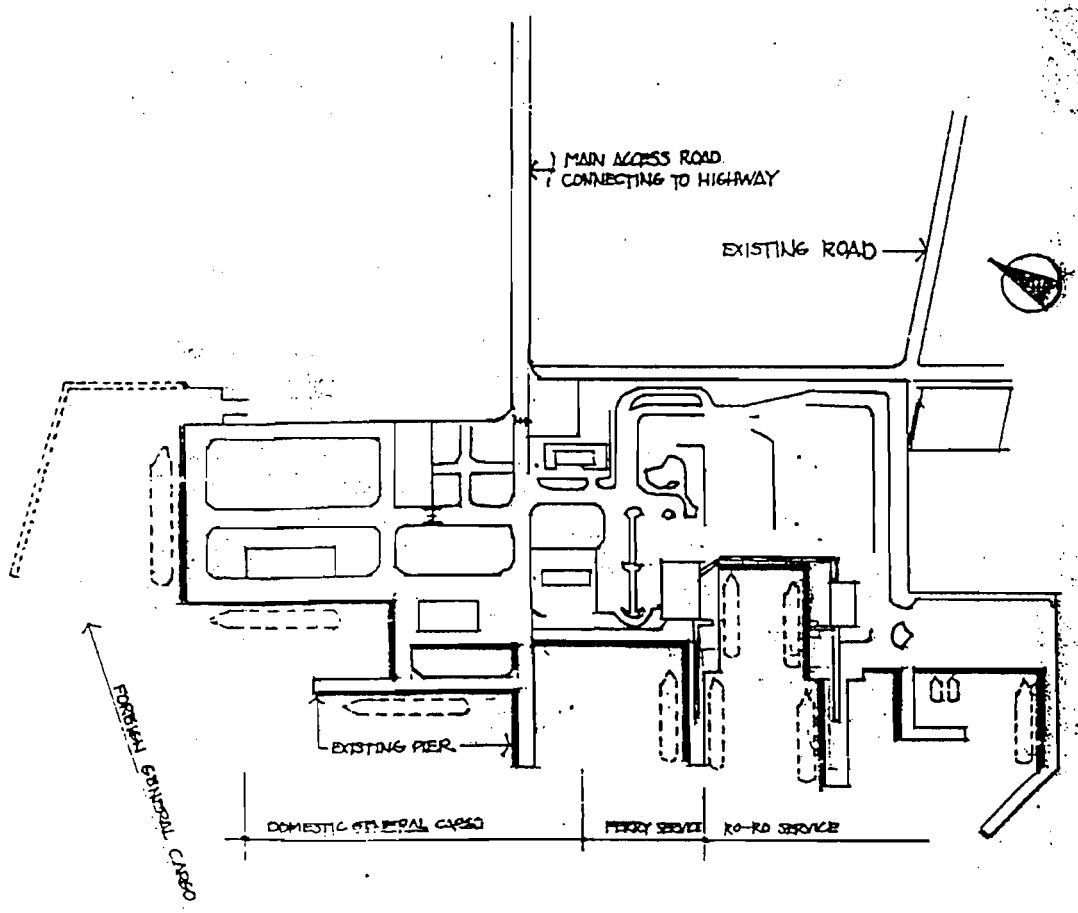
FIGURE A.2



FUTURE PORT FACILITIES PHASE I · PORT OF BATANGAS

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For the foreign general cargo wharf, the cargo volume to be handled in the year 2000 is estimated to be 210,000 tons, comprising of cement, minerals, sugar and chemical cargoes which are loaded in 15,000 DWT vessels.

The PPA undertook negotiations, during 1993-1994, with squatter families, who occupied about three hectares of the site. Since the project loan was contingent upon the squatters vacating the site, PPA could not give the selected contractor notice to proceed until the relocation had been agreed upon and implementation had been een largely completed.

Future Batangas Port Role

Batangas Port at present provides the transport link connecting Batangas with the islands of Mindoro, Palawan, Busuanga, Tablas and Romblon. The port also serves foreign vessels which unload fertilizer and transport equipment, among other cargoes. It is envisioned by PPA that, along with the port's planned expansion, there will be additional domestic shipping routes that will link Batangas with Visayan and Mindanao ports.

The PPA officials interviewed noted that, due to the congestion at both the Manila North Harbor and South Harbor, Batangas port may serve as an alternative port for other domestic and foreign cargoes which are destined to Metro Manila, despite the three-hour land travel time between Metro Manila and Batangas.

The LSRS team conducted a survey of five manufacturing companies to determine how these companies perceive the proposed upgrading of Batangas Port. These companies were Atlantic Gulf and Pacific Company (Bauan, Batangas), Tableria Tan Tao (Batangas City), Batangas Pop Rice and Pop Corn Factory (Batangas City), Caltex Philippines (San Pascual, Batangas) and Purefoods Corporation (Mabini, Batangas).

The major manufacturing companies along the coast of Batangas operate their own port facilities, which accommodate foreign vessels delivering their respective imported raw material requirements. These private ports likewise have their own bonded warehouses and offices for both Customs and Bureau of Internal Revenue (BIR) representatives. One of the private ports even serves the needs of government institutions (e.g., the Central Bank) and other private companies.

All five companies agreed that the Batangas port development project will facilitate the movement of both raw materials (particularly those locally sourced) and finished products. The majority of these companies noted that the port development project will contribute to the economic growth of Region IV and enhance

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both domestic and foreign trade. One company, however, indicated that the expansion of the port will have an adverse impact on traffic in the city proper, and suggested that this potential problem must be addressed by ensuring that port development is accompanied by road and telecommunications development.

TABLE A.1

VESSELS CALLING AT BATANGAS PORT, 1992

NAME OF VESSEL	PORT OF CALL		TYPE	GRT	NRT	DWT	BEAM	LOA
	LAST	NEXT						
ALEGRIA VIDA	BAUAN	CEBU	B	1088.15	631.42	1719.57	12.19	50.43
ALESON I	POLLOC, COTABATO	CALAPAN	MV	488.78	345.96	1200.00	9.60	56.00
ALEXANDER	CAGAYAN DE ORO	GEN. SANTOS	MV	494.45	318.93	2137.80	11.50	69.01
ALEXANDER	CAGAYAN DE ORO	POLLOC	MV	494.45	318.93	697.17	11.50	69.01
AMIGO	MANILA	ILOILO	MV	742.28	479.12	1300.00	10.80	56.46
ANTARES	CEBU	CAGAYAN DE ORO	MV	495.11	263.03	733.65	9.70	45.15
ANTELOPE	POLLOC, COTABATO	POLLOC, COTABATO	MV	1092.23	573.71	1999.65	10.50	71.30
ARAYAT	LUCENA	BALANACAN	MB	93.67	22.90	47.47	4.90	62.96
B-CMC II	CAGAYAN DE ORO	CEBU	B	788.54	781.54	900.00	15.44	53.64
B-CMC-V	CAGAYAN DE ORO	MANDAUE	B	788.64	781.44	90.00	15.54	53.64
B-OTC-811	CEBU	MANILA	B	331.07	325.02	500.00	10.44	36.52
B/OTC-711	MANILA	CEBU	B	357.38	352.90	600.00	10.06	36.59
BABY IRENE	SEMIRARA	ANTIQUE	MB	32.41	18.35	45.69	3.65	15.84
BABY IRENE	ANTIQUE	ANTIQUE	MB	3.00	18.00	46.00	4.00	16.00
BRONCO	ANTIQUE	ANTIQUE	MB	32.41	18.35	45.60	12.00	52.00
BUBU	POLLOC	MANILA	MV	1109.04	815.72	1496.36	11.06	72.03
CEBU PEARL	MANILA	CAGAYAN DE ORO	MT	52.19	32.68	70.46	5.49	16.39
CHINCAWA	CEBU	GEN. SANTOS	MV	321.32	150.81	453.06	9.00	46.00
CLYDESDALE IV	CAGAYAN DE ORO	BUTUAN	MV	842.94	588.45	1571.07	10.00	58.03
CONCHISE	CEBU	BATAAN	MT	1553.00	1029.00	4193.00	17.00	73.00
CONRADO RAFAEL	MANILA	SULU	MT	291.24	134.03	410.54	31.30	2.60
DIAMOND RABBIT	CAGAYAN DE ORO	ILIGAN	MV	727.88	363.03	1090.90	9.63	58.30
DIAMOND RED HORSE	ILIGAN	CHINA	MV	3181.00	2317.00	5028.00	15.00	97.00
DON GENE	CEBU	MANILA	MT	29.47	16.29	60.00	4.98	15.11
DON GENE	BUTUAN	SURIGAO	MV	2991.74	1820.07	4918.06	15.20	92.02
DONA AUREA	MANILA	CEBU	MT	29.47	16.29	39.78	4.88	15.11
DONA TRINIDAD	CAGAYAN DE ORO	CAGAYAN DE ORO	MV	997.00	696.00	7300.00	11.00	66.00
EDAGO	MANILA	MASINLOC, ZAMBALES	MV	433.79	316.68	800.00	9.76	48.48
EDAGO I	CAGAYAN DE ORO	CAGAYAN DE ORO	MV	487.46	314.07	800.00	8.50	50.47
EDUARD LAWRENCE	CAGAYAN DE ORO	S. J. MDRO	MV	487.46	314.07	800.00	8.50	50.47
EDUARDO ANTONIO	CAGAYAN DE ORO	CAGAYAN DE ORO	MV	317.15	164.74	347.62	6.90	43.48
EDUARDO ANTONIO	CAGAYAN DE ORO	CEBU	MV	484.73	274.79	955.98	8.50	53.35
EDWIN	CEBU	N. A.	MV	484.43	274.79	833.04	8.50	53.35
FERBEE	CAGAYAN DE ORO	CAGAYAN DE ORO	MV	551.90	417.18	1000.00	9.15	52.60
GOLDEN BAY	CAGAYAN DE ORO	BUTUAN	MV	435.24	306.43	650.00	8.22	47.35
GOLDEN BAY	CAGAYAN DE ORO	TACLOBAN	MV	701.25	442.42	1143.68	11.00	66.00
ILIGAN GLORY	CAGAYAN DE ORO	CEBU	MV	487.03	248.90	1143.68	10.50	61.80
ILIJAN MERCHANT	CAGAYAN DE ORO	CAGAYAN DE ORO	MV	1141.39	716.26	2000.00	12.00	69.10
JOJOY	CAGAYAN DE ORO	CAGAYAN DE ORO	MV	980.91	629.45	1630.74	30.11	68.73
JOMEL	PANDACAN	TOLEDO	MT	497.06	387.86	1300.00	11.00	58.00
LAPU-LAPU	GEN. SANTOS	LUCENA	FB	6.49	4.41	9.15	1.56	5.56
MARLED	CAGAYAN DE ORO	CAGAYAN DE ORO		2968.68	2007.95	5655.98	15.70	101.35
MARINERO	TACLOBAN	TAGBILARAN	MT	248.59	159.24	336.00	5.00	28.00
MEASEL	CAGAYAN DE ORO	CEBU	MT	62.67	15.60	80.00	5.21	22.44
MISS ILIJAN	GEN. SANTOS	MANILA	MV	1718.45	1241.58	2996.62	12.40	80.08
MISS ILIJAN	CALAPAN	ILIJAN	MV	19.52	13.48	27.52	12.00	50.00
MONGOOSE	MASBATE	ILIJAN	MB	20.00	13.00	28.00	12.00	5.00
MONTE ORO	GEN. SANTOS	CASIGURAN	MV	1998.53	1115.80	3296.17	13.00	81.00
MOSES II	MANILA	CAGAYAN DE ORO		1262.46	708.39	1780.06	12.40	71.51
NEW HAMPSHIRE	CAGAYAN DE ORO	GEN. SANTOS	MV	498.83	483.27	1049.83	11.00	50.00
NORTH EXPRESS	MANILA	PALAWAN	B	488.31	291.78	1200.00	12.19	50.38
ORIENT STAR	CAGAYAN DE ORO	CEBU	B	1075.22	1068.50	2000.00	12.00	69.00
PAMBEK	BUGO, CAGAYAN	LIMAY, BATAAN	MT	1507.50	723.38	2035.13	11.80	70.60
PHILIPPINE SEA	MANDAUE	CEBU	B	2433.00	2420.00	4019.00	7.00	79.00
POLA SEIS	MANDAUE	CEBU	MTB	294.00	111.00	414.00	14.00	18.00
POLA UNO	CAGAYAN DE ORO	TOLEDO	MV	495.40	212.58	707.78	10.00	48.55
PREMSHIP III	CAGAYAN DE ORO	TOLEDO	MV	299.90	183.32	422.85	9.50	53.11
SAN ANDRES	MANILA	ILIGAN	MB	2781.23	1576.67	4708.00	15.00	89.20
SAN DECOR	LUCENA	ROMB, via MDQUE	MB	34.50	23.45	48.64	3.96	24.78
SAN MIGUEL TALAHIB	MASBATE	ILIJAN	MB	25.27	13.00	35.83	4.50	14.00
SAN MIGUEL TALAHIB	CAGAYAN DE ORO	SAN JOSE		697.65	388.40	1400.08	10.40	53.22
SEA BULK	BURIAS, MASBATE	ILIJAN	MB	16.10	11.27	26.00	3.00	38.00
SELIA TRES	MANILA	CAGAYAN DE ORO	B	595.39	580.34	965.89	13.72	49.70
SENORA CRISANTA	GEN. SANTOS	MANILA	MV	947.00	578.00	1880.00	11.00	68.00
STA. BERNEDITA	CAGAYAN DE ORO	CEBU	MV	1614.44	1198.05	2034.00	11.80	73.10
TERBEE	CAGAYAN DE ORO	CAGAYAN DE ORO	MV	981.98	517.48	2120.64	12.50	73.80
TERVEE	CAGAYAN DE ORO	CAGAYAN DE ORO	MV	435.24	306.43	650.00	8.22	47.35
TEXAS	CAGAYAN DE ORO	N. A.	MV	435.24	306.48	650.00	8.22	47.35
TRIPLE J	CAGAYAN DE ORO	CEBU	MT	102.55	30.18	144.57	6.07	26.68
VICTORIA I	CAGAYAN DE ORO	CAGAYAN DE ORO	MV	492.41	277.60	760.60	9.40	57.80
VICTORIA II	CAGAYAN DE ORO	CAGAYAN DE ORO	MV	441.62	344.14	622.68	9.00	48.00
VICTORIA II	CAGAYAN DE ORO	CEBU	MB	498.32	294.91	702.63	9.00	49.90
VIVA 9	CORON, PALAWAN	CORON, PALAWAN	MB	310.05	199.12	437.17	7.32	48.00

Source : Philippine Ports Authority

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TABLE A.2

CARGO TRAFFIC AT BATANGAS PORT, BY SELECTED ROUTE, 1992

(metric tons)

PORT OF CALL		JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEPT		OCT		NOV		DEC		TOTAL	
LAST	NEXT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
S. ANTQ	B. MSBT																			13	12					13	12
CDOR	BAUAN																			730						730	
LCNA	BLNCN																119										119
CDOR	BUTN									552												1,071				1,623	
C. PLWN	C. PLWN	164	449	81	112	71	134	91	55	318	151	177	265			358	431	525	398	332	221			32	150	2,141	2,367
CDOR	CDOR	8,965		3,879		7,290										721		6,870		3,082		2,827		1,044		34,677	
CEBU	CDOR																			1,9[illegible]6				1,584		3,420	
MNLA	CDOR																					493				493	
CDOR	CEBU			1,924		593												1,653		3,630		1,748		343		9,890	
LCNA	CEBU											376														376	
MBRAO	CEBU					653																				653	
MNDUE	CEBU											2,652														2,652	
MNLA	CEBU													40	136											40	136
ILIG	CHINA											1,800														1,800	
PLLC	CLPN																							1,047		1,047	
GST	CSGRN									2,270																2,270	
CLPN	D. CEBU							1,371																		1,371	
PLLC	GNGOG																	1,471								1,471	
CDOR	GST			838																1,708						2,546	
CEBU	GST							770																		770	
CDOR	ILIG															826		644								1,470	
MNLA	ILIG					1,339																				1,339	
MSBT	ILIJ											8												30		30	
CDOR	ILOI																							611		611	
GST	LCNA																	682								682	
CDOR	LGSP																					1,672				1,672	
CDOR	MNLA																	541		645						1,186	
CDOR	MNLA					673												1,530								2,203	
GST	MNLA											1,932										2,220				4,152	
CDOR	MBNI																					2,636				2,636	
ANTQ	P. GLRA			12																						12	
CDOR	PFDS									770		542						583				1,144		718		3,756	
CDOR via CEBU	PFDS							907																		907	
PLLC	PLLC																					1,617				1,617	
MNLA	PLWN	0		96	114	140	225	23	157						42										149	259	686
PNCN, PLWN	PNCN, PLWN					1,149																				1,149	
LCNA	RB via MDQUE																		62								62
S. ANTQ	S. ANTQ		51	45	91	11	92	24	46	31	84	28	96	49	71	23	52	47	63					39	76	297	742
CDOR	S. HARBOR																							725		725	
CDOR	S. J. MDRO.	695																								695	
CDOR	S. JOSE					913										548										1,461	
BUTN	SGAO																			723						723	
ILIJ	SMRR																				73						73
S. ANTQ	SMRR																68										68
CDOR	TCLB			1,359		2,272																				3,631	
CDOR	TLDO																					1,791				1,791	

Note: Samboan Antique (S. ANTQ), Burias Masbate (B. MSBT), Cagayan de Oro (CDOR), Lucena (LCNA), Balanacan (BLNCN), Butuan (BUTN), Coron Palawan (C. PLWN), Manila (MNLA), Marabucan (C BSAO), Mandaue (MNDUE), Iligan (ILIG), Pulilar (PLLC), Calapan (CLPN), San. Santos (GST), Cauiguran (CSGRN), Danao cebu (D. CEBU), Gingoog (GNGOG), Masbate (MSBT), Iligan (ILIJ), Iloilo (ILOI), Legazpi (LGSP), Mabini (MBNI), Antique (ANTQ), Puerto Galera (P. GLRA), Parasbode (PFDS), Palawan (PLWN), Puerto Princesa Palawan (PNCN, PLWN), Roxas via Marinduque (RB via MDQUE), South Harbor (S. HARBOR), San Jose Mindoro (S. J. MDRO), Surigao (SGAO), Samboan (SMRR), Tacloban (TCLB), Toledo (TLDO).

Source: Philippine Ports Authority

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TABLE A.3

CARGO TRAFFIC AT BATANGAS PORT, BY SELECTED ROUTE, 1993

(metric tons)

PORT OF CALL		JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEPT		OCT		NOV		TOTAL	
LAST	NEXT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
CLPN	ANTQ	100	45																					100	45
SMRR	ANTQ	10	8																					10	8
SMRR	BAUAN	16																						16	
CDOR	BUTN															360								360	
PLLC	BUTN															634								634	
CDOR	CDOR			2,117				899		2,290				2,703		2,686		1,754	13	1,635	15	2,942	4	16,987	32
DLHCN	CLPN														21										21
CDOR	CEBU					333				916		713		751		1,454		742		730		712		6,352	
SMRR	CRCRA															11	2		2					11	4
C. PLWN	C. PLWN	308	319	451	403	346	454	483	456	171	343	211	366	420	347	376	277	809	505	648	446	298	256	4,413	4,172
CDOR	CTBT																	1,026						1,026	
CDOR	DGAS											988												988	
CDOR	DVAO																	1,116						1,116	
CDOR	ILIG															1,684								1,684	
ILIG	ILIG						16																		16
SMRR	ILU																		26			4		4	26
ANTQ	LBNG			14																				14	
SMRR	LBNG							10	50									13	7					23	66
CDOR	MBNI	711		698																				1,409	
BUTN	MNLA																	319	2			315		634	2
CDOR	MNLA	649						2,654						641		2,187		1,192						8,223	
CTBT	MNLA													1,129										1,129	
GST	MNLA															648								648	
ILOI	MNLA																			663				663	
LYTE	MNLA									1,781														1,781	
PLWN	MNLA							1,043						70										1,113	
TLDO	MNLA									1,000														1,000	
MDQUE	MDQUE								56																56
CDOR	MSKY											749												749	
CDOR	N. OCC			711																				711	
MNLA	N. OCC																					44	147	44	147
LBNG	OCC. MDOR			284																				284	
CEBU	ORMC															594								594	
T. LBNG	PLWN via LBNG			37																				37	
MNLA	PLWN										6	64	55		88						20			64	168
PLWN	PLWN			3									26											3	26
S. JOSE	PLWN															181	53							181	58
PLLC. CCT	PLLC. CCT											1,054				512								1,567	
CDOR	PFDS			1,107						739		976		748										3,569	
ILOIL	PFDS																	1,097						1,097	
ZBGA	S. C. SEA			705																				705	
CORON	SBLYN							45	28															45	28
CDOR	S. JOSE			1,654		871				737		811												4,073	
LBNG	S. JOSE							208																208	
BAUAN	SMRR	29	54																					29	54
GSAN	SMRR																						31		31
ILU	SMRR				24				36		16			25	40	13		22	68	4	9		28	63	221
MNSLY	SMRR			11										24	25					53	22		34	88	81
SMRR	SMRR			79	113	7	45	29	15	13	32	64	65	40	159	25	100			56	153		11	314	720
T. LBNG	T. LBNG	308	36																					308	36
CDOR	TLDO	786																1,879						2,665	

Note 1: Calapan (CLPN), Antique (ANTQ), Samaiaura (SMRR), Cagayan de Oro (CDOR), Butuan (BUTN), Pollac (PLLC), Dalahican (DLHCN), Carcuera (CRCRA), Coron Palawan (C. PLWN), Cotabato (CTBT), Dadiangas (DGAS), Davao (DVAO), Iligan (ILIG), ILLI (Iligan), Lubang (LBNG), Catabato (CTBT), Gen. Santos (GST), Iloilo (ILOI), Leyte (LYTE), Toledo (TLDO), Mariadique (MDQUE), Masinkay (MSKY), Ormoc (ORMC), Tilik Lubang (T. LBNG), Sablayan (SBLYN), Manasaky (MNSLY), Gesan (GSAN), Purefoods (PFDS), South China Sea (S. C. SEA).

Note 2: There's no data for the month of December 1993, available in January 1994.

Source: Philippine Ports Authority

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TABLE A. 4
PORT OF BATANGAS, STA.CLARA BATANGAS SEA TRANSPORT INWARD DOMESTIC CARGO FLOWS 1991-1993

ORIGIN		COMMODITY	CARGO (MT) 1991	1992	1993
MASAO GOV'T. PIER, LUMBOCAN, BUTUAN CITY					
	311	Unprocessed wood (excluding firewood)		70,134	
BUTUAN GOV'T.(R.C.)WHARF, BUTUAN CITY					
	311	Unprocessed wood (excluding firewood)		467	117,822
	725	Wood & cork products			23
OTHER MUNICIPAL PORTS (AGUSAN DEL NORTE)					
	311	Unprocessed wood (excluding firewood)			133
OTHER PRIVATE PORTS (AGUSAN DEL NORTE)					
	311	Unprocessed wood (excluding firewood)			1,631
ATLANTIC GULF & PACIFIC COMPANY MAHAY, BUTUAN CITY					
	311	Unprocessed wood (excluding firewood)		3,139	
LEGASPI, LEGAZPI CITY					
	236	Coconut oil			5,389
LEGASPI OIL COMPANY ARIMBAY, LEGASPI CITY					
	236	Coconut oil	12,000	20,162	8,000
	522	Lubricants	8,003		
BATAAN REFINING COMPANY BO. LAMAO, LIMAY, BATAAN					
	418	Petroleum			3,467
	511	Gasoline & aviation fuel			4,920
	512	Kerosene			1,846
	513	Gas oils	3,192	2,010	6,931
	523	Other products		1,000	
OTHER PRIVATE PORTS (BATANGAS)					
	417	Coal, lignite, bitumen, peat, shale	4,597		
PACIFIC FLOUR MILLS INCORPORATED, TABANGAO, BATANGAS CITY					
	227	Animal Feeds			225
TALIBON CAUSEWAY					
	111	Cattle & Carabao	19	19	
PASACAO, CAMARINES SUR					
	132	Milled rice		150	
CEBU CITY					
	133	Unmilled maize		2,798	750
	233	Mineral water & aerated beverages			1,512
	415	Limestone & dolomite			587
	716	Other chemical products			500
	811	Cements		1,400	
	813	Limes		790	
DANAO CITY					
	811	Cements			520
OTHER MUNICIPAL PORTS (CEBU)					
	812	Cement clinkers			23,838
ARGAO CAUSEWAY, ARGAO, CEBU					
	417	Coal, lignite, bitumen, peat, shale		1,800	
MANDAUE, MANDAUE CITY					
		Minor flows		1	
	000	All other commodity		45	
	234	Beer		398	
	611	Organic chemicals			380
	612	Inorganic chemicals		314	333
	916	Special purpose road vehicles		10	
ATLAS CONSOLIDATED MINING AND DEVELOPMENT CORP. (A C M D C					
		Minor flows		4	
	618	Other fertilizers			1,000

TABLE A. 4
PORT OF BATANGAS, STA.CLARA BATANGAS SEA TRANSPORT INWARD
DOMESTIC CARGO FLOWS 1991-1993
(Continued)

ORIGIN		COMMODITY	CARGO (MT) 1991	1992	1993
BAIGAD CAUSEWAY/PIER, BANTAYAN, CEBU					
	618	Other fertilizers			1,700
ERNESTO C. OUANO SR. WHARF, POBLACION, MANDAUE CITY					
	612	Inorganic chemicals	421	998	
	825	Metal building parts		716	
GENERAL MILLING CORPORATION WHARF, LAPU-LAPU CITY					
	716	Other chemical products			45
	825	Metal building parts		10	
NPC, NAGA, CEBU					
	523	Other products	2,000		
SANDOVAL DRYDOCK, TAYUD, CONSOLACION, CEBU					
	523	Other products	57		
SAN MIGUEL RECLAMATION QUANO RECLAMATION					
		Minor flows	1		
	233	Mineral water & aerated beverages	66		1,280
	234	Beer			374
SASA GOVERNMENT WHARF SASA, DAVAO CITY					
	313	Wood charcoal	261		
BORONGAN, EASTERN SAMAR					
	513	Gas oils		100	
ILOILO,ILOILO CITY					
		Minor flows		6	
	133	Unmilled maize			1,148
	225	Molasses & related products	400	800	
	612	Inorganic chemicals		550	
	618	Other fertilizers			800
ESTANCIA CAUSEWAY/PIER ESTANCIA, ILOILO					
	225	Molasses & related products		3,405	1,344
OTHER PRIVATE PORTS LANAO DEL NORTE					
	236	Coconut oil	448		
GRANEX EXPORT INCORPORATED, KIWALAN (GRANEX PORT), ILIGAN C					
	000	All other commodity	1,000		
	227	Animal Feeds		15,000	
	236	Coconut oil		421	
ILIGAN CEMENT CORPORATION, KIWALAN, ILIGAN CITY					
	811	Cements	840		
MARIA CRISTINA CHEMICAL INDUSTRIES, AGUS, BURUUN, ILIGAN					
	612	Inorganic chemicals	3,526	1,280	1,720
MA. CRISTINA FERTILIZER CORPORATION, FUENTES, ILIGAN CITY					
	612	Inorganic chemicals		38	
MINDANAO PORTLAND CEMENT CORPORATION, KIWALAN, ILIGAN CIT					
	811	Cements		2,250	
NATIONAL STEEL CORPORATION SUAREZ, ILIGAN CITY					
		Minor flows	4		
	916	Special purpose road vehicles	10		
TACLOBAN, LEYTE DEL NORTE					
		Minor flows	6		29
ORMOC SUGAR COMPANY INCORPORATED IPIL, ORMOC CITY					
	225	Molasses & related products	800		
PASAR, ISABEL, LEYTE					
	822	Copper products	1,501		
PHILPHOS, ISABEL, LEYTE					
	419	Other non-metallic minerals	1,564		

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TABLE A. 4
PORT OF BATANGAS, STA.CLARA BATANGAS SEA TRANSPORT INWARD DOMESTIC CARGO FLOWS 1991-1993
(Continued)

ORIGIN		COMMODITY	CARGO (MT) 1991	1992	1993
POLLOC, COTABATO					
		Minor flows		9	
	000	All other commodity		30	
	133	Unmilled maize			1,055
	212	Dairy products		50	
	235	Other alcoholic beverages		55	
	250	Tobacco products		56	
	735	Household utensils		20	
	925	Other household equipment		100	
MANILA (FIRST DISTRICT) NORTH HARBOR					
		Minor flows	24		15
	000	All other commodity	30		3
	132	Milled rice		3,893	133
	221	Flour & related products from grain	100		30
	311	Unprocessed wood (excluding firewood)			1,325
	412	Salt		612	
	513	Gas oils		471	
	522	Lubricants	16		1,121
	811	Cements	39		
	821	Iron & steel basic products	13		37
	913	Lighting & electrical parts		45	
	915	Road transport equipment	1	4	10
	916	Special purpose road vehicles	50		
BALANACAN, MARINDUQUE					
		Minor flows			6
	819	Glass bottles	33		
MASBATE, MASBATE					
		Minor flows	9	10	
	000	All other commodity	87	3	
	111	Cattle & Carabao	1,024		
	112	Goats	22		
	113	Swine	20		
	115	Other live animals	26		
	122	Fish, preserved	19		
	512	Kerosene			12
	513	Gas oils			12
	813	Limes	400		
	915	Road transport equipment	149		
LEGASPI OIL COMPANY INCORPORATED MASBATE					
	236	Coconut oil			4,000
CAGAYAN DE ORO					
		Minor flows		8	2
	132	Milled rice	1,872		
	133	Unmilled maize	42,591	52,526	50,067
	134	Corn grits & meal		520	580
	172	Copra		650	
	234	Beer		1,081	
	618	Other fertilizers		250	750
	825	Metal building parts			50
OTHER PRIVATE PORTS ORR. MISAMIS					
	513	Gas oils	1,200		
PHILIPPINE PACKING CORPORATION, BUGO, CAGAYAN DE ORO CITY					
	236	Coconut oil	2,700		

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TABLE A. 4

PORT OF BATANGAS, STA.CLARA BATANGAS SEA TRANSPORT INWARD

DOMESTIC CARGO FLOWS 1991-1993

(Continued)

ORIGIN		COMMODITY	CARGO (MT) 1991	1992	1993
PULUPANDAN, NEGROS OCCIDENTAL					
	225	Molasses & related products	542		971
BREDCO, RECLAMATION AREA, BACOLOD CITY, NEGROS OCCIDENTAL					
	224	Sugar		800	
	225	Molasses & related products	4,010	1,191	
LA CARLOTA SUGAR CENTRAL (MARAYO DOCK) PONTEVEDRA, NEGROS O					
	225	Molasses & related products	800	1,461	
VICTORIAS MILL CORPORATION INC. DAAN BANUA, VICTORIAS, N					
	221	Flour & related products from grain		500	
	224	Sugar		1,300	
	225	Molasses & related products	2,652	4,806	825
	227	Animal Feeds		150	
DUMAGUETE CITY					
	133	Unmilled maize	441		
DANAO ESCALANTE PUBLIC WHARF, NEGROS ORIENTAL					
	224	Sugar		360	
TOLONG SUGAR MILLING COMPANY STA. CATALINA, NEGROS ORIENTAL					
	225	Molasses & related products	400		
SAN JOSE (CAMINAWIT), CAUSEWAY/PIER, MANGARIN, SAN JOSE,					
		Minor flows	54	57	27
	000	All other commodity	1,305	432	295
	111	Cattle & Carabao	2,093	878	777
	112	Goats	27	7	11
	113	Swine	8	16	3
	115	Other live animals	8		71
	121	Fish, fresh or chilled	165	105	233
	123	Frozen shellfish	39		42
	124	Seaweed	101		
	131	Palay	1,647	279	1,050
	132	Milled rice	7,344	12,137	7,219
	133	Unmilled maize	103	133	283
	142	Peas & beans	49	64	16
	143	Root crops	31	35	8
	152	Onions & shallots	18	22	5
	155	Other vegetables	169	89	99
	166	Melons & papaya	181	103	90
	167	Other fresh fruit	10	1	13
	172	Copra	10	13	
	227	Animal Feeds	818	275	231
	412	Salt	369	1,051	699
	424	Metal waste and scrap	50	1	6
	513	Gas oils			380
	725	Wood & cork products	55	27	24
	811	Cements	20	22	
	819	Glass bottles	80	148	312
	821	Iron & steel basic products	88		
	825	Metal building parts	60	81	
	915	Road transport equipment	13,529	15,608	11,678
	916	Special purpose road vehicles	69	80	
SAN JOSE DECK & WAREHOUSING INC. WHARF, SAN JOSE, OCCIDEN					
		Minor flows			22
	111	Cattle & Carabao			150
	121	Fish, fresh or chilled			21

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TABLE A. 4
PORT OF BATANGAS, STA.CLARA BATANGAS SEA TRANSPORT INWARD DOMESTIC CARGO FLOWS 1991-1993
(Continued)

ORIGIN		COMMODITY	CARGO (MT) 1991	1992	1993
	132	Milled rice			1,872
	412	Salt			353
	915	Road transport equipment			1,282
CALAPAN, ORIENTAL MINDORO					
		Minor flows	71	24	1
	000	All other commodity	37,372	111,350	321,243
	111	Cattle & Carabao	2,834	1,818	444
	113	Swine	376	282	27
	115	Other live animals	1,218	1,611	1,538
	121	Fish, fresh or chilled	4,649	2,905	201
	122	Fish, preserved	3	444	
	123	Frozen shellfish	12	5	
	131	Palay	24,500	16,054	15
	132	Milled rice	34,119	18,493	2,459
	133	Unmilled maize	3,518	2,593	
	142	Peas & beans	70	10	
	151	Tomatoes		37	
	152	Onions & shallots	25		
	154	Leafy vegetables	13	7	
	155	Other vegetables	31,199	32,866	11
	161	Citrus fruit	1,516	829	9
	162	Bananas	665	199	1,222
	165	Mangoes, avocados, guavas, mangosteen	77		50
	166	Melons & papaya	15		0
	167	Other fresh fruit	37,809	35,567	302
	171	Coconuts	127	28	109
	172	Copra	27,673	20,316	1,004
	181	Abaca	73	49	
	196	Other vegetable raw materials	24		
	212	Dairy products	162	9	
	221	Flour & related products from grain	19	7	
	224	Sugar	26	10	
	226	Other food preparations	1	110	3
	227	Animal Feeds	4,401	3,067	15
	231	Fruit & vegetable juices			154
	233	Mineral water & aerated beverages	85		466
	234	Beer	69		222
	236	Coconut oil	43	22	
	244	Coconut fiber			15
	311	Unprocessed wood (excluding firewood)	3,592	2,375	260
	411	Natural fertilizers	119	119	
	414	Marble	95	43	
	418	Petroleum	2,406	444	
	419	Other non-metallic minerals		15	
	421	Metal waste and scrap	227	20	
	513	Gas oils	43	20	15
	514	Fuel oils	24	13	
	522	Lubricants	442	330	
	523	Other products	224		244
	611	Organic chemicals			23
	618	Other fertilizers	117	53	158
	716	Other chemical products	73	30	6
	722	Tires			17

TABLE A. 4

PORT OF BATANGAS, STA.CLARA BATANGAS SEA TRANSPORT INWARD

DOMESTIC CARGO FLOWS 1991-1993

(Continued)

ORIGIN		COMMODITY	CARGO (MT) 1991	1992	1993
	724	Veneer & plywood	13	7	
	725	Wood & cork products	25	4	
	728	Apparel	47	17	1
	735	Household utensils	102		10
	811	Cements	128	198	23
	812	Cement clinkers	46		
	818	Glass & products (excluding bottles)	15		
	819	Glass bottles	2,741	977	63
	821	Iron & steel basic products	121	180	
	825	Metal building parts	348	49	0
	915	Road transport equipment	140,158	148,063	132,018
	916	Special purpose road vehicles	18		334
	921	Furniture	40	15	
	924	Refrigerators & freezers	22		
OTHER MUNICIPAL PORTS ORR. MINDORO					
		Minor flows		4	
PUERTO PRINCESA CITY, PALAWAN					
	125	Other seafood	5	10	10
BROOKE'S PT. CAUSEWAY, PALAWAN					
		Minor flows	0	0	6
	111	Cattle & Carabao	4	32	75
	131	Palay			2,630
	133	Unmilled maize	158		
CORON CAUSEWAY/WHARF, PALAWAN					
		Minor flows	15	45	67
	000	All other commodity	3	25	28
	111	Cattle & Carabao	186	157	117
	121	Fish, fresh or chilled	82	285	356
	122	Fish, preserved	47	41	28
	233	Mineral water & aerated beverages	37	4	2
	234	Beer	14	3	4
	513	Gas oils		12	3
	819	Glass bottles	754	881	856
	825	Metal building parts	43	42	60
PAGDANAN TIMBER PRODUCTS INCORPORATED PORT BARTON, SAN VI					
	311	Unprocessed wood (excluding firewood)	219		
COTTA, LUCENA CITY					
		Minor flows			5
	811	Cements			32
OTHER MUNICIPAL PORTS ROMBLON					
		Minor flows	31	24	20
	000	All other commodity	24	47	45
	111	Cattle & Carabao	79	86	427
	113	Swine	262	298	191
	121	Fish, fresh or chilled	33	77	51
	163	Temperate fruits		1	53
	165	Mangoes, avocados, guavas, mangosteen	28	9	16
	167	Other fresh fruit	25	48	22
	172	Copra	4	69	3
	226	Other food preparations	0	21	
	227	Animal Feeds	0		17
	233	Mineral water & aerated beverages	41	170	22
	234	Beer	68	147	84

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TABLE A. 4
PORT OF BATANGAS, STA.CLARA BATANGAS SEA TRANSPORT INWARD DOMESTIC CARGO FLOWS 1991-1993
(Continued)

ORIGIN		COMMODITY	CARGO (MT) 1991	1992	1993
	235	Other alcoholic beverages		2	18
	311	Unprocessed wood (excluding firewood)	101		0
	735	Household utensils	1	17	10
	811	Cements			35
	819	Glass bottles	157	282	288
	825	Metal building parts	8	2	55
	915	Road transport equipment	1,951	4,517	6,598
	916	Special purpose road vehicles	157	158	24
ROMBLON,ROMBLON					
		Minor flows	23	31	28
	000	All other commodity	10	18	2
	111	Cattle & Carabao	190	119	20
	113	Swine	28	29	3
	121	Fish, fresh or chilled	15	43	39
	132	Milled rice	2		14
	133	Unmilled maize		639	
	172	Copra		55	12
	195	Rattan	14	14	
	197	Other agricultural commodities (n.e.s.)	1	4	27
	233	Mineral water & aerated beverages			178
	313	Wood charcoal	13	105	2
	413	Sands & gravel	855	1,118	928
	414	Marble	6,311	4,862	3,741
	416	Building stone	24	2	5
	424	Metal waste and scrap	3	41	
	735	Household utensils	4	14	13
	814	Building stone	157	233	28
	817	Tiles & building ceramics	11		2
	819	Glass bottles	40	517	582
	825	Metal building parts	179	594	86
	915	Road transport equipment		116	1,385
	921	Furniture	6	28	16
CATBALOGAN, WESTERN SAMAR					
	417	Coal, lignite, bitumen, peat, shale			1,400
BULAN (SUBPORT) SORSOGON					
	226	Other food preparations			1,200
SORSOGON CAUSEWAY/LANDING SORSOGON, SORSOGON					
	000	All other commodity		23	
	915	Road transport equipment		22	
	916	Special purpose road vehicles		65	
MAKAR WHARF, GEN. SANTOS CITY SOUTH COTABATO					
	133	Unmilled maize	684	1,199	820
	134	Corn grits & meal		371	
PACIFIC CEMENT CORPORATION BARANGAY QUEZON, SURIGAO CITY					
	735	Household utensils	400		
	811	Cements	1,320	2,280	
BISLIG (MANGAGOY), SURIGAO DEL SUR					
	172	Copra	2,863		
	417	Coal, lignite, bitumen, peat, shale	13,057	17,462	
ZAMBOANGA, ZAMBOANGA DEL SUR					
		Minor flows		5	
	133	Unmilled maize			1,925
	227	Animal Feeds			50

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TABLE A. 5
PORT OF BATANGAS, STA.CLARA BATANGAS SEA TRANSPORT OUTWARD DOMESTIC CARGO FLOWS 1991-1993

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
BUTUAN GOV'T.(R.C.)WHARF, BUTUAN CITY					
	221	Flour & related products from grain		425	
	227	Animal Feeds		100	
NASIPIT GOV'T. (R.C.) WHARF, NASIPIT					
	221	Flour & related products from grain			35
OTHER OTHER NATIONAL PORTS (ANTIQUE)					
		Minor flows		14	
	000	All other commodity		53	
	724	Veneer & plywood		16	
OTHER MUNICIPAL PORTS (ANTIQUE)					
		Minor flows	21	16	30
	000	All other commodity	143	443	463
	224	Sugar	26	6	10
	226	Other food preparations		9	73
	233	Mineral water & aerated beverages	15	8	2
	234	Beer	6	10	20
	311	Unprocessed wood (excluding firewood)	35	0	69
	413	Sands & gravel	20		
	418	Petroleum	16	27	3
	511	Gasoline & aviation fuel			14
	512	Kerosene	18		
	513	Gas oils		3	15
	522	Lubricants	22	106	56
	523	Other products	2	14	4
	611	Organic chemicals	30	67	51
	612	Inorganic chemicals	114	116	133
	616	Other nitrogenous fertilizers			21
	618	Other fertilizers	14		
	716	Other chemical products	23	12	52
	727	Textiles	3	4	37
	817	Tiles & building ceramics	12		
	821	Iron & steel basic products	31	11	25
	825	Metal building parts	50	9	20
	913	Lighting & electrical parts	21		3
	915	Road transport equipment	79	41	39
CALUYA ISLAND, ANTIQUE					
		Minor flows	28	14	42
	000	All other commodity	146	98	239
	221	Flour & related products from grain	20		
	224	Sugar	3	3	24
	226	Other food preparations		3	41
	424	Metal waste and scrap			14
	511	Gasoline & aviation fuel			16
	513	Gas oils	8	50	13
	522	Lubricants	21	22	144
	523	Other products	15	6	16
	611	Organic chemicals	13	21	39
	612	Inorganic chemicals	73	72	136
	716	Other chemical products	47	18	49
	723	Other rubber products		10	1
	811	Cements	17	1	10
	821	Iron & steel basic products	13	7	30
	915	Road transport equipment	30	7	47

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TABLE A. 5
PORT OF BATANGAS, STA.CLARA BATANGAS SEA TRANSPORT OUTWARD DOMESTIC CARGO FLOWS 1991-1993
(Continued)

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
OTHER MUNICIPAL PORTS (BATANGAS)					
		Minor flows			11
	811	Cements			25
PASACAO, CAMARINES SUR					
	513	Gas oils		624	
CEBU CITY					
		Minor flows	2		
	221	Flour & related products from grain	750		
	227	Animal Feeds	400		
ILOILO,ILOILO CITY					
		Minor flows		1	
	221	Flour & related products from grain		43	
	618	Other fertilizers		30	800
	735	Household utensils		15	
OTHER MUNICIPAL PORTS (LA UNION)					
	417	Coal, lignite, bitumen, peat, shale	1,000		
ILIGAN CITY					
		Minor flows	0		
OTHER MUNICIPAL PORTS (LEYTE)					
		Minor flows			4
	612	Inorganic chemicals			10
PASAR, ISABEL, LEYTE					
	513	Gas oils	2,400	2,400	
MANILA (FIRST DISTRICT) NORTH HARBOR					
		Minor flows		8	3
	132	Milled rice		74	1
	133	Unmilled maize		225	
	172	Copra		13	108
	214	Hides & skins		13	
	311	Unprocessed wood (excluding firewood)	300		
	419	Other non-metallic minerals			1,791
	513	Gas oils	1,121	717	
	522	Lubricants	400	1	
	612	Inorganic chemicals		530	
	618	Other fertilizers	2,600	2,600	
	819	Glass bottles		2	17
	915	Road transport equipment		9	14
OTHER MUNICIPAL PORTS (MARINDUQUE)					
	618	Other fertilizers		118	
BOAC CAUSEWAY, BOAC, MARINDUQUE					
	618	Other fertilizers		152	
MASBATE, MASBATE					
		Minor flows	16		
	000	All other commodity	184		
	131	Palay	25		
	132	Milled rice	1,260		
	142	Peas & beans	10		
	221	Flour & related products from grain	926		
	224	Sugar	182		
	226	Other food preparations	42		
	227	Animal Feeds	34		
	412	Salt	10		
	618	Other fertilizers	406		

TABLE A. 5
PORT OF BATANGAS, STA.CLARA BATANGAS SEA TRANSPORT OUTWARD
DOMESTIC CARGO FLOWS 1991-1993

(Continued)

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
	915	Road transport equipment	302		
CAGAYAN DE ORO					
		Minor flows			9
	133	Unmilled maize	527	450	592
	729	Carpets, blankets, other woven products			120
OTHER MUNICIPAL PORTS OCC. MINDORO					
		Minor flows	34	36	45
	000	All other commodity	2,400	2,076	3,550
	111	Cattle & Carabao	101	31	10
	113	Swine		12	1
	121	Fish, fresh or chilled	10	12	11
	132	Milled rice	31	10	58
	155	Other vegetables	53	30	36
	161	Citrus fruit	13	1	
	167	Other fresh fruit	52	38	44
	172	Copra	22	22	
	221	Flour & related products from grain	151	51	131
	224	Sugar	236	127	126
	226	Other food preparations	15	26	27
	227	Animal Feeds	84	49	88
	233	Mineral water & aerated beverages	17	27	1
	234	Beer	6	20	3
	236	Coconut oil		6	28
	245	Vegetable fibers	10	10	
	311	Unprocessed wood (excluding firewood)	35	14	15
	413	Sands & gravel		12	
	418	Petroleum	9	54	36
	424	Metal waste and scrap	1	1	31
	513	Gas oils	5	6	21
	522	Lubricants	35	80	115
	523	Other products	14	5	7
	618	Other fertilizers	365	369	178
	716	Other chemical products	14	23	33
	724	Veneer & plywood	34	20	21
	811	Cements	1,181	740	1,003
	819	Glass bottles	37	2	1
	821	Iron & steel basic products	44	32	17
	825	Metal building parts	9	20	6
	913	Lighting & electrical parts			17
	915	Road transport equipment	3,948	3,995	8,595
	916	Special purpose road vehicles	60	28	
	921	Furniture	32	17	24
MAMBURAO (ILOG) WHARF ILOG, MAMBURAO, OCCIDENTAL MINDORO					
		Minor flows	29		3
	000	All other commodity	29		25
	233	Mineral water & aerated beverages	77		45
	234	Beer	76		
	618	Other fertilizers	91		
	811	Cements	224		
MAMBURAO (TAYAMANAN) CAUSEWAY TAYAMANAN, MAMBURAO,					
	233	Mineral water & aerated beverages	73		
	811	Cements	99	225	
SABLAYAN CAUSEWAY/PIER SABLAYAN, OCCIDENTAL MINDORO					

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TABLE A. 5
PORT OF BATANGAS, STA.CLARA BATANGAS SEA TRANSPORT OUTWARD DOMESTIC CARGO FLOWS 1991-1993
(Continued)

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
		Minor flows	72	56	44
	000	All other commodity	1,549	792	651
	131	Palay	58	12	
	132	Milled rice	53	13	1
	133	Unmilled maize	200	90	30
	135	Other unmilled grains		49	18
	155	Other vegetables	43	10	9
	167	Other fresh fruit	42	12	3
	197	Other agricultural commodities (n.e.s.)	6	29	13
	221	Flour & related products from grain	389	488	434
	224	Sugar	429	563	526
	226	Other food preparations	57	59	83
	227	Animal Feeds	60	79	108
	231	Fruit & vegetable juices	16		
	233	Mineral water & aerated beverages	319	230	122
	234	Beer	64	19	92
	311	Unprocessed wood (excluding firewood)	1	20	
	418	Petroleum	2	22	1
	513	Gas oils	10	9	
	522	Lubricants	10	6	45
	618	Other fertilizers	756	1,168	1,576
	716	Other chemical products	26	29	46
	724	Veneer & plywood	16	4	3
	728	Apparel	15	8	18
	729	Carpets, blankets, other woven products	12	5	3
	735	Household utensils	10	5	43
	811	Cements	1,205	1,130	1,161
	819	Glass bottles	58	34	4
	821	Iron & steel basic products	33	16	6
	915	Road transport equipment	52	58	190
	921	Furniture	27	17	12
SAN JOSE (CAMINAWIT), CAUSEWAY/PIER, MANGARIN, SAN JOSE,					
		Minor flows	60	75	37
	000	All other commodity	3,578	5,709	4,484
	111	Cattle & Carabao	1	11	9
	114	Poultry	29	12	21
	115	Other live animals	5	1	14
	121	Fish, fresh or chilled	3	43	6
	131	Palay		49	
	132	Milled rice	65	196	3
	135	Other unmilled grains		52	21
	145	Tobacco	8	198	218
	155	Other vegetables	61	90	81
	161	Citrus fruit		11	1
	164	Pineapples	17	12	3
	167	Other fresh fruit	64	115	89
	212	Dairy products	64	22	269
	213	Eggs	40	23	19
	221	Flour & related products from grain	416	484	460
	224	Sugar	523	649	1,060
	226	Other food preparations	92	102	57
	227	Animal Feeds	462	1,007	985
	233	Mineral water & aerated beverages	131	261	463

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TABLE A. 5
PORT OF BATANGAS, STA.CLARA BATANGAS SEA TRANSPORT OUTWARD
DOMESTIC CARGO FLOWS 1991-1993
(Continued)

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
	234	Beer	109	270	567
	236	Coconut oil	4	6	12
	250	Tobacco products	81	28	28
	311	Unprocessed wood (excluding firewood)	25	194	169
	411	Natural fertilizers		78	207
	418	Petroleum	42	89	83
	424	Metal waste and scrap			56
	512	Kerosene	35	56	
	513	Gas oils	21	17	96
	514	Fuel oils			10
	522	Lubricants	182	424	374
	523	Other products	22	5	64
	611	Organic chemicals	15	1	
	612	Inorganic chemicals	19	24	
	618	Other fertilizers	761	1,312	1,637
	712	Vitamins & pharmaceuticals	10	1	0
	713	Soap & toiletries		12	1
	716	Other chemical products	178	182	115
	724	Veneer & plywood	8	23	7
	727	Textiles	20	3	23
	728	Apparel	10	95	51
	735	Household utensils	52	43	36
	811	Cements	2,622	3,650	7,633
	813	Limes		36	
	819	Glass bottles	110	50	185
	821	Iron & steel basic products	83	154	43
	825	Metal building parts	30	27	1
	913	Lighting & electrical parts	3	40	14
	915	Road transport equipment	3,761	8,467	9,405
	916	Special purpose road vehicles	4	70	
	921	Furniture	42	100	219
TILIK CAUSEWAY/PIER LUBANG ISLAND, OCCIDENTAL MINDORO					
		Minor flows			16
	132	Milled rice			19
	221	Flour & related products from grain			24
	224	Sugar			11
	618	Other fertilizers			13
	819	Glass bottles			11
SAN JOSE DECK & WAREHOUSING INC. WHARF, SAN JOSE, OCCIDEN					
		Minor flows	42	1	10
	000	All other commodity	1,062	104	238
	114	Poultry	97		
	155	Other vegetables	31		6
	167	Other fresh fruit	23		12
	213	Eggs	11	1	
	221	Flour & related products from grain	79		23
	224	Sugar	110	4	69
	226	Other food preparations	30		2
	227	Animal Feeds	129	8	90
	233	Mineral water & aerated beverages		7	24
	234	Beer			133
	250	Tobacco products	66		
	311	Unprocessed wood (excluding firewood)	18		9

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TABLE A. 5
PORT OF BATANGAS, STA.CLARA BATANGAS SEA TRANSPORT OUTWARD DOMESTIC CARGO FLOWS 1991-1993
(Continued)

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
	418	Petroleum	1		15
	522	Lubricants	93		30
	523	Other products	17		20
	612	Inorganic chemicals	11		
	618	Other fertilizers	154	70	29
	716	Other chemical products	31		14
	728	Apparel	40	0	
	811	Cements	1,242	34	661
	819	Glass bottles	105		
	821	Iron & steel basic products		10	15
	915	Road transport equipment	1,559	68	469
	921	Furniture	11		7
OTHER OTHER NATIONAL PORTS ORR. MINDORO					
		Minor flows			4
CALAPAN, ORIENTAL MINDORO					
		Minor flows	31	27	41
	000	All other commodity	32,077	61,594	22,398
	111	Cattle & Carabao	244	172	63
	113	Swine	1	85	12
	115	Other live animals	197	75	85
	121	Fish, fresh or chilled	273	173	36
	131	Palay	45	18	2
	132	Milled rice	1,660	418	135
	133	Unmilled maize	81	40	44
	135	Other unmilled grains		501	8
	145	Tobacco	432	509	51
	152	Onions & shallots	31	5	
	155	Other vegetables	827	726	91
	161	Citrus fruit	13	9	3
	162	Bananas	6		61
	165	Mangoes, avocados, guavas, mangosteen	24		
	167	Other fresh fruit	830	867	49
	172	Copra	74	139	31
	211	Meat	13	2	5
	212	Dairy products	249	225	11
	213	Eggs	27	10	66
	221	Flour & related products from grain	4,488	2,234	258
	224	Sugar	4,005	2,499	233
	226	Other food preparations	1,431	849	81
	227	Animal Feeds	7,209	6,809	549
	233	Mineral water & aerated beverages	11,043	12,492	2,422
	234	Beer	7,906	7,959	1,209
	235	Other alcoholic beverages	39	4	45
	236	Coconut oil	75	180	1
	237	Other vegetable oils	13	2	1
	250	Tobacco products	359	57	9
	311	Unprocessed wood (excluding firewood)	480	210	68
	411	Natural fertilizers	12		4
	412	Salt	17	17	48
	414	Marble	3	3	18
	418	Petroleum	371	750,714	1
	424	Metal waste and scrap	23	2	124
	511	Gasoline & aviation fuel		41	367

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TABLE A. 5
PORT OF BATANGAS, STA.CLARA BATANGAS SEA TRANSPORT OUTWARD
DOMESTIC CARGO FLOWS 1991-1993
(Continued)

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
	512	Kerosene	137	60	90
	513	Gas oils	94	237	202
	514	Fuel oils	11		
	522	Lubricants	2,112	2,188	293
	523	Other products	796	149	694
	611	Organic chemicals	10	20	25
	612	Inorganic chemicals	15	71	1
	618	Other fertilizers	12,588	10,627	2,160
	713	Soap & toiletries	28	2	
	716	Other chemical products	584	408	35
	722	Tires	8	102	0
	724	Veneer & plywood	743	577	474
	725	Wood & cork products	9	9	48
	727	Textiles	29	12	8
	728	Apparel	78	113	98
	735	Household utensils	16	15	39
	811	Cements	21,075	18,969	6,481
	812	Cement clinkers	15	15	
	819	Glass bottles	14,109	2,920	360
	821	Iron & steel basic products	878	1,283	14
	825	Metal building parts	138	37	13
	913	Lighting & electrical parts	25	46	24
	915	Road transport equipment	136,279	155,059	114,342
	916	Special purpose road vehicles	80	206	265
	921	Furniture	671	452	56
	924	Refrigerators & freezers	23	0	
OTHER MUNICIPAL PORTS ORR. MINDORO					
	618	Other fertilizers		72	
PUERTO GALERA, ORIENTAL MINDORO					
		Minor flows	101	82	30
	000	All other commodity	1,270	1,786	1,858
	113	Swine	13		
	115	Other live animals	12	8	6
	121	Fish, fresh or chilled	3	22	15
	132	Milled rice	4	5	30
	135	Other unmilled grains		16	3
	155	Other vegetables	61	40	20
	167	Other fresh fruit	23	28	26
	172	Copra	54	30	14
	197	Other agricultural commodities (n.e.s.)	16	2	
	213	Eggs	81	45	11
	221	Flour & related products from grain	111	98	99
	224	Sugar	97	142	87
	226	Other food preparations	33	19	15
	227	Animal Feeds	58	226	135
	233	Mineral water & aerated beverages	44	256	119
	234	Beer	10	55	113
	235	Other alcoholic beverages	1	15	1
	311	Unprocessed wood (excluding firewood)	18	74	48
	413	Sands & gravel	13	2	
	414	Marble	29	19	5
	418	Petroleum	15	37	5
	424	Metal waste and scrap		0	14

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TABLE A. 5
PORT OF BATANGAS, STA.CLARA BATANGAS SEA TRANSPORT OUTWARD DOMESTIC CARGO FLOWS 1991-1993
(Continued)

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
	513	Gas oils	2	1	21
	522	Lubricants	49	32	119
	523	Other products	2	0	15
	618	Other fertilizers	31	38	14
	716	Other chemical products	6	5	26
	724	Veneer & plywood	129	174	39
	728	Apparel	21	9	8
	729	Carpets, blankets, other woven products	2	0	22
	735	Household utensils	36	43	9
	811	Cements	396	969	1,462
	819	Glass bottles	18	58	13
	821	Iron & steel basic products	206	204	66
	825	Metal building parts	22	1	5
	913	Lighting & electrical parts	9	4	12
	915	Road transport equipment	294	1,091	3,987
	916	Special purpose road vehicles		26	10
	921	Furniture	38	25	27
PUERTO PRINCESA CITY, PALAWAN					
	618	Other fertilizers		500	
CULION, CULION COLONY, PALAWAN					
		Minor flows	5		
OTHER MUNICIPAL PORTS PALAWAN					
		Minor flows		6	7
	000	All other commodity			75
	197	Other agricultural commodities (n.e.s.)		23	14
	612	Inorganic chemicals			12
	618	Other fertilizers			48
	714	Plastics		19	
CORON CAUSEWAY/WHARF, PALAWAN					
		Minor flows	27	35	65
	000	All other commodity	1,224	1,264	785
	132	Milled rice	602	1,171	499
	135	Other unmilled grains	0	10	2
	155	Other vegetables	3	27	17
	167	Other fresh fruit	3	65	6
	197	Other agricultural commodities (n.e.s.)	0	14	5
	221	Flour & related products from grain	114	125	214
	224	Sugar	276	300	367
	226	Other food preparations	35	19	54
	227	Animal Feeds	77	66	134
	233	Mineral water & aerated beverages	633	481	523
	234	Beer	578	530	365
	235	Other alcoholic beverages	13		10
	236	Coconut oil	1	13	9
	311	Unprocessed wood (excluding firewood)	11	2	1
	424	Metal waste and scrap			14
	512	Kerosene	2		26
	513	Gas oils	0	203	339
	522	Lubricants	96	38	80
	618	Other fertilizers	52	64	56
	724	Veneer & plywood	17	7	15
	725	Wood & cork products	9	17	13
	811	Cements	183	103	391

TABLE A. 5
PORT OF BATANGAS, STA.CLARA BATANGAS SEA TRANSPORT OUTWARD
DOMESTIC CARGO FLOWS 1991-1993
(Continued)

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
	819	Glass bottles	661	257	139
	821	Iron & steel basic products	12	12	18
	915	Road transport equipment	1	20	97
CUYO CAUSEWAY & TIMBER LANDING PALAWAN					
		Minor flows		8	14
	000	All other commodity		7	28
	132	Milled rice		8	11
	221	Flour & related products from grain		10	2
	233	Mineral water & aerated beverages		7	13
	234	Beer		7	15
	513	Gas oils			39
COTTA, LUCENA CITY					
		Minor flows	0		
	172	Copra	40		
	811	Cements	13		
OTHER OTHER NATIONAL PORTS ROMBLON					
		Minor flows	5	15	
	000	All other commodity		15	
	132	Milled rice	12	2	
	221	Flour & related products from grain	2	25	
	234	Beer		10	
	514	Fuel oils		46	
OTHER MUNICIPAL PORTS ROMBLON					
		Minor flows	63	45	51
	000	All other commodity	2,181	3,631	3,939
	111	Cattle & Carabao	68	14	21
	113	Swine	7	11	15
	115	Other live animals	6	0	20
	121	Fish, fresh or chilled	2	12	5
	132	Milled rice	468	210	554
	134	Corn grits & meal	14		4
	135	Other unmilled grains		69	7
	142	Peas & beans	19	0	0
	145	Tobacco	0	3	70
	155	Other vegetables	24	51	25
	167	Other fresh fruit	20	27	23
	172	Copra		1	14
	197	Other agricultural commodities (n.e.s.)	12	3	4
	212	Dairy products	15	4	16
	221	Flour & related products from grain	652	536	339
	224	Sugar	578	494	364
	226	Other food preparations	192	138	41
	227	Animal Feeds	634	654	517
	233	Mineral water & aerated beverages	694	1,425	1,269
	234	Beer	600	1,299	1,746
	236	Coconut oil	17	28	4
	311	Unprocessed wood (excluding firewood)	39	80	6
	412	Salt	4	19	29
	418	Petroleum	2	108	29
	424	Metal waste and scrap	2	0	90
	512	Kerosene	10	22	22
	513	Gas oils	1	0	82
	514	Fuel oils		14	

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TABLE A. 5
PORT OF BATANGAS, STA.CLARA BATANGAS SEA TRANSPORT OUTWARD DOMESTIC CARGO FLOWS 1991-1993
(Continued)

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
	522	Lubricants	284	468	851
	523	Other products	8		175
	618	Other fertilizers	453	388	211
	716	Other chemical products	9	11	16
	724	Veneer & plywood	13	43	21
	728	Apparel	9	26	12
	811	Cements	122	732	999
	819	Glass bottles	1,068	550	421
	821	Iron & steel basic products	5	152	19
	913	Lighting & electrical parts	1		13
	915	Road transport equipment	2,204	4,831	7,142
	916	Special purpose road vehicles	3	18	2
	921	Furniture	12	6	53
ROMBLON,ROMBLON					
		Minor flows	35	46	72
	000	All other commodity	850	847	765
	111	Cattle & Carabao	29		1
	132	Milled rice	1,011	5,608	318
	135	Other unmilled grains		65	1
	155	Other vegetables	7	8	17
	212	Dairy products	0		13
	221	Flour & related products from grain	697	490	193
	224	Sugar	167	156	50
	226	Other food preparations	107	43	63
	227	Animal Feeds	163	102	98
	233	Mineral water & aerated beverages	99	406	207
	234	Beer	143	680	752
	235	Other alcoholic beverages		17	1
	236	Coconut oil	4	15	5
	412	Salt	19	61	9
	414	Marble	93		2
	418	Petroleum	98	188	18
	511	Gasoline & aviation fuel			14
	512	Kerosene		57	51
	513	Gas oils	13	114	89
	522	Lubricants	451	165	370
	523	Other products	11	3	58
	618	Other fertilizers	111	51	6
	716	Other chemical products	7	13	2
	725	Wood & cork products		0	254
	728	Apparel	1	11	6
	811	Cements	127	476	651
	819	Glass bottles	451	173	226
	821	Iron & steel basic products	103	12	43
	825	Metal building parts	1		19
	915	Road transport equipment	303	354	1,533
CATBALOGAN, WESTERN SAMAR					
	132	Milled rice			1,000
MAKAR WHARF, GEN. SANTOS CITY SOUTH COTABATO					
	221	Flour & related products from grain		74	
SAN JOSE, BAYAGNAN ISLAND SURIGAO DEL NORTE					
		Minor flows			24

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ANNEX B

CALABARZON PROJECT

Introduction

The CALABARZON Sub-Region is part of Region IV, which occupies the central portion of Luzon island. It comprises the five provinces of Cavite, Laguna, Batangas, Rizal and Quezon. It has a total land area of 16,229 sq. km. and had a total population of 6.5 million in 1992. Please refer to Figure B.1, CALABARZON Sub-region.

The CALABARZON project was conceived, in 1990, to develop areas where new investment/expansion by local and foreign investors could be directed. It is intended to be the alternative location to Manila for industrial development, thereby giving the Manila metropolitan area an opportunity to cope with the array of urban problems which have developed during a lengthy period of unrelieved population and economic growth. The project was reformulated, in 1991, to include other sectors that must be developed simultaneously with the industrial sector, in order to have a more rational and integrated approach to regional development. Specifically, the need was recognized to ensure that infrastructure and services expand at rates corresponding to industrial growth, and that social and environmental concerns are also addressed. Objectives of the project are to promote equitable development, sustain a high level of growth in the industrial sector, enhance income levels in rural areas, and increase social capacity for development.

The basic development strategy of the project is a blend of agro-based and high industrialization strategies. Agro-based strategy puts emphasis on agriculture, agro-processing and development of services directed to the rural population, with an aim of increasing agricultural output to support processing industries and changing cropping patterns to exploit market opportunities. On the other hand, high industrialization strategy, as shown in Figure B.2, is to correspond to a large spillover of industries from Metro Manila and induce development of linkage industries, including small and medium enterprises.

Proposed Development

CALABARZON, due to its locational advantage, is well served by the transport network providing transport connections to Metro Manila, including the Maharlika Highway, main line railway,

international airport, international port of Manila, and the regional ports of Batangas and Lucena. Roads comprise the primary mode of transportation in CALABARZON, providing access to international airport and seaport (Manila International Container Terminal and Manila South Harbor). Shown in Figure B.3 is the scheme for CALABARZON port development, which calls for the improvement of several ports - Batangas Port, Sangley Point Container Transshipment Port, and Real Port and Dalahican Port in Quezon Province. Further, road and highway development projects include the South Luzon Expressway extension and the Calamba-Calauag road rehabilitation, both OECF funded, and the Noveleta-Rosario Diversion road and Binakayan Diversion Road, both locally funded.

Tables B.1 through B.4 presents the lists of companies which were in operation, in April 1993, or which had signified their interest in the CALABARZON project, as compiled by DTI-Region IV. The Board of Investments (BOI) registered 111 projects by April 1993, as shown in Figure B.4. Registered projects numbered 37 in Cavite, 32 in Laguna, 15 in Batangas, 25 in Rizal and 2 in Quezon province. Figure B.5 identifies the industrial estate locations and their road access.

FIGURE B.1

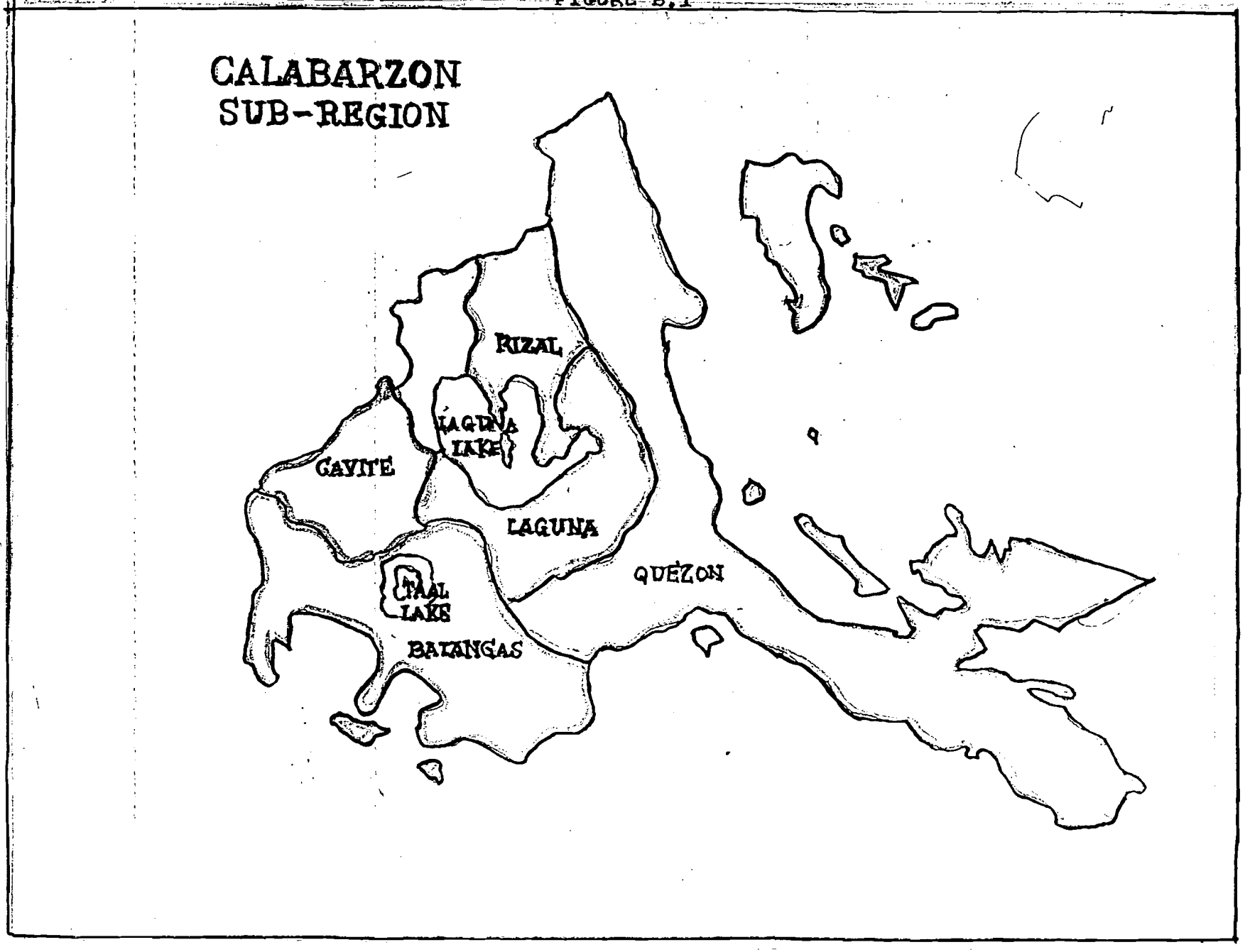
CALABARZON
SUB-REGION
RIZAL
LAGUNA
LAKE
CAVITE
LAGUNA
QUEZON
TAAL
LAKE
BATANGAS

FIGURE B.2

Industrial Areas Of Calabarzon Project

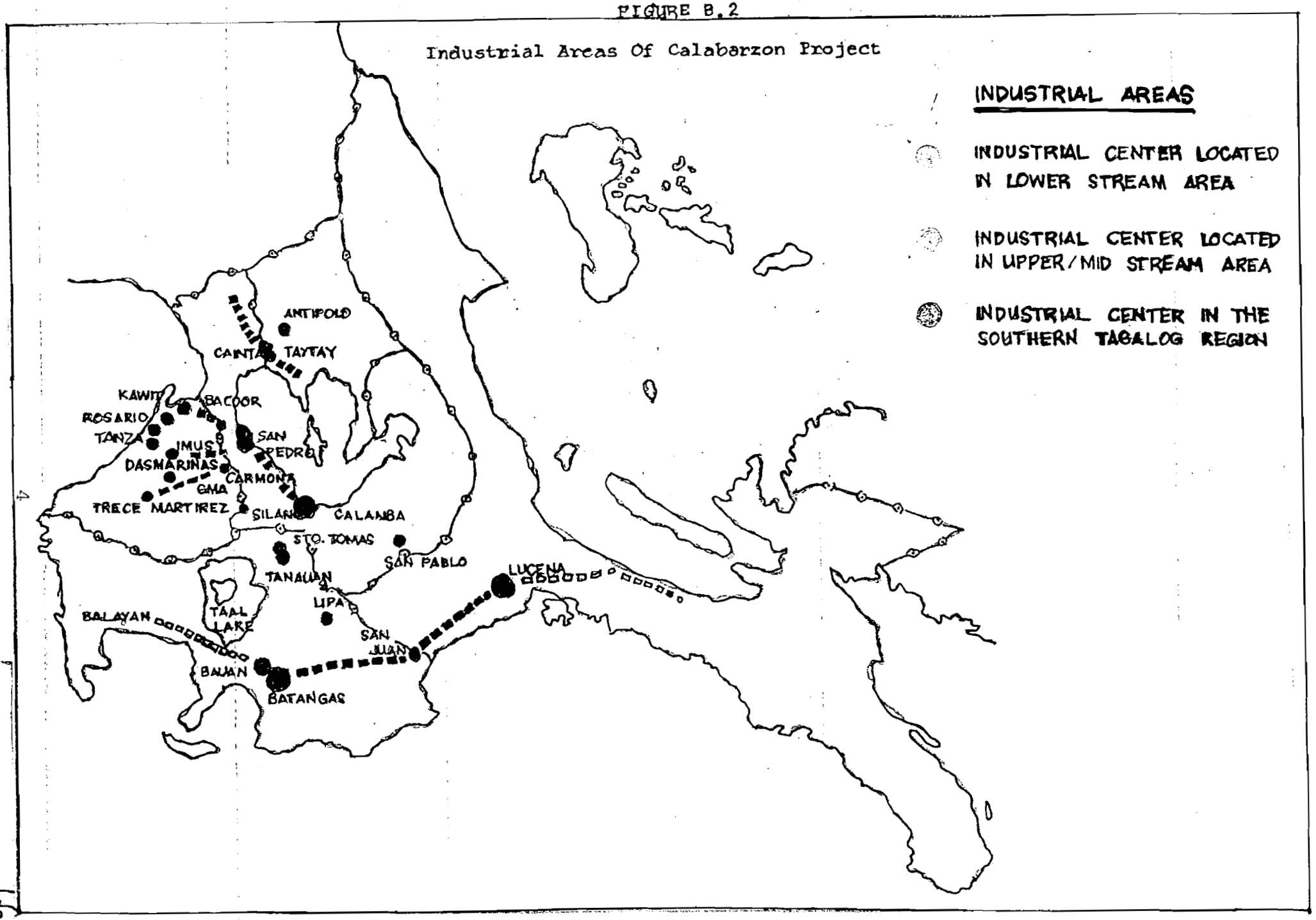

FIGURE B.3

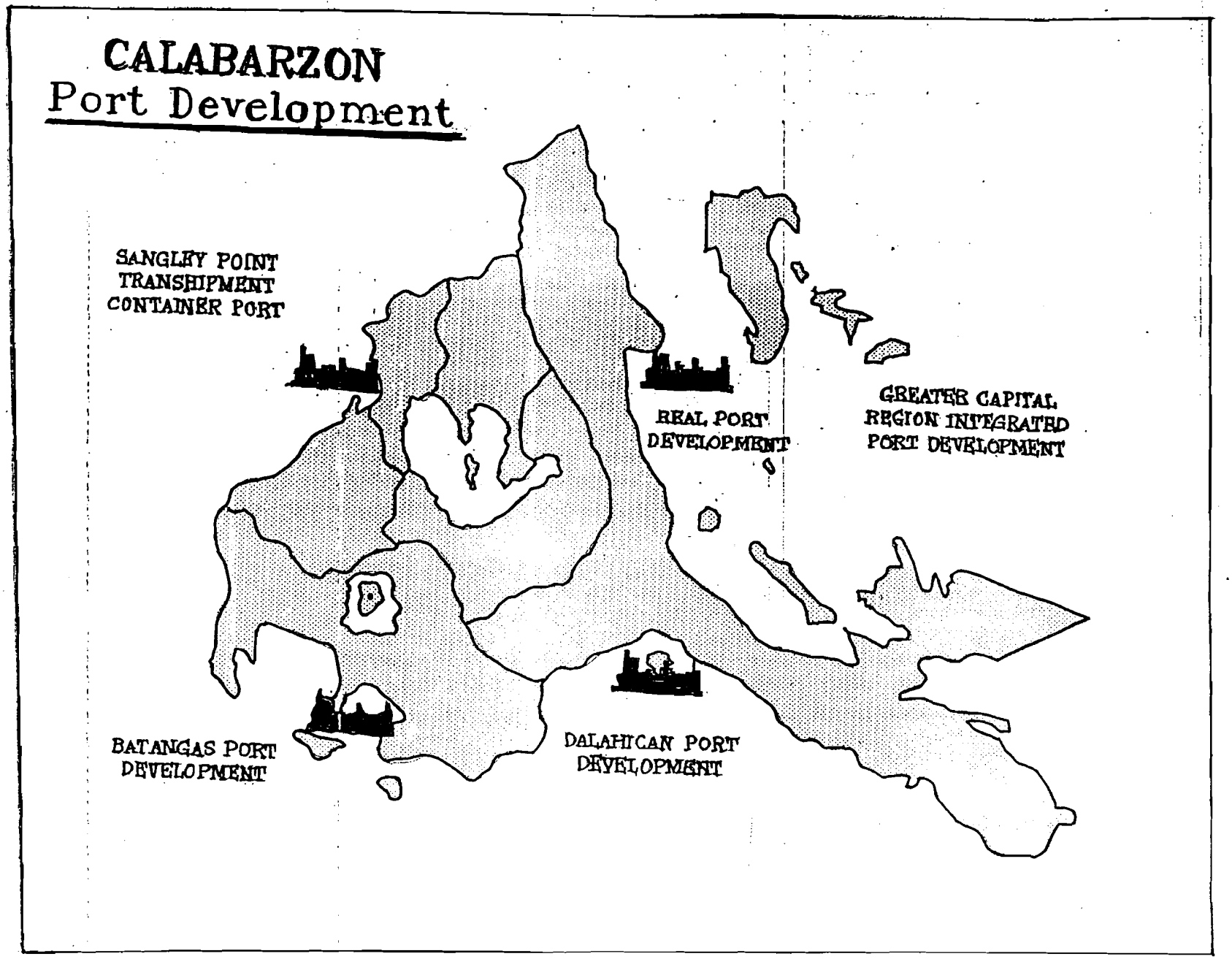
CALABARZON
Port Development
SANGLEY POINT
TRANSHIPMENT
CONTAINER PORT
REAL PORT
DEVELOPMENT
GREATER CAPITAL
REGION INTEGRATED
PORT DEVELOPMENT
BATANGAS PORT
DEVELOPMENT
DALAHICAN PORT
DEVELOPMENT

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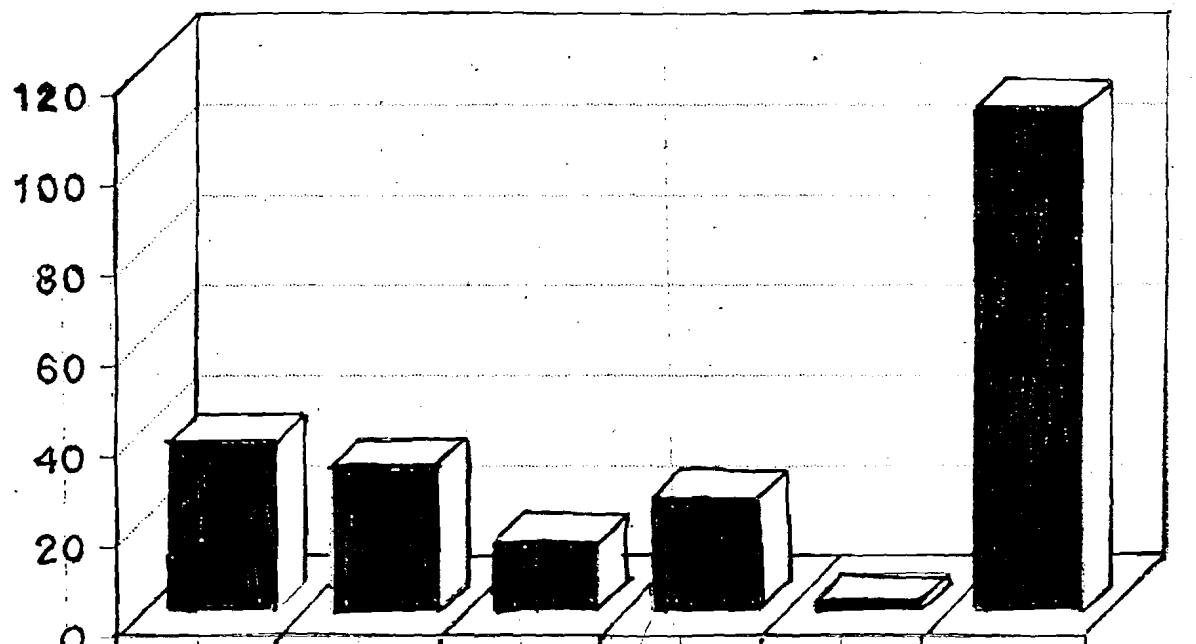
FIGURE 8.4

NUMBER OF PROJECTS REGISTERED
CALABARZON VS. PHILIPPINES
1993



	CAV	LAG	BATS	RIZ	QUE	TOTAL
CALABARZON	37	32	15	25	2	111
Philippines						394
% Share	9.39	8.12	3.81	6.34	0.51	28.17

Source: BOI Registered Investments

Table B.1

CALABARZON Operational Companies, as of April 1993

NAME OF COMPANY	PRODUCT/ACTIVITY	EQUITY PARTICIPATION
CAVITE EXPORT PROCESSING ZONE		
1. Antistatic Product Specialist Inc.	cable terminals and pins stoppers	100 % Filipino
2. Filkor Business Integrated Inc.	knitted sweaters, stuffed toys and electronic products	100% Korean
3. Iwax Philippines	disposable lighters and component parts	100% Japanese
4. Mayon Garments Manufacturing	babies, children's, men's ladies' knitted woven garments	100% Filipino
5. San Tech. Inc.	Manufacture of computer components	100 % Japanese
6. Naxon Systems (Phils.) Inc.	telephone equipment, consumer communication equipment and industrial communication equipments	100% Korean
7. Kingsreich Corp.	reconditioning of used automotive engines	51% Japanese 49% Filipino
8. Lu Chun Shin Yee Works Co., ltd.	stainless steel screws and hexagon nuts	100% Taiwanese
9. Cavite Apparel Corp.	coats, vests and pants	100% Filipino
10. Sun Moon Mfg. Corp.	manufacture of garments, pajamas, underwear, baby's wear	60% Filipino 40% British (HK)
11. SCK Mfg. Phils. Corp.	garments	100% Filipino
12. Mikado Phils. Corp.	manufacture of marine propellers	
13. Nihon Garter Phils. Inc.	manufacture and processing of carrier tapes	100 % Japanese
14. Cavite Manufacturing Co. Inc.	manufacture of industrial gloves from PVC, nylon and textile materials	98.84% American 1.16% Filipino
15. MEC Electronics Phils.	manufacture of power supply cord sets, cable assemblies wiring harness	60% Filipino 40% Taiwanese
16. Eastar Export Venture Corp.	knitted sweaters	10% Korean
17. CS Garment Inc.	garments	100% German

Table B.1
(Continued)

CALABARZON Operational Companies, as of April 1993

NAME OF COMPANY	PRODUCT/ACTIVITY	EQUITY PARTICIPATION
18. Pacific Rare Metals	rare metals such as selenium tellenium barium selenate, indium, copper sulfate, bismuth etc.	72% Filipino 28% Australian
19. Chong Wong Fashion Inc.	ladies and mens sweaters, ladies and mens t-tops	100% Korean
20. Chang Cheun Cotton Paper Mfg. Co., Ltd . (Phils.)	decorated papers and novelty items	100% Taiwanese
21. Japan Mufflers Inc.	exhaust pipes and mufflers	100% Japanese
22. Clarion Mfg. Phils. Corp	car stereos and radios	100% Japanese
23. Hayawaka Electric Wire Co.	Wire Harness	100% Japanese
24. Luminary Int'l. Inc.	fashion bags and accessories	100% Japanese
25. JPN Inc.	Industrial name plates, panels and cords	100% Japanese
26. Toei Corporation	bed covers, blankets, pillows, bed sheets, bed pads, cushions, table clothes, sleeping bags	100% Japanese
27. Sansei Electric Corp.	electrical switches	100% Japanese
28. Selma Apparel Corp.	ladies garments	100% Korean
29. Cavite Socks Mfg. Inc.	hosiery	100% Korean
30. Sentoh Denshi industries Inc.	speakers for car radios instruments	50% Filipino 50% Japanese
31. Saisho Onkyo, Inc.	speakers for car radios	100% Filipino
32. Phils-Jeon, Inc.	garments	100% Korean
33. Unix Manila, Inc.	micro-computer/electronic parts	100% Japanese
34. Philips Export Industries, Inc	athletic sports shoes	100% Hongkong
35. DFG Int'l. Inc.	assorted electric light bulbs	50% Taiwanese 50% Filipino
36. Kalayaan Arts & Crafts	Wood carving	100% Filipino
37. Omi Semi Philippine Corp.	ladies and children garments	99.97% Japanese 0.03% Filipino

Table B.1
(Continued)

CALABARZON Operational Companies, as of April 1993

NAME OF COMPANY	PRODUCT/ACTIVITY	EQUITY PARTICIPATION
38. Ming Tsung Lian Ent. Phils.	plumbing fixtures, such as fittings gate valves, faucet connectors, colinoid valves and water housing meter	100% Taiwanese/Chinese
39. Mex PKC Corp.	manufacture of components of pleasure and house exterior product such as gutter, doors fence	100% Filipino
40. Chunji Int'l. (Phils) Inc.	garments	99% Korean 01% Filipino
41. Maxon Packaging Components Inc.	plastic telephone casing	50% Korean 50% Filipino
42. Young sin (Phils) Co., Inc.	manufacture of electric transformer and adapter	96% Korean 04% Filipino
43. Justpark Asia Corp.	pre-fabricated steel materials and galvanized steel sheets	100% Japanese
44. Sam Joo Corp.	men's ladies, children wear and other hosiery products	97% Korean 03% Filipino
45. Ito Manufacturing (Phils) Corp.	rebuilding of automobile parts	99.98% Japanese 0.02% Filipino
46. Japan Special glass Inc.	specialized glass for use in mounting on electronic equipments	100% Japanese
47. Phil Bobbin Inc.	tobacco wrapper	50% French 50% Spanish
48. Japantex Apparel Inc.	girl's dresses, bustler suits and others	99% Indian 01% Filipino
49. Woo Chang Co. Inc.	embroidery garment or ornamental needle work	100% Korean
50. Tass Industrial Corp.	disposable cutlery and tumblers and repacking consumable for airlines and hotels	84.3% Indian 7.7% American 8.0% Filipino
51. Dae Young Apparel Inc.	manufacture of various knitted sweaters	100% Korean
52. All Asia Garments Ind. Inc.	men's and ladies jackets, blazers skirts and parts	60% Filipino 40% Chinese (HK)
53. Ju-Young Electronics, Phils. Inc.	pressed metal components such as mounting chassis, connecting terminals, mounting, brackets & shiel cases	99.80% Korean .17% American .03% Filipino

Table B.1
(Continued)

CALABARZON Operational Companies, as of April 1993

NAME OF COMPANY	PRODUCT/ACTIVITY	EQUITY PARTICIPATION
54. Dae-Eun Electronics	modular telephone jacks, plug cords and accessories	99.94% Korean .04% Filipino .02% American
55. Samma Corp.	baseball gloves	100% Koean
56. Pan-Asia Corp.	wrist watch case dial	100% Korean
57. Triple Eight Garments Ind., Inc.	knitted garments	99% HK 1% Filipino
58. Commodore Phils.	manufacture of computer hardware including its interface cords, peripherals,c entral processing units and other computer components	100% American
59. GJM Philippines Mfg., Inc.	garments, such as sleepwears, panties, lingeries and other intimate apparels for ladies	60% Filipino 40% British
60. Speedy Tech. (Phils.) Inc.	manufacture transformer, priter circuit boards and computer casting	99.97 % Chinese .03% Filipino
61. KGK Gasket Phils. Corp.	manufacture automobile gaskets	80% Japanese 20% Filipino
62. Dae Ryung Ind., Inc. (Phils)	printed circuit board, telecommunication equipment such as satellite receiver, radar detectors and cordless telephone	100% Korean
63. Suraza International Phils. Inc.	blouses, children's wear, jackets and pajamas	100% Japanese
64. AVAS Garments	garments	100% Filipino
65. Ocean Electronic Mfg., Corp.	electronic transformer & power adopter	70% Filipino 30% British
66. Pamela Inc.	various garment item such as blouses, skirts, pants, dresses, jackets, quilts, nightgowns, etc.	99% Japanese 01% Filipino
67. Daswani Enterprises, Inc.	wearing apparels	100% Indian
68. VT Fashion Imafe	manufacture of garments	99.95% Filipino .05 % Taiwanese
69. Westar Technologies Inc.	various kind of precision engineer plastic products	80% German 20% Australian

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Table B.1
(Continued)

CALABARZON Operational Companies, as of April 1993

NAME OF COMPANY	PRODUCT/ACTIVITY	EQUITY PARTICIPATION
70. Dai Yoon Industry Corp.	manufacture and assembly of car radios	100% Korean
71. Nigata Seiki	measuring instruments	100% Japanese
72. Jin-Woo Jubilant Elect. Phils.	polyester film capacitor	71.04% Filipino 28.06% Korean
73. S.D. Phils., Inc.	manufacture of men's suit particularly coats/vest & pants	100% Korean
74. Yo-Zuri Phils. Inc.	Fishing baits & lures	100% Japanese
75. Leisure Sleep Manufacturer	bed linen, nursery items	85% Australian 15% Filipino
76. Challenge Socks Corp.	manufacture hosiery items such as men's, ladies and childrens socks	100% Korean
77. Nali Industries	men's ladies underwear	100% Yemeni
78. Clarion Mitsuwa (Phils.) Inc.	plastic infected parts for car radio and stereo	100% Japanese
79. Fee Fil. Mag Phils., Corp.	manufacture magnetic products such as pulse transformer delay line, filler, ac-dc converter torroid data communications magnetics inductors and coils	100% Taiwanese
80. Ancra Phils.	manufacture and assembly of various type and design of cargoes restrain and tie down straps	100% Japanese
81. JD Textile Industries Inc.	wearing apparel	100% Indian
82. Ant Steel Corp.	fabrication of various metal parts and fitting for the construction industry	100% Japanese
83. Shi Tai Mfg., Inc.	manufature various gifts and novelty items such as statues ash trays, jewelry boxes, photo frames, flower pots, candle holders, etc.	100% Taiwanese
84. Nam-il Phils. Corp.	computerized embroidery	100% Korean

B

Table B.1
(Continued)

CALABARZON Operational Companies, as of April 1993

NAME OF COMPANY	PRODUCT/ACTIVITY	EQUITY PARTICIPATION
85. Vesugi Phils., Inc.	manufacture polyethelene film bags	100% Japanese
86. P.L. Engineering Phils. Inc.	manufacture telephone casings and other related injection components	

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Table B.2

CALABARZON Companies Under Development

as of April 1993

NAME OF COMPANY	PRODUCT/ACTIVITY	EQUITY PARTICIPATION
Computech Electronics Int'l. Inc.	manufacture and assembly of personal computer and /or components such as CPU monitor, keyboard, Printer and computer accessories.	100 % Filipino
Wear Arts Ind.	t-shirts, dresses, infant wear	100% Filipino
Rainbow Phils. Corporation	manufacture pellet shaped colored pigments popularly called high content master batch and general purpose master batch	99.99 % Korean 0.01 % Filipino
Horel Phils.	stuffed toys/dolls	100% Japanese
Toppy Company Inc.	wearing apparel particularly denim, pants and denim jackets	100% Filipino
Bosung Corp.	manufacture of cotton socks	100% Korean

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Table B.3

CALABARZON Registered Companies Without Physical Presence
as of April 1993

NAME OF COMPANY	PRODUCT/ACTIVITY	EQUITY PARTICIPATION
Concord Pottery (Manila) Co., Corp.	manufacture of ceramic items	100 % Taiwanese
Top Fashion Sweater Manufacturer	various knited sweater	100% Korean
Sino Phil. Chemical Industries Inc.	chemical projects such potasium sulfate and liquid hydroclorine acid	100%Taiwanese
Bum Woo Phils., Inc.	manufacture leather gloves and leather goods	100% Korean
Delta Multi-Business	Garments	70% Filipino 20% American's 10% Brazilian
Keon Yung Industrial Phils., Inc.	manufacture telephone handset cords, line cords, carphone cords, KBD cables and other communication wires and cables	99.88% Korean 00.12% Filipino
Wung Fu Garments	garments, particularly t-shirts for men, ladies & children. Polo shirts and other wearing apparel.	100% Taiwanese

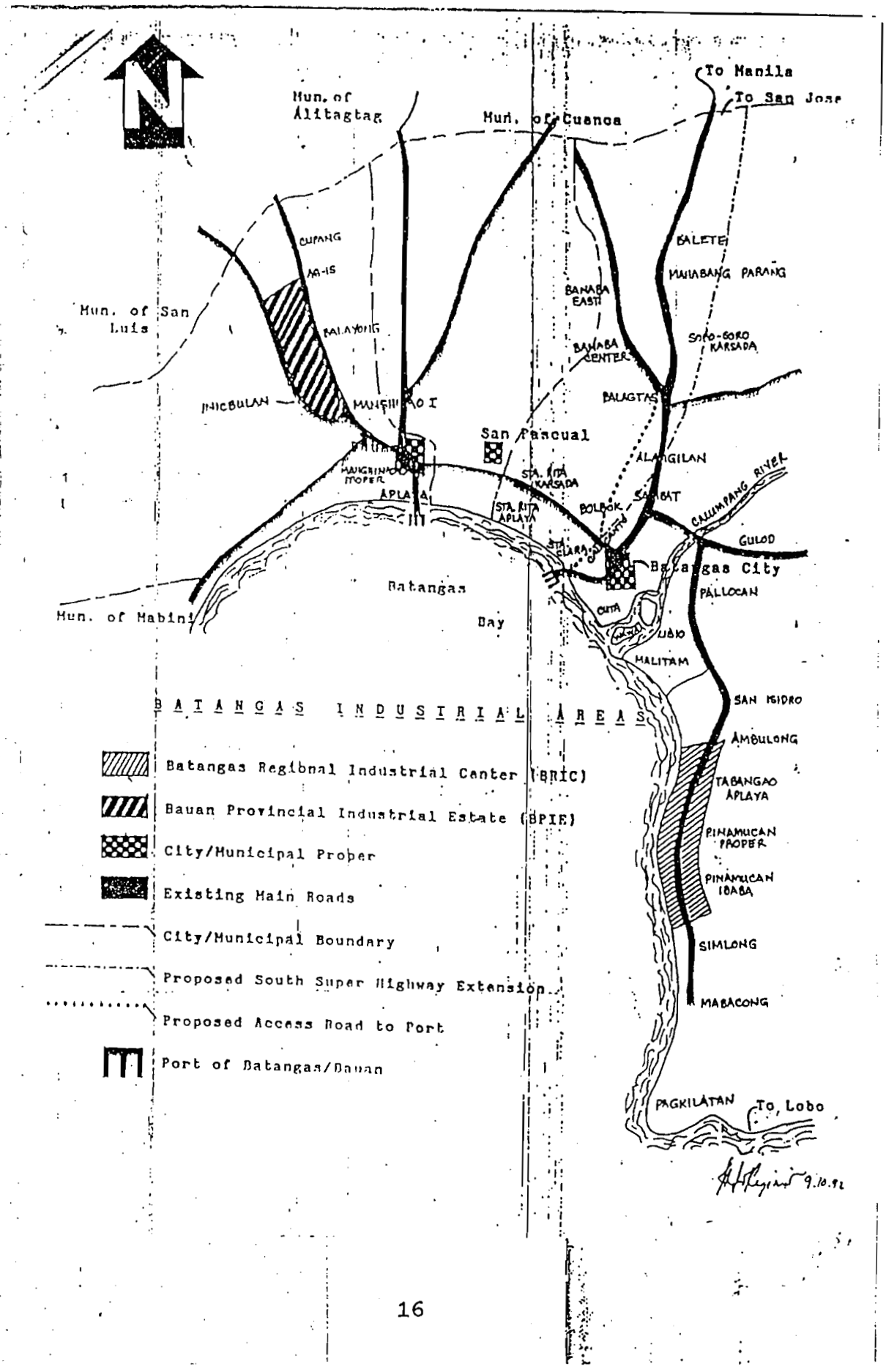
Table B.4

Approved CALABARZON Companies Not Yet Registered

as of April 1993

NAME OF COMPANY	PRODUCT/ACTIVITY	EQUITY PARTICIPATION
Star Light International Inc.	manufacture ladies panties	93% Japanese 7% Filipino
European Apparel Corporation Manufacturer	manufactures garments. specially childrens knitted wear	
Ergonomic Industries Phils., Inc.	manufactures chairs and other furniture items	
Sam Bo Systems (Phils.) Inc.	manufacture rubber antennae, helical and DPX filters, AC/DC converters and TXCO for tele-communications	
Kagemoto Apparel Inc.	manufacture high fashion ladie's dresses	
Shin Lim Industrial Corp.	manufactures of antistatic shipping tubes and their accessories	60% Filipino 40% Korean
Arim Phils. Co.	manufacture of plastic injection molded parts, transformers and other	100% Korean
PM Electroplating & Metallurgical Services	electronic components plated lead frame	80& Filipino 20% Malaysian
Formosa Garments Mfg., Inc.	garmentsparticulary, ladies nightwear,mens shirts, pants & other wearing apparel	100% Taiwanese
3-A Apparel Corp.	garments such as children's dresses, playsuits, sunsuits, men's & ladies apparel, coats, sweaters, winter suits, and nightwear	

FIGURE B.5



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ANNEX C

LSRS SURVEY RESULTS

The LSRS team, in the conduct of surveys of shippers in the Visayas (Cebu, Iloilo, Tacloban, Catbalogan, and Tagbilaran) and in Cagayan de Oro, included a supplementary survey questionnaire to determine the potential demand for shipping routes connecting Batangas with the ports of Cebu, Tacloban, Iloilo and Cagayan de Oro. A summary of the survey results is presented in Table C.1.

The supplemental survey aimed at determining the potential for the diversion of cargo flows from the port of Manila to the port of Batangas, after the Batangas Port development project has been implemented, and with the establishment of new domestic liner shipping services to the port. The supplemental survey extended to more than 50 manufacturing and trading firms, including 32 firms that were interviewed in Cebu, 9 in Tagbilaran, 6 in Iloilo, 3 in Cagayan de Oro and several enterprises in Tacloban and Catbalogan.

The results of the survey include the following:

- Exports destined for the United States are shipped to Manila North Harbor for transshipment at the South Harbor or the Manila International Container Terminal (MICT). These cargoes are mostly comprised of frozen prawns, food products, seaweed, furniture and handicrafts, coming from Cebu, Tagbilaran and Iloilo. Domestic cargoes are likewise shipped to Manila North Harbor, with Manila and nearby provinces such as Oriental and Occidental Mindoro being the final destinations.

- The majority of firms shipping to Manila, in 1993, answered that they might shift shipments from Manila to Batangas, depending on the shipping rates, handling charges and hauling costs for both domestic and export cargoes and, depending also on the preference of foreign buyers/importers.

- Advantages that may arise from shifting some cargo from Manila include, among others: no double-handling at Manila (i.e., avoidance of the need for transshipment), easy retrieval of cargoes and faster delivery to consignee, reduced spoilage of perishables, and lower handling costs.

- Reasons given as regards unwillingness to shift cargo from Manila to Batangas are: (1) trucking is utilized at present and not shipping services from the point of origin, (2) possible higher transport cost, (3) depends

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entirely on the foreign buyer/importer, (4) more delays will be encountered, and (5) the existing markets for the company's products are in Mindanao or the Visayas.

- Cargoes which are being transshipped at Cebu include rice destined for Eastern Visayas from Iloilo, and cassava chips from Tagbilaran for export via Cagayan de Oro. Grains shipments from Davao to Cebu are being transshipped at Manila.

- Other ports used as exit points for export cargo are the public port of Cagayan de Oro and a private port at Iligan (i.e., Granexport).

- The cost advantages of avoiding transshipment at Manila or Cebu are the elimination of double-handling, no additional handling cost/freight, and less transit time.

The LSRS also conducted a brief survey of passengers at the Manila North Harbor in an attempt to ascertain the potential for shifting passenger trips from Manila to Batangas. The sample size was 181 passengers. The passengers were waiting to board a vessel which would call at Boracay, Zamboanga, and Cotabato. The passengers were asked where their trip originated, and given the options of answering Manila, Cavite, Laguna, Rizal, Quezon, Batangas, or "other", and were then asked to indicate their port of departure preference if services were being operated to their destination from both Manila and Batangas. Not surprisingly, all passengers whose trip was beginning in Manila indicated that sailing from Manila would continue to be their preference. Most passengers with trips beginning outside of Manila also favored sailing from Manila in comparison with the opportunity to sail from Batangas. Only nine passengers, or about five percent of the sample, indicated that they would leave from Batangas, if satisfactory services were being provided to that port. The majority of the passengers so responding had their trip origin at Batangas, so the trip to Manila would be avoided by shifting to services at Batangas.

Thirty-seven percent of the interviewed passengers indicated that their trip was beginning at Manila, and less than eight percent of the passengers indicated that their trip began at Batangas. Another five percent of the passengers started their trip in Cavite Province.

SUPPLEMENTAL SURVEY OF SHIPPERS

SHIPPER	PORTION OF CARGOES SHIPPED TO MNLA N.H.	WOULD YOU SHIFT SHIPMENTS FROM MLA.TO BTGAS IF PORT WILL BE MODERNIZED?	ADVANTAGES SEEN FROM SHIFTING SOME CARGO FROM MLA.TO BATANGAS	REASONS OF UNWILLINGNESS TO SHIFT CARGO FROM MLA-BTGAS	WHAT PORTION OF SHIPMENT TO MLA. ARE EXPORTS W/C REQUIRE TRAN SHIPMENT?	WHAT PORTION OF CARGOES ARE BEING TRANSHIPPED AT CEBU?	PORTION OF CARGOES W/C ARE BEING SHIPPED TO A FOREIGN PORT FROM PHIL.	WHAT ARE IMPORTS REQ'RED IN OPERATIONS, W/C REQUIRE TRANSHIPM AT MLA? CEBU? NEAR THE BASE OF OPERATIONS	COST ADVAN-TAGES OF AVOIDING TRANSHIP AT MLA. OR CEBU?
CEBU:									
San Miguel Corp.	None.	Mla. takes care of Southern Luzon market.	Not applicable	Trucking is used.	None	Shipment to Eastern Visayas, if barge is not available.	None	Imports for beer manufacture unloaded at Cebu & barged to Mandaue plant.	Eliminate double handling if imports are unloaded directly at Mandaue.
Jaz Cola	None.	Market does not cover Luzon yet but if there is potential market near Batangas, they will ship their products.	No double handling at Manila.	No cargo yet.	None	None.	None.	Imports of emulsion from US are transhipped to Mla. then loaded on domestic vessel for Cebu.	No add'l handling cost/freight
Pepsi Cola	None.	Mla. takes care of S. Luzon market.	Not applicable	Trucking is used.	None	None, since Pepsi-Tacloban takes care of E.Visayas market.	None	None.	No double handling if their cargoes are shipped on LCT destined to Bohol.
AG & H Marketing	None.	No shipments to Batangas or Luzon are being done.	Not applicable.	No market.	None.	100% of shipment of rice to E. Visayas.	None.	Not applicable.	Not applicable.
Cebu Gen.Merchandise GD Commercial	100% of grain shipment from Davao to Cebu.	-Same-	Not applicable.	Not applicable.	None.	100% of grain shipment from Davao to Cebu.			
General Milling Cor.	100% of imports are shipped to Mla. N.H. for Cebu. Some food exports.	Not applicable.	Not applicable.	GMC has its own port at Batangas.	18-20% of shipments.	Not applicable.	None.	Imports of food are transhipped to Mla.	No double handling, less freight & less transit time. On exports saving of P4-5,000/20-ft. ven incl.d. transfer fr. North Harbor to South H
East Visayan Milling A.D.Gothong SZ Food Processors King's Dity.Food	None.	Not applicable.	Not applicable.	Not applicable.	None.	Not applicable.	None.	None.	Not applicable.
Virginia Farms	20% of shipments destined to Mla.	Not applicable.	Not applicable.	Not applicable.	None.	Not applicable.	None.	None.	Not applicable.
Gold Ribbon Food	None.	Not applicable.	Not applicable.	Not applicable.	None.	Not applicable.	None.	None.	Not applicable.
Sunpride Foods,Inc.	None.	Not applicable.	Not applicable.	Not applicable.	None.	Not applicable.	None.	None.	Not applicable.
RF Villalonga									
Edea Corporation									
Alpha Marketing									
Lite's Auto Supply									
Lincoln Trading									
Sugeco									
Benedicto & Sons									
Jojo's Food Products	None.	Not applicable.	Not applicable.	Not applicable.	None.	Not applicable.	None.	None.	Not applicable.
Prince W.House Club									
Gemelio & Sons Trad.	None.	Not applicable.	Not applicable.	Not applicable.	None.	Export of Bur. fur.it. are on direct call.	None.	None.	Not applicable.
Beeggymen Trading	70% of canned prods.	Not applicable.	Not applicable.	Not applicable.	None.	Exports are shipped directly from Cebu port	None.	None.	Not applicable.
Lu Do & Lu Yen Corp.	75% of shipments of cornstarch, feeds glucose & caramel	Depends on the shipping rates/hauling charge from Batangas.	Easy retrieval of cargoes & faster delivery to consignee	Depends on consignee	None.	Not applicable.	None.	None.	Not applicable.
Sugeco Export Corp.	85% of export of frozen prawns (mostly US dest.)	Depends on shipping rates and importers' preference.	No spoilage.	Depends on importer	85% of exports	15% of exports are on foreign vessels directly calling Cebu port	None.	None.	20% savings on transport & handling costs.
Sherberg Marketing	100% of US destined exports of seaweeds & others.	Depends on importers	No spoilage.	Depends on importer	50% of total exports are for US market.	20% are on direct call from Cebu.	None.	None.	18-20% cost & time savings.
A & P Food Corpor'n	25% of exports of food products	Depends on importers	Less damage to cargo	Depends on importer.	15-25% of ship., depends on no. of direct calls at Cebu port	75% are direct calls at Cebu.	None.	None.	It is cheaper to tranship to Mla. than direct call from Cebu thru APL & GLMC.
Loran Industries Amer Trading	100% of exports of furniture	Depends on importer.	Less handling cost	Depends on importer	100% of shipment	None.	None	Not applicable	Lower shipping rate & no transhipment rate
Edman International	100% of exports of handicraft items	Depends on importer.	Less handling cost	Depends on importer	100% of shipment	None	None	Not applicable.	Lower shipping rate & no transhipment rate

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TABLE C.1
(Continued)

SUPPLEMENTAL SURVEY OF SHIPPERS

SHIPPER	PORTION OF CARGOES SHIPPED TO MNLA N.H.	WOULD YOU SHIFT SHIPMENTS FROM MLA TO BTGAS IF PORT WILL BE MODERNIZED?	ADVANTAGES SEEN FROM SHIFTING SOME CARGO FROM MLA TO BATANGAS	REASONS OF UNWILLINGNESS TO SHIFT CARGO FROM MLA-BTGAS	WHAT PORTION OF SHIPMENT TO MLA ARE EXPORTS W/C REQUIRE TRANSHIPMENT?	WHAT PORTION OF CARGOES ARE BEING TRANSHIPPED AT CEBU?	PORTION OF CARGOES W/C ARE BEING SHIPPED TO A FOREIGN PORT FROM PHIL.	WHAT ARE IMPORTS REQ'RED IN OPERATIONS, W/C REQUIRE TRANSHIPM/ AT MLA? CEBU? NEAR THE BASE OF OPERATIONS	COST ADVANTAGES OF AVOIDING TRANSHIP AT MLA OR CEBU?
TAGBILARAN:									
Bohol Native Prods. Quad Native Prods.	70% of shipments of handicraft exports.	Depends on transport cost	Faster delivery.	Higher transport cost.	20% of shipment	None.	None.	Not applicable.	Lower freight cost.
Alturas Supermarket Tagbilaran Lumber Gaisnell Lumber Chelim Industries B-Meg Corporation Granexport Mktg.	None.	Not applicable.	Not applicable.	Not applicable.	None.	Not applicable.	None.	None.	Not applicable.
Gaani Marketing	None.	No.	Not applicable.	Depends on importer.	None.	100% of export of cassava chips from Tag. to Cag.de Oro via Cebu.	100% of shipment to Cagayan de Oro.	None.	Less freight & handling costs.
ILOILO:									
SV Market Ventures	80% of Cargo for Mindoro Occidental mostly ag/Lmacit. 20% via Kalibo-Buruanga to Calapan	Yes, esp. if shipping rates are lower	Direct shipment; shorter travel time; Lower handling fees/ shipping rates	If shipping rates will be higher than indirect shipping connection if there are more delays	100% of exports to Brunei (_C_'	10-15% of shipment those destined for Tacloban	None	Transhipment at Mla. from Southampton	Lesser freight since import freight from Southampton to Mla. is lower than from Mla. to Iloilo
Agri-Fresh Corp.	100% of exports.	Depends on importer/ if lower transport costs	Less congestion; faster cargo deliver	If there are more delays & higher costs	100% of exports to Italy	None.	None.	Imports of raw materials transhipped at Mla.	Lesser freight & handling cost.
Pasay Gemares Producers' Ass'n	20% of exports - loose shellcrafts & 80% by air/ handicr.	Not probable.	Lesser cost.	More delays.	20% of exports.	None.	None.	Nor e.	Lower freight cost.
Josephine Manse Trading Corporation Azarra Pacific Trad.	100% of exports of prawns	Depends on importer.	Lesser transport & handling charges.	More delays in shipment	100% of shipment.	None.	None.	100% of imports transhipped at Manila.	Lower freight costs.
Confederation of Grain Shippers	10% of rice shipment to Manila.	Depends on transport cost	Faster delivery	More delays/higher transport cost	None.	Not applicable.	Not applicable	Not applicable.	Not applicable.
TACLOBAN:									
AA Export	100% of exports of prawns are trucked to Manila South H.	None.	None but higher trucking cost	Not practical to do so.	100% of prawn exports	None.	None.	Transhipment at Mla.	No trucking cost if foreign vessels call Tacloban direct.
Granexport Corp.	None.	Not applicable since market is Iligan mills.	None.	Market is Iligan.	None.	None.	Iligan private port	Not applicable.	Not applicable.
Leyte Export & Trad.	None.	Market is Cebu.	None.	Market is Cebu.	None.	Cebu is final destina.	Not applicable	Not applicable.	Not applicable.
Bamboo Marketing Coca Cola SMC Beer Marketing Visayas Auto Supply Farmhouse Marketing Pacifica Agri-vet St.Jude Farmers YKS Oil Manufacu. Tacloban Hardware Norkis Industries Glass Marketing Air-cor Marketing Best Motors PNG Poult./Hog Feeds Blackgold SMC Magnolia Corp. Asia Brewery Paper House Bee Hoo Trading Go Pao Trading Leyte Lumber Yard Manila Construction RL Marketing Imperial Trading Ford Motors Auto Ser. Aaron Plaza	None.	Not applicable.	Not applicable.	Not applicable.	None.	Not applicable.	Not applicable	Not applicable.	Not applicable.

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TABLE C.1
(Continued)

SUPPLEMENTAL SURVEY OF SHIPPERS

SHIPPER	PORTION OF CARGOES SHIPPED TO MNLA H.H.	WOULD YOU SHIFT SHIPMENTS FROM MLA TO BTGAS IF PORT WILL BE MODERNIZED?	ADVANTAGES SEEN FROM SHIFTING SOME CARGO FROM MLA TO BATANGAS	REASONS OF UNWILLINGNESS TO SHIFT CARGO FROM MLA-BTGAS	WHAT PORTION OF SHIPMENT TO MLA ARE EXPORTS W/C REQUIRE TRANSHIPMENT?	WHAT PORTION OF CARGOES ARE BEING TRANSHIPPED AT CEBU?	PORTION OF CARGOES W/C ARE BEING SHIPPED TO A FOREIGN PORT FROM PHIL.	WHAT ARE IMPORTS REQ'RED IN OPERATIONS, W/C REQUIRE TRANSHIPM AT MLA? CEBU? NEAR THE BASE OF OPERATIONS	COST ADVANTAGES OF AVOIDING TRANSHIP AT MLA. OR CEBU?
R Marka'ag	None.	Shipments of salt from Occ.Mindoro by barge can be shifted to Batangas if there's direct call to Tacloban. 580 bags/mo.	Faster delivery of salt orders to consignees.	Not applicable.	None.	None.	None	None.	None.
Supreme Aqua Prods.	None.	Depends on foreign buyer.	Lower transport cost since now, exports are via Cebu (by land/ferry connect.)	More delays	100% of marine product exports	100% of exports	None.	Transhipment at Mla.	No transhipment costs of about(P1,000)/ship.
YKS Oil Manufactu.	Copra cake of 3-5 vans per week	No.	None.	Market is Manila.	None.	None.	None.	Transhipment at Mla.	No transport cost.
CATBALOGAN:									
Maqueda Bay Fish Dealers' Ass'n.	100% of shipment of fish,squid,shrimps, black tiger prawns, crabs, octopus, lobster, cuttlefish by trucking, no shipping.	Depends on the importer/ foreign vessel.	None.	Shipping is not utilized, but trucking only from Catbalogan to Manila.	100% of export shipment.	None.	None.	None.	Not applicable.
Salt dealers	No shipment to Mla. but trompers are chartered from Mindoro to Catbalogan	Not applicable.	Lesser transport & handling costs.	Higher transport cost/ more shipment delays	None.	None.	None.	None.	Lesser transport cost for salt cargoes from Mindoro to Catbalogan if there's direct call.
CAGAYAN DE ORO:									
Ore Mesra Agri-Tra. Golden Agro Mktg. Asociaca Com Trad.	60% shipments to Bel. 40% shipment to Mla. for ei destina.	Willing to shift ship. to Batangas.	Less transport cost/ time delays	Higher transport cost.	None.	None.	None.	None.	If there's direct call to Batangas fr.CDO, savings in freight & trucking costs will be realized.

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ANNEX D

MANILA NORTH HARBOR COMMODITY FLOWS, 1991-1993

(National Statistics Office Cargo Origin-Destination Information)

TABLE D. 1
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT OUTWARD
DOMESTIC CARGO FLOWS 1991-1993

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
MASAO GOV'T. PIER, LUMBOCAN, BUTUAN CITY					
		Minor flows	5	19	58
	000	All other commodity	11	35	365
	146	Fieldcrop legumes			18
	192	Other oil seeds			17
	221	Flour & related products from grain	10	3	36
	226	Other food preparations	5		26
	227	Animal Feeds			19
	231	Fruit & vegetable juices			20
	233	Mineral water & aerated beverages			21
	250	Tobacco products		0	45
	412	Salt		20	
	619	Petrochemicals			38
	712	Vitamins & pharmaceuticals		0	19
	713	Soap & toiletries		11	0
	727	Textiles		3	28
	728	Apparel		7	41
	735	Household utensils			60
	814	Building stone			26
	818	Glass & products (excluding bottles)		0	18
	821	Iron & steel basic products		0	60
	915	Road transport equipment		7	78
	921	Furniture			22
BUTUAN GOV'T.(R.C.)WHARF, BUTUAN CITY					
		Minor flows	11	28	34
	000	All other commodity	571	2,106	3,594
	125	Other seafood	249	142	269
	132	Milled rice	134	1,165	
	133	Unmilled maize	19	3	12
	135	Other unmilled grains		18	
	142	Peas & beans	3	7	18
	145	Tobacco	20		
	152	Onions & shallots		26	15
	155	Other vegetables		1	14
	165	Mangoes, avocados, guavas, mangosteen		5	18
	197	Other agricultural commodities (n.e.s.)			26
	211	Meat	2	7	27
	212	Dairy products	850	1,683	539
	221	Flour & related products from grain	864	661	721
	222	Other field crop & vegetable meal, etc.	21	52	2
	223	Preserved fruits & products	81	9	2
	224	Sugar	40	107	18
	226	Other food preparations	670	696	919
	227	Animal Feeds	45	55	19
	231	Fruit & vegetable juices	35	6	18
	232	Processed coffee, cocoa & tea	327	86	1,618
	233	Mineral water & aerated beverages	49		7
	234	Beer	1,616	486	297
	235	Other alcoholic beverages	1,264	1,004	919
	250	Tobacco products	358	605	1,666
	311	Unprocessed wood (excluding firewood)		127	540
	412	Salt	3,296	38	16
	511	Gasoline & aviation fuel	30		
	522	Lubricants	695	592	728
	523	Other products	18	67	

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TABLE D. 1
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT OUTWARD DOMESTIC CARGO FLOWS 1991-1993

(Continued)

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
	611	Organic chemicals	36		47
	612	Inorganic chemicals	6	15	
	711	Paints, inks & coloring agents	10	39	61
	712	Vitamins & pharmaceuticals	66	191	333
	713	Soap & toiletries	218	162	247
	714	Plastics	5	1	25
	716	Other chemical products	43	39	86
	722	Tires	36	122	129
	723	Other rubber products	6	15	5
	724	Veneer & plywood	5	11	62
	725	Wood & cork products	22	3	22
	727	Textiles	5	26	60
	728	Apparel	218	150	140
	733	Meters & measuring instruments	21		
	735	Household utensils	71	120	375
	811	Cements		12	1
	814	Building stone	0		39
	818	Glass & products (excluding bottles)	6	33	67
	819	Glass bottles	252	18	119
	821	Iron & steel basic products	954	811	671
	825	Metal building parts	25	202	109
	912	Communications equipment	0	18	116
	913	Lighting & electrical parts	2	79	52
	915	Road transport equipment	540	426	241
	916	Special purpose road vehicles		6	24
	917	Other transport equipment & parts	3	3	11
	921	Furniture	72	28	28
	924	Refrigerators & freezers	6	90	38
NASIPIT GOV'T. (R.C.) WHARF, NASIPIT					
		Minor flows	57	77	36
	000	All other commodity	5,189	2,986	1,263
	121	Fish, fresh or chilled		10	
	125	Other seafood	529	384	464
	132	Milled rice	35	206	
	145	Tobacco		20	
	152	Onions & shallots	6	15	26
	162	Bananas	48		
	165	Mangoes, avocados, guavas, mangosteen	11		
	211	Meat		12	10
	212	Dairy products	47	357	475
	221	Flour & related products from grain	591	100	369
	226	Other food preparations	567	290	558
	227	Animal Feeds	111	665	112
	232	Processed coffee, cocoa & tea	17		
	233	Mineral water & aerated beverages	41	112	8
	234	Beer	3,967	3,034	
	235	Other alcoholic beverages	2,482	1,696	761
	246	By products & residue of cotton		24	
	250	Tobacco products	1,770	773	261
	311	Unprocessed wood (excluding firewood)	141		
	314	Wood chips & scrap		15	
	522	Lubricants	997	188	187
	523	Other products	43	24	0
	711	Paints, inks & coloring agents	7	7	12
	712	Vitamins & pharmaceuticals	137	234	71

TABLE D. 1
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT OUTWARD
DOMESTIC CARGO FLOWS 1991-1993

(Continued)

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
	713	Soap & toiletries	598	220	138
	716	Other chemical products	29		139
	722	Tires	29	9	56
	724	Veneer & plywood	204		7
	725	Wood & cork products	39	22	6
	727	Textiles	14	34	25
	728	Apparel	60	14	290
	729	Carpets, blankets, other woven products	30	6	5
	735	Household utensils	841	744	243
	816	Bricks & blocks	13	179	
	817	Tiles & building ceramics			10
	819	Glass bottles	217	160	
	821	Iron & steel basic products	23	33	35
	823	Aluminum products	1		302
	824	Other metal products		264	
	825	Metal building parts	29	106	38
	913	Lighting & electrical parts	134	72	22
	915	Road transport equipment	94	223	171
	917	Other transport equipment & parts	15		
	921	Furniture	35	12	
	924	Refrigerators & freezers	52	0	20
OTHER MUNICIPAL PORTS (AGUSAN DEL NORTE)					
	522	Lubricants		42	
	915	Road transport equipment	104		
EURASIA MATCH INCORPORATED					
		Minor flows			6
OTHER OTHER NATIONAL PORTS (AKLAN)					
	234	Beer	272		
OTHER MUNICIPAL PORTS (AKLAN)					
		Minor flows	102	52	27
	000	All other commodity	37	96	157
	221	Flour & related products from grain	6	10	21
	234	Beer	2,160		440
	235	Other alcoholic beverages		10	18
	728	Apparel	6	20	15
	811	Cements			44
	821	Iron & steel basic products	22	23	20
	915	Road transport equipment	14	27	7
ABUJOY (CALONG-CALONG) CAUSEWAY/PIER,					
		Minor flows	5		30
	915	Road transport equipment	0		13
BATAN, AKLAN					
		Minor flows	68	36	63
	000	All other commodity	300	267	431
	125	Other seafood	21	10	18
	132	Milled rice	48		0
	133	Unmilled maize	27		
	152	Onions & shallots	15	35	78
	154	Leafy vegetables		10	25
	212	Dairy products	6		18
	221	Flour & related products from grain	407	71	90
	226	Other food preparations	410	49	35
	227	Animal Feeds	23	2	29
	232	Processed coffee, cocoa & tea	17		18
	233	Mineral water & aerated beverages	60	31	18

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TABLE D. 1
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT OUTWARD DOMESTIC CARGO FLOWS 1991-1993

(Continued)

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
	234	Beer	6		88
	235	Other alcoholic beverages	437	113	
	250	Tobacco products			27
	522	Lubricants	112	18	28
	612	Inorganic chemicals	40	4	
	712	Vitamins & pharmaceuticals	264	259	276
	713	Soap & toiletries	30	0	2
	725	Wood & cork products	22	25	17
	727	Textiles	10	3	2
	728	Apparel	195	38	4
	729	Carpets, blankets, other woven products	20	1	1
	735	Household utensils	103	101	202
	821	Iron & steel basic products	272	61	65
	825	Metal building parts	33	5	18
	912	Communications equipment	6	21	19
	913	Lighting & electrical parts	79	1	45
	915	Road transport equipment	121	37	36
	917	Other transport equipment & parts	5	3	12
	921	Furniture	8	14	40
	924	Refrigerators & freezers	84	47	5
	925	Other household equipment	57	17	0
DUMAGUIT CAUSEWAY/PIER NEW WASHINGTON, AKLAN					
		Minor flows	50	67	44
	000	All other commodity	1,082	986	731
	125	Other seafood	33	10	54
	132	Milled rice		37	
	134	Corn grits & meal	15		
	141	Potatoes	3	7	24
	152	Onions & shallots	17	47	73
	153	Root vegetables		0	12
	154	Leafy vegetables	0	12	29
	155	Other vegetables	5	6	99
	212	Dairy products	10	0	9
	221	Flour & related products from grain	175	230	188
	223	Preserved fruits & products	3	13	9
	226	Other food preparations	176	319	80
	227	Animal Feeds	3	60	2
	232	Processed coffee, cocoa & tea	31	3	
	233	Mineral water & aerated beverages		10	81
	234	Beer	1,488	3,215	1,442
	235	Other alcoholic beverages	344	663	401
	250	Tobacco products	358	96	67
	412	Salt	8	16	
	419	Other non-metallic minerals	10	6	6
	522	Lubricants	37	3	
	523	Other products	25	1	
	612	Inorganic chemicals	19	17	24
	618	Other fertilizers	10	0	1
	619	Petrochemicals		20	0
	712	Vitamins & pharmaceuticals	25	10	68
	713	Soap & toiletries	56	68	6
	714	Plastics	15	0	
	716	Other chemical products	4	7	11
	722	Tires	11	1	0
	725	Wood & cork products	57	14	6

TABLE D. 1
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT OUTWARD
DOMESTIC CARGO FLOWS 1991-1993

(Continued)

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
	727	Textiles	65	30	4
	728	Apparel	30	107	58
	729	Carpets, blankets, other woven products	25	21	5
	733	Meters & measuring instruments	20	10	
	735	Household utensils	266	76	35
	817	Tiles & building ceramics	13	0	1
	819	Glass bottles	100		1
	821	Iron & steel basic products	431	129	20
	825	Metal building parts	60	43	39
	913	Lighting & electrical parts	59	2	1
	915	Road transport equipment	221	118	76
	916	Special purpose road vehicles	33	30	9
	921	Furniture	44	83	9
	924	Refrigerators & freezers	21	11	11
NEW WASHINGTON, AKLAN					
		Minor flows		60	126
	000	All other commodity		334	573
	125	Other seafood		17	29
	133	Unmilled maize			12
	152	Onions & shallots		3	20
	155	Other vegetables		10	27
	221	Flour & related products from grain		34	314
	224	Sugar			10
	226	Other food preparations		81	302
	227	Animal Feeds		50	65
	234	Beer	4,179	0	
	412	Salt		41	9
	413	Sands & gravel			17
	522	Lubricants		7	27
	612	Inorganic chemicals		2	11
	711	Paints, inks & coloring agents		28	749
	713	Soap & toiletries		0	12
	714	Plastics		1	20
	716	Other chemical products		10	28
	722	Tires		5	21
	724	Veneer & plywood		17	13
	725	Wood & cork products		14	24
	727	Textiles		8	25
	728	Apparel		24	96
	729	Carpets, blankets, other woven products		4	10
	734	Photographic equipment & materials		28	1
	735	Household utensils		101	223
	816	Bricks & blocks		10	2
	821	Iron & steel basic products		802	835
	825	Metal building parts		10	31
	913	Lighting & electrical parts		3	20
	915	Road transport equipment	2	119	211
	916	Special purpose road vehicles		10	
	921	Furniture		5	13
LEGASPI, LEGAZPI CITY					
		Minor flows		17	1
	811	Cements			970
	814	Building stone		10	
RAPU-RAPU (BATAN) CAUSEWAY RAPU-RAPU, ALBAY					
		Minor flows	61	20	27

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TABLE D. 1
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT OUTWARD DOMESTIC CARGO FLOWS 1991-1993

(Continued)

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
	000	All other commodity	15	12	28
	133	Unmilled maize	15		
	221	Flour & related products from grain	79	7	
	226	Other food preparations	54		
	233	Mineral water & aerated beverages	34	10	
	235	Other alcoholic beverages	73	4	
	712	Vitamins & pharmaceuticals	33	19	45
	728	Apparel	37	1	0
	735	Household utensils	29	11	1
	825	Metal building parts	28	1	0
	924	Refrigerators & freezers	36	1	0
OTHER OTHER NATIONAL PORTS (ANTIQUE)					
		Minor flows			9
SAN JOSE DE BUENAVISTA, ANTIQUE					
		Minor flows	34		26
OTHER MUNICIPAL PORTS (ANTIQUE)					
		Minor flows	63	25	7
	000	All other commodity	39	1	8
	221	Flour & related products from grain	12		
	226	Other food preparations	38		
	235	Other alcoholic beverages	10		
	712	Vitamins & pharmaceuticals	61		
	728	Apparel	33	0	
	735	Household utensils	10	1	0
	817	Tiles & building ceramics	1		10
CALUYA ISLAND, ANTIQUE					
		Minor flows	16		
	000	All other commodity	130		
	311	Unprocessed wood (excluding firewood)	10		
	522	Lubricants	16		
	716	Other chemical products	13		
	915	Road transport equipment	17		
ISABELA WHARF, BASILAN CITY					
		Minor flows	69	41	19
	000	All other commodity	195	107	1,652
	125	Other seafood	63	53	41
	132	Milled rice	254	1,588	91
	142	Peas & beans	12	1	
	152	Onions & shallots	15	1	2
	212	Dairy products	2	12	
	221	Flour & related products from grain	152	177	153
	226	Other food preparations	258	334	265
	231	Fruit & vegetable juices	59	56	28
	232	Processed coffee, cocoa & tea		29	
	233	Mineral water & aerated beverages	19		
	235	Other alcoholic beverages	246	329	127
	412	Salt	1,283	1,549	190
	612	Inorganic chemicals	15	5	4
	713	Soap & toiletries	33	17	13
	735	Household utensils	98	254	18
	815	Asphalt and similar material	21		
	817	Tiles & building ceramics	12		
	821	Iron & steel basic products	275	158	58
	825	Metal building parts	91	24	42
	915	Road transport equipment	93	99	

TABLE D. 1
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT OUTWARD
DOMESTIC CARGO FLOWS 1991-1993

(Continued)

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
OTHER MUNICIPAL PORTS (BASILAN)					
		Minor flows	5	3	
	125	Other seafood	12		
	132	Milled rice	26	70	
	226	Other food preparations	35	33	
	522	Lubricants	8	23	
	612	Inorganic chemicals	25		
	821	Iron & steel basic products	12	32	
	915	Road transport equipment	32	33	
LAMITAN, BASILAN PROVINCE					
	132	Milled rice		1,134	
	412	Salt		1,224	
	821	Iron & steel basic products		70	
MARIVELES, BATAAN					
	424	Metal waste and scrap		10	
	612	Inorganic chemicals		294	
	821	Iron & steel basic products	158		
	915	Road transport equipment	12		
	916	Special purpose road vehicles	10		
LIMAY, BATAAN					
		Minor flows	0		
	000	All other commodity			171
	513	Gas oils	2,489		
	821	Iron & steel basic products		10	
	915	Road transport equipment	10	103	1
OTHER MUNICIPAL PORTS (BATAAN)					
		Minor flows	9		
	000	All other commodity	0	100	14
	413	Sands & gravel		376	
	616	Other nitrogenous fertilizers	70		
	811	Cements		50	
	916	Special purpose road vehicles		15	60
OTHER PRIVATE PORTS (BATAAN)					
	513	Gas oils	1,285	780	1,297
BATAAN REFINING COMPANY BO. LAMAO, LIMAY, BATAAN					
		Minor flows		1	
	000	All other commodity		667	
	513	Gas oils		2,632	3,636
	523	Other products			58
	612	Inorganic chemicals		863	
	616	Other nitrogenous fertilizers		169	
	618	Other fertilizers		275	
	825	Metal building parts		20	
PORT OF BATANGAS STA. CLARA, BATANGAS					
		Minor flows	24		15
	000	All other commodity	30		3
	132	Milled rice		3,893	133
	221	Flour & related products from grain	100		30
	311	Unprocessed wood (excluding firewood)			1,325
	412	Salt		612	
	513	Gas oils		471	
	522	Lubricants	16		1,121
	811	Cements	39		
	821	Iron & steel basic products	13		37
	913	Lighting & electrical parts		45	

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TABLE D. 1
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT OUTWARD DOMESTIC CARGO FLOWS 1991-1993

(Continued)

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
	915	Road transport equipment	1	4	10
	916	Special purpose road vehicles	50		
OTHER MUNICIPAL PORTS (BATANGAS)					
	511	Gasoline & aviation fuel		321	
BAUAN PIER, BAUAN, BATANGAS					
		Minor flows	28		
	000	All other commodity	27		
	226	Other food preparations	11		
	235	Other alcoholic beverages	10		
SAN AGUSTIN SAMPALOCAN ISLA VERDE ROCK MOLE					
		Minor flows		17	9
OTHER PRIVATE PORTS (BATANGAS)					
		Minor flows	11		
	412	Salt	24		
KEPPEL (PHIL.) SHIPYARD INCORPORATED,					
	513	Gas oils			30
PHILIPPINE ENERGY SUPPLY BASE MABINI, BATANGAS					
		Minor flows	21		
	811	Cements	16		
PHILIPPINE NATIONAL OIL CORPORATION SHIPPING & TRANSPORT CO					
		Minor flows			
TAGBILARAN CITY					
		Minor flows	49	33	17
	000	All other commodity	8,482	8,547	6,356
	125	Other seafood	340	118	18
	132	Milled rice	302	3,356	375
	133	Unmilled maize	5	37	31
	141	Potatoes	6	17	6
	142	Peas & beans	13	1	11
	146	Fieldcrop legumes	1	64	18
	152	Onions & shallots	37	55	65
	153	Root vegetables	0	13	11
	155	Other vegetables	10	4	12
	161	Citrus fruit	5	13	13
	163	Temperate fruits	8	20	26
	166	Melons & papaya			12
	191	Cut flowers			18
	211	Meat	142	24	
	212	Dairy products	2,487	2,045	1,012
	221	Flour & related products from grain	1,457	1,635	1,909
	224	Sugar	60		
	225	Molasses & related products	5	17	
	226	Other food preparations	3,001	2,651	1,360
	227	Animal Feeds	964	1,205	1,092
	231	Fruit & vegetable juices	0	22	
	232	Processed coffee, cocoa & tea	105	54	128
	233	Mineral water & aerated beverages	236	0	27
	234	Beer	6,566	6,888	248
	235	Other alcoholic beverages	4,290	4,453	3,129
	250	Tobacco products	1,121	1,224	890
	311	Unprocessed wood (excluding firewood)	18	16	
	412	Salt	2,130	22	1,028
	413	Sands & gravel	50		
	414	Marble	21	10	
	416	Building stone		10	

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TABLE D. 1
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT OUTWARD
DOMESTIC CARGO FLOWS 1991-1993

(Continued)

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
	417	Coal, lignite, bitumen, peat, shale	19	41	
	419	Other non-metallic minerals		40	
	511	Gasoline & aviation fuel	33	18	
	513	Gas oils	27	68	13
	514	Fuel oils			27
	522	Lubricants	1,430	1,169	1,208
	523	Other products		232	48
	612	Inorganic chemicals	250	277	21
	618	Other fertilizers	17		
	711	Paints, inks & coloring agents	67	41	18
	712	Vitamins & pharmaceuticals	457	349	168
	713	Soap & toiletries	1,612	2,739	3,793
	714	Plastics	7	52	2
	715	Pest control products	12	4	18
	716	Other chemical products	106	51	72
	722	Tires	96	90	110
	723	Other rubber products	4	11	1
	724	Veneer & plywood	19	15	0
	725	Wood & cork products	86	35	60
	727	Textiles	90	45	3
	728	Apparel	345	501	68
	729	Carpets, blankets, other woven products	53	11	32
	732	Medical & optical instruments	23	27	0
	735	Household utensils	586	1,230	956
	811	Cements	10	107	0
	814	Building stone	30	79	5
	816	Bricks & blocks	3	226	416
	817	Tiles & building ceramics	4	4	27
	818	Glass & products (excluding bottles)	116	170	53
	819	Glass bottles	542	4	214
	821	Iron & steel basic products	292	381	441
	824	Other metal products	1	805	282
	825	Metal building parts	190	280	100
	911	Office equipment	3	4	12
	912	Communications equipment	41	30	32
	913	Lighting & electrical parts	69	95	419
	915	Road transport equipment	782	314	238
	916	Special purpose road vehicles	11	12	2
	917	Other transport equipment & parts	48	28	50
	921	Furniture	805	408	503
	923	Washing & drying machines	1	1	13
	924	Refrigerators & freezers	119	75	456
	925	Other household equipment	52	87	76
JAGNA, BOHOL					
	412	Salt			256
OTHER MUNICIPAL PORTS (BOHOL)					
		Minor flows		0	
	000	All other commodity		626	180
	234	Beer	68		
	412	Salt			280
	716	Other chemical products			10
	725	Wood & cork products		0	35
	821	Iron & steel basic products	40	236	151
	825	Metal building parts		15	2
	915	Road transport equipment	6	444	4

TABLE D. 1
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT OUTWARD DOMESTIC CARGO FLOWS 1991-1993

(Continued)

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
	916	Special purpose road vehicles	16	801	
KATAGBAKAN, LOON, BOHOL					
		Minor flows	2		
	234	Beer	1,762		
TALIBON CAUSEWAY					
		Minor flows			2
	000	All other commodity			89
	713	Soap & toiletries			56
	722	Tires			30
TUBIGON CAUSEWAY/PIER, BOHOL					
		Minor flows		9	
	000	All other commodity		128	
	916	Special purpose road vehicles		495	
UBAY CAUSEWAY, BOHOL					
		Minor flows	3	0	
	000	All other commodity	1,372	8	
	145	Tobacco		18	
	412	Salt		100	
	816	Bricks & blocks		148	
	819	Glass bottles		30	
	821	Iron & steel basic products	420	189	
	916	Special purpose road vehicles	40		
OTHER OTHER NATIONAL PORTS (CAGAYAN)					
		Minor flows	2	37	5
	000	All other commodity	25	167	81
	221	Flour & related products from grain	1	27	9
	224	Sugar	1	29	18
	226	Other food preparations		37	10
	227	Animal Feeds		2	52
	233	Mineral water & aerated beverages	178	19	39
	234	Beer	48	21	21
	235	Other alcoholic beverages	11	32	45
	311	Unprocessed wood (excluding firewood)			24
	511	Gasoline & aviation fuel		19	
	513	Gas oils	20		130
	617	Phosphatic fertilizers		38	
	724	Veneer & plywood	7		18
	725	Wood & cork products	28		
	811	Cements	28	98	
	815	Asphalt and similar material			35
	821	Iron & steel basic products	13		18
	915	Road transport equipment		10	
OTHER MUNICIPAL PORTS (CAGAYAN)					
		Minor flows	14	51	25
	000	All other commodity	2	43	1,040
	132	Milled rice	545	59	30
	221	Flour & related products from grain	0	56	30
	224	Sugar	4	27	24
	226	Other food preparations	7	57	21
	227	Animal Feeds		17	21
	234	Beer	2	85	33
	235	Other alcoholic beverages	13	55	85
	311	Unprocessed wood (excluding firewood)		65	
	513	Gas oils		24	
	522	Lubricants	152	40	1

TABLE D. 1

MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT OUTWARD

DOMESTIC CARGO FLOWS 1991-1993

(Continued)

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
	523	Other products	1	10	3
	617	Phosphatic fertilizers		76	
	711	Paints, inks & coloring agents		32	
	724	Veneer & plywood		56	13
	727	Textiles		14	
	735	Household utensils		25	
	811	Cements		1,545	6
	816	Bricks & blocks		58	
	818	Glass & products (excluding bottles)		11	
	821	Iron & steel basic products	12	170	8
	915	Road transport equipment	10	3	1
OTHER PRIVATE PORTS (CAGAYAN)					
		Minor flows	10		
	134	Corn grits & meal	10		
	221	Flour & related products from grain	11		
PASACAO, CAMARINES SUR					
		Minor flows			9
	000	All other commodity			16
	811	Cements			18
OTHER OTHER NATIONAL PORTS (CAPIZ)					
		Minor flows			5
	000	All other commodity			63
	227	Animal Feeds			45
CULASI, ROXAS CITY, CAPIZ					
		Minor flows	59	41	82
	000	All other commodity	398	1,729	8,970
	121	Fish, fresh or chilled	55		
	122	Fish, preserved	16		
	132	Milled rice	1		17
	133	Unmilled maize	14		
	141	Potatoes	10	8	13
	146	Fieldcrop legumes	0	0	34
	152	Onions & shallots	14	20	29
	154	Leafy vegetables	2	10	10
	155	Other vegetables	1	22	37
	163	Temperate fruits	0	5	16
	167	Other fresh fruit	0		12
	191	Cut flowers	20		
	192	Other oil seeds	20	15	2
	197	Other agricultural commodities (n.e.s.)			18
	212	Dairy products	702	60	3,880
	221	Flour & related products from grain	320	563	929
	226	Other food preparations	546	234	251
	227	Animal Feeds	397	701	1,338
	231	Fruit & vegetable juices	169	2	2
	232	Processed coffee, cocoa & tea	545	55	6
	233	Mineral water & aerated beverages			16
	234	Beer	1,296	217	2,525
	235	Other alcoholic beverages	925	855	2,785
	250	Tobacco products	959	68	1,844
	311	Unprocessed wood (excluding firewood)		3	57
	417	Coal, lignite, bitumen, peat, shale			45
	419	Other non-metallic minerals			11
	511	Gasoline & aviation fuel	43		
	512	Kerosene	8		16

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TABLE D. 1
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT OUTWARD DOMESTIC CARGO FLOWS 1991-1993

(Continued)

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
	513	Gas oils		33	286
	522	Lubricants	301	82	712
	523	Other products		27	77
	612	Inorganic chemicals	16	3	15
	711	Paints, inks & coloring agents	5	10	36
	712	Vitamins & pharmaceuticals	90	375	175
	713	Soap & toiletries	9	24	9
	714	Plastics	14	5	39
	722	Tires	9	21	102
	723	Other rubber products	9	0	14
	724	Veneer & plywood	24	12	21
	725	Wood & cork products	245	288	471
	727	Textiles	4	11	38
	728	Apparel	58	16	129
	729	Carpets, blankets, other woven products	31	3	39
	731	Trunks, suitcases & handbags	0		12
	733	Meters & measuring instruments	44		
	735	Household utensils	255	270	726
	811	Cements		42	36
	814	Building stone	1	2	12
	821	Iron & steel basic products	786	360	751
	823	Aluminum products	8	1	10
	825	Metal building parts	38	23	121
	913	Lighting & electrical parts	34	4	35
	915	Road transport equipment	430	989	634
	916	Special purpose road vehicles	19		12
	917	Other transport equipment & parts	1	6	24
	921	Furniture	36	8	93
	924	Refrigerators & freezers	10	18	18
	925	Other household equipment	5	2	104
OTHER MUNICIPAL PORTS (CAPIZ)					
		Minor flows	17		
	716	Other chemical products	10		
	915	Road transport equipment	12		
	916	Special purpose road vehicles	13		
BANICA, ROXAS CITY					
		Minor flows	0		41
	000	All other commodity	0		344
	221	Flour & related products from grain			19
	227	Animal Feeds			12
	234	Beer			72
	725	Wood & cork products			20
	817	Tiles & building ceramics	146		
	818	Glass & products (excluding bottles)			16
	821	Iron & steel basic products			56
	915	Road transport equipment	24		32
SAN MIGUEL CORPORATION					
		Minor flows			15
	000	All other commodity			111
	212	Dairy products			54
	227	Animal Feeds			10
	234	Beer			36
	735	Household utensils			13
	915	Road transport equipment			16
VIRAC, CATANDUANES					

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TABLE D. 1
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT OUTWARD
DOMESTIC CARGO FLOWS 1991-1993

(Continued)

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
		Minor flows	6	30	29
	000	All other commodity	330	397	164
	125	Other seafood	29	29	34
	132	Milled rice	777		
	142	Peas & beans	67		
	221	Flour & related products from grain	111	82	40
	224	Sugar		3	27
	234	Beer		65	
	235	Other alcoholic beverages	54	80	235
	412	Salt	167	263	662
	722	Tires		2	11
	724	Veneer & plywood	46	20	4
	735	Household utensils	8	11	
	811	Cements		172	
	821	Iron & steel basic products	143	307	42
OTHER MUNICIPAL PORTS (CATANDUANES)					
		Minor flows	13	25	5
	000	All other commodity	3	36	1
	311	Unprocessed wood (excluding firewood)		1,227	
	821	Iron & steel basic products	30		
	916	Special purpose road vehicles		30	
OTHER MUNICIPAL PORTS (CAVITE)					
		Minor flows	3		
	000	All other commodity		26	
	916	Special purpose road vehicles	20		
CORREGIDOR (SOUTH & NORTH PIER/WHARF) CORREGIDOR ISLAND,					
		Minor flows	21	26	
	000	All other commodity	4	245	8
	197	Other agricultural commodities (n.e.s.)	23	6	53
	311	Unprocessed wood (excluding firewood)		123	12
	413	Sands & gravel	133	260	54
	416	Building stone		22	
	419	Other non-metallic minerals		11	119
	811	Cements	60	190	4
	816	Bricks & blocks		129	16
	821	Iron & steel basic products		88	2
	915	Road transport equipment		156	
CEBU CITY					
		Minor flows	11	14	3
	000	All other commodity	297,578	131,350	165,494
	113	Swine	19	11	63
	114	Poultry	308	113	58
	115	Other live animals	6	7	11
	121	Fish, fresh or chilled	24	26	27
	122	Fish, preserved	61	33	35
	123	Frozen shellfish	56	13	46
	124	Seaweed	546	146	281
	125	Other seafood	4,623	4,199	1,975
	132	Milled rice	31,276	46,286	15,170
	133	Unmilled maize	619	399	200
	134	Corn grits & meal	264	817	189
	135	Other unmilled grains	162	90	53
	141	Potatoes	650	678	367
	142	Peas & beans	1,683	1,726	811
	143	Root crops	15	11	4

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TABLE D. 1
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT OUTWARD DOMESTIC CARGO FLOWS 1991-1993

(Continued)

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
	145	Tobacco	46	0	
	146	Fieldcrop legumes	1,125	1,736	978
	151	Tomatoes	66	24	3
	152	Onions & shallots	4,170	4,828	4,576
	153	Root vegetables	99	330	257
	154	Leafy vegetables	5	18	44
	155	Other vegetables	620	708	654
	161	Citrus fruit	382	476	755
	163	Temperate fruits	803	835	1,049
	164	Pineapples	19		
	165	Mangoes, avocados, guavas, mangosteen	1,366	1,273	1,389
	166	Melons & papaya	111	92	83
	167	Other fresh fruit	134	222	273
	171	Coconuts	5	31	28
	173	Cashew nuts	1	14	0
	174	Coffee beans (untreated)	379	221	0
	175	Cocoa beans	104	12	8
	177	Natural rubber & latex	126	152	85
	181	Abaca	1		45
	183	Other processed fibers	58	114	30
	191	Cut flowers	153	162	147
	192	Other oil seeds	704	851	2,465
	193	Other spices	35	79	7
	194	Bamboo	12	17	0
	195	Rattan	149	51	102
	196	Other vegetable raw materials	12	2	
	197	Other agricultural commodities (n.e.s.)	372	782	963
	211	Meat	1,444	1,412	1,040
	212	Dairy products	10,843	13,945	11,697
	213	Eggs	859	1,386	1,105
	214	Hides & skins	2	0	23
	216	Other animal products	250	245	291
	221	Flour & related products from grain	14,866	17,412	17,032
	222	Other field crop & vegetable meal, etc.	488	502	330
	223	Preserved fruits & products	439	664	310
	224	Sugar	324	436	479
	225	Molasses & related products	230	258	140
	226	Other food preparations	17,317	21,898	15,310
	227	Animal Feeds	22,773	22,119	12,376
	231	Fruit & vegetable juices	953	841	582
	232	Processed coffee, cocoa & tea	1,953	2,902	2,528
	233	Mineral water & aerated beverages	1,477	2,578	2,065
	234	Beer	14,016	12,331	3,272
	235	Other alcoholic beverages	14,112	11,740	12,880
	236	Coconut oil	23		5
	237	Other vegetable oils	406	623	415
	241	Cotton, carded or combed	25	1	
	245	Vegetable fibers	24	16	0
	246	By products & residue of cotton	209	152	447
	250	Tobacco products	9,813	11,187	5,417
	311	Unprocessed wood (excluding firewood)	229	1,572	171
	312	Firewood (fuelwood)			27
	313	Wood charcoal	58	52	49
	314	Wood chips & scrap	1	0	41
	316	Wood pulp	248	182	38

TABLE D. 1
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT OUTWARD
DOMESTIC CARGO FLOWS 1991-1993

(Continued)

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
	322	Natural gums	397	366	94
	411	Natural fertilizers		43	0
	412	Salt	7,941	3,741	1,076
	413	Sands & gravel	514	593	465
	414	Marble	672	392	1,137
	415	Limestone & dolomite	1,626	617	2,100
	416	Building stone	282	170	75
	417	Coal, lignite, bitumen, peat, shale	954	499	326
	419	Other non-metallic minerals	802	528	543
	421	Ferrous ores & concentrates		25	
	422	Copper ores & concentrates	18	19	72
	423	Other metallic ores & concentrates	394	344	276
	424	Metal waste and scrap	129	492	382
	511	Gasoline & aviation fuel	309	187	227
	512	Kerosene	54	38	24
	513	Gas oils	1,726	1,833	353
	522	Lubricants	11,141	9,451	7,524
	523	Other products	665	1,168	1,035
	611	Organic chemicals	1,128	865	666
	612	Inorganic chemicals	6,758	5,570	4,653
	614	Synthetic rubber	27	40	44
	616	Other nitrogenous fertilizers	58	90	41
	617	Phosphatic fertilizers		3	16
	618	Other fertilizers	603	417	1,138
	619	Petrochemicals	4,667	6,759	5,759
	711	Paints, inks & coloring agents	2,667	3,885	2,679
	712	Vitamins & pharmaceuticals	5,513	6,026	3,991
	713	Soap & toiletries	20,145	22,674	17,497
	714	Plastics	958	625	526
	715	Pest control products	1,016	1,064	946
	716	Other chemical products	4,250	4,991	3,948
	721	Leather & products	310	209	132
	722	Tires	5,893	5,875	6,713
	723	Other rubber products	1,612	1,388	1,713
	724	Veneer & plywood	1,153	1,342	560
	725	Wood & cork products	2,977	2,870	3,354
	727	Textiles	6,923	7,017	5,713
	728	Apparel	6,643	9,667	13,621
	729	Carpets, blankets, other woven products	1,018	658	1,263
	731	Trunks, suitcases & handbags	221	139	297
	732	Medical & optical instruments	348	113	134
	733	Meters & measuring instruments	73	65	88
	734	Photographic equipment & materials	335	237	217
	735	Household utensils	24,713	25,660	503,596
	811	Cements	1,208	1,200	949
	813	Limes	343	312	95
	814	Building stone	1,529	1,523	2,145
	815	Asphalt and similar material	126	49	18
	816	Bricks & blocks	591	1,098	1,361
	817	Tiles & building ceramics	1,278	1,645	1,384
	818	Glass & products (excluding bottles)	3,983	3,569	3,056
	819	Glass bottles	32,638	18,801	10,158
	821	Iron & steel basic products	28,856	37,021	28,989
	822	Copper products	105	91	33
	823	Aluminum products	266	1,329	212

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TABLE D. 1
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT OUTWARD DOMESTIC CARGO FLOWS 1991-1993

(Continued)

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
	824	Other metal products	3,827	1,497	2,19
	825	Metal building parts	12,094	9,414	8,76
	826	Building equipment	351	606	24
	911	Office equipment	402	455	16
	912	Communications equipment	1,304	1,103	758
	913	Lighting & electrical parts	10,320	12,065	10,028
	914	Medical diagnostic equuipment	5	13	
	915	Road transport equipment	32,833	28,280	22,295
	916	Special purpose road vehicles	227	265	165
	917	Other transport equipment & parts	548	667	1,180
	918	Other equipment & parts	75	61	84
	921	Furniture	2,043	1,867	1,731
	922	Lamps	265	205	569
	923	Washing & drying machines	76	61	27
	924	Refrigerators & freezers	881	882	1,104
	925	Other household equipment	2,479	2,692	2,890
DANAO CITY					
		Minor flows	0	0	
	735	Household utensils	12	12	
	915	Road transport equipment	25		
	916	Special purpose road vehicles	100		
TOLEDO CITY, CEBU					
		Minor flows	12	10	3
	000	All other commodity	11	30	
	227	Animal Feeds		1,150	
	522	Lubricants	180		
	615	Urea	400		
	618	Other fertilizers	475	3,037	
	716	Other chemical products	21	3	
	729	Carpets, blankets, other woven products	6	12	
	735	Household utensils	42	101	
	817	Tiles & building ceramics	15		
	915	Road transport equipment	0	19	
OTHER MUNICIPAL PORTS (CEBU)					
		Minor flows	8		
	000	All other commodity	315		
	915	Road transport equipment	203		
MANDAUE, MANDAUE CITY					
		Minor flows		13	0
	000	All other commodity		76	3
	221	Flour & related products from grain		724	795
	234	Beer			630
	725	Wood & cork products	15		9
	735	Household utensils	1,460		2
	818	Glass & products (excluding bottles)	3,600		1,758
	819	Glass bottles			464
	821	Iron & steel basic products		10	
ATLAS CONSOLIDATED MINING AND DEVELOPMENT CORP. (A C M D C					
		Minor flows	7		
	000	All other commodity	17		
CALTEX PHILIPPINES INCORPORATED, LAPU-LAPU CITY					
	522	Lubricants	500		
PILIPINAS SHELL PETROLEUM CORPORATION SHELL ISLAND, MACTA					
	522	Lubricants	319		620
SAN MIGUEL RECLAMATION QUANO RECLAMATION					

TABLE D. 1
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT OUTWARD DOMESTIC CARGO FLOWS 1991-1993

(Continued)

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
	000	All other commodity		679	10
	146	Fieldcrop legumes		1,201	
	221	Flour & related products from grain		581	
	234	Beer	286	128	
	612	Inorganic chemicals			40
	735	Household utensils	438	532	
	818	Glass & products (excluding bottles)	1,800	2,118	
	819	Glass bottles	4,805	152	11,758
	821	Iron & steel basic products	240		
	825	Metal building parts	60		
	915	Road transport equipment			22
OTHER NATIONAL PORTS (DAVAO DEL NORTE)					
		Minor flows			7
	000	All other commodity			26
	821	Iron & steel basic products			39
OTHER PRIVATE PORTS (DAVAO DEL NORTE)					
	817	Tiles & building ceramics	303		
DAWIS, DIGOS, DAVAO DEL SUR					
		Minor flows		16	77
	000	All other commodity		2,193	6,103
	125	Other seafood		17	233
	132	Milled rice			52
	142	Peas & beans		10	26
	146	Fieldcrop legumes			93
	152	Onions & shallots			98
	155	Other vegetables			14
	162	Bananas		36	
	163	Temperate fruits			45
	164	Pineapples			110
	183	Other processed fibers			72
	211	Meat		10	28
	212	Dairy products		191	107
	221	Flour & related products from grain		92	634
	223	Preserved fruits & products		36	4
	224	Sugar		18	
	225	Molasses & related products			18
	226	Other food preparations		171	781
	227	Animal Feeds		21	117
	231	Fruit & vegetable juices			28
	232	Processed coffee, cocoa & tea		20	19
	234	Beer		80	
	235	Other alcoholic beverages		36	380
	246	By products & residue of cotton		18	
	250	Tobacco products			165
	412	Salt			1,218
	419	Other non-metallic minerals		18	
	513	Gas oils		44	0
	522	Lubricants		2	30
	523	Other products		18	11
	612	Inorganic chemicals		7	17
	619	Petrochemicals			30
	711	Paints, inks & coloring agents		3	43
	712	Vitamins & pharmaceuticals		37	124
	713	Soap & toiletries		313	273
	722	Tires		20	80

TABLE D. 1
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT OUTWARD
DOMESTIC CARGO FLOWS 1991-1993

(Continued)

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
	723	Other rubber products			11
	725	Wood & cork products		36	9
	727	Textiles		18	265
	728	Apparel		74	90
	729	Carpets, blankets, other woven products		10	29
	733	Meters & measuring instruments			340
	735	Household utensils		148	562
	813	Limes		35	0
	814	Building stone		33	110
	816	Bricks & blocks			36
	819	Glass bottles			210
	821	Iron & steel basic products		27	2,255
	825	Metal building parts		93	172
	826	Building equipment			18
	913	Lighting & electrical parts		42	30
	915	Road transport equipment		257	513
	917	Other transport equipment & parts			28
	918	Other equipment & parts		1	28
	921	Furniture		1	101
	924	Refrigerators & freezers		8	17
	925	Other household equipment		110	5
SASA GOVERNMENT WHARF SASA, DAVAO CITY					
		Minor flows	25	45	34
	000	All other commodity	40,470	89,786	89,248
	111	Cattle & Carabao	1		24
	113	Swine	13	12	36
	114	Poultry	1	28	30
	121	Fish, fresh or chilled	0	20	1
	122	Fish, preserved	19	42	176
	123	Frozen shellfish		18	18
	125	Other seafood	2,061	2,933	3,566
	131	Palay	0	25	
	132	Milled rice	104	2,228	627
	133	Unmilled maize	32	16	23
	135	Other unmilled grains	10	43	34
	141	Potatoes	23	8	1
	142	Peas & beans	166	214	190
	145	Tobacco	263	147	176
	146	Fieldcrop legumes	587	873	628
	152	Onions & shallots	208	1,026	2,615
	155	Other vegetables	68	134	305
	161	Citrus fruit	13	30	36
	162	Bananas	320	1,150	910
	163	Temperate fruits	131	198	161
	164	Pineapples	68	51	72
	167	Other fresh fruit	6	20	369
	171	Coconuts	4	71	29
	172	Copra			18
	183	Other processed fibers		36	19
	191	Cut flowers	19	0	6
	192	Other oil seeds	445	613	551
	197	Other agricultural commodities (n.e.s.)	60	32	187
	211	Meat	607	912	655
	212	Dairy products	5,905	6,945	4,585
	214	Hides & skins	1	26	21

TABLE D. 1
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT OUTWARD
DOMESTIC CARGO FLOWS 1991-1993

(Continued)

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
	216	Other animal products	15	11	15
	221	Flour & related products from grain	6,279	8,057	9,488
	222	Other field crop & vegetable meal, etc.	197	170	257
	223	Preserved fruits & products	329	406	303
	224	Sugar	204	128	90
	225	Molasses & related products	28	39	26
	226	Other food preparations	7,136	8,290	7,553
	227	Animal Feeds	2,932	4,413	2,816
	231	Fruit & vegetable juices	490	506	373
	232	Processed coffee, cocoa & tea	1,255	909	804
	233	Mineral water & aerated beverages	1,384	1,434	789
	234	Beer	3,585	2,325	156
	235	Other alcoholic beverages	8,104	8,386	5,475
	237	Other vegetable oils		37	54
	246	By products & residue of cotton	597	534	117
	250	Tobacco products	5,505	9,233	3,200
	311	Unprocessed wood (excluding firewood)	27	60	73
	316	Wood pulp		18	
	322	Natural gums	30	23	1
	411	Natural fertilizers		27	18
	412	Salt	7,694	6,356	1,004
	413	Sands & gravel	458	240	145
	414	Marble	247	214	113
	415	Limestone & dolomite	92	240	97
	416	Building stone	23	37	1
	417	Coal, lignite, bitumen, peat, shale	3	257	14
	419	Other non-metallic minerals	145	308	832
	423	Other metallic ores & concentrates	25		
	424	Metal waste and scrap	24	54	6
	511	Gasoline & aviation fuel	51	132	2
	513	Gas oils	517	393	119
	522	Lubricants	3,896	3,827	1,850
	523	Other products	100	688	197
	611	Organic chemicals	64	150	171
	612	Inorganic chemicals	592	1,139	842
	616	Other nitrogenous fertilizers	12	1	2
	618	Other fertilizers	298	1,384	163
	619	Petrochemicals	549	484	564
	711	Paints, inks & coloring agents	566	603	429
	712	Vitamins & pharmaceuticals	2,503	3,260	1,889
	713	Soap & toiletries	9,403	11,434	10,210
	714	Plastics	167	175	223
	715	Pest control products	317	325	190
	716	Other chemical products	954	1,269	2,442
	721	Leather & products	16	15	63
	722	Tires	2,642	3,575	2,577
	723	Other rubber products	474	641	628
	724	Veneer & plywood	124	303	366
	725	Wood & cork products	7,482	8,165	13,003
	727	Textiles	819	2,311	3,384
	728	Apparel	1,107	2,649	1,008
	729	Carpets, blankets, other woven products	675	596	1,040
	731	Trunks, suitcases & handbags	48	214	14
	732	Medical & optical instruments	54	185	37
	733	Meters & measuring instruments	15	9	18

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TABLE D. 1
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT OUTWARD DOMESTIC CARGO FLOWS 1991-1993

(Continued)

DESTINATION		COMMODITY	CARGO (M.T.) 1991	1992	1993
	734	Photographic equipment & materials	21	47	19
	735	Household utensils	7,517	10,877	11,373
	811	Cements	321	843	760
	813	Limes	293	179	179
	814	Building stone	763	1,126	381
	816	Bricks & blocks	137	315	404
	817	Tiles & building ceramics	272	491	868
	818	Glass & products (excluding bottles)	417	496	422
	819	Glass bottles	1,451	1,095	985
	821	Iron & steel basic products	10,634	26,346	31,727
	822	Copper products	2	29	53
	823	Aluminum products	54	159	207
	824	Other metal products	322	213	16
	825	Metal building parts	1,288	1,924	2,171
	826	Building equipment	86	260	413
	911	Office equipment	87	61	65
	912	Communications equipment	113	718	412
	913	Lighting & electrical parts	2,261	3,076	3,767
	915	Road transport equipment	6,528	9,007	7,503
	916	Special purpose road vehicles	38	169	87
	917	Other transport equipment & parts	112	197	238
	918	Other equipment & parts	45	19	4
	921	Furniture	348	1,162	1,392
	922	Lamps	45	85	193
	923	Washing & drying machines	10	63	15
	924	Refrigerators & freezers	776	623	974
	925	Other household equipment	533	2,180	573
STA. ANA PIER, STA. ANA DISTRICT DAVAO CITY					
		Minor flows		20	
	000	All other commodity		357	
	227	Animal Feeds		10	
	234	Beer		12	
	713	Soap & toiletries		39	
	725	Wood & cork products		72	
	913	Lighting & electrical parts		51	
	925	Other household equipment		50	
MALALAG CAUSEWAY/WHARF MALALAG, DAVAO DEL SUR					
		Minor flows			1
	000	All other commodity			802
	311	Unprocessed wood (excluding firewood)			10
	725	Wood & cork products			16
PILIPINAS SHELL PETROLEUM CORPORATION, SASA, DAVAO CITY					
	522	Lubricants			100
SHELL GITTY, SASA, DAVAO					
	513	Gas oils			438
TEFASCO, ILANG TIBUNGKO, DAVAO CITY					
		Minor flows		12	
	000	All other commodity		1,985	
	915	Road transport equipment		13	
	916	Special purpose road vehicles		125	
BAGANGA (LAMBAJON) CAUSEWAY/PIER, DAVAO ORIENTAL					
		Minor flows	1		
	821	Iron & steel basic products	15		
NORTH CAMARINES LUMBER CO. INC., NORCAMCO PIER, BAGANGA,					
	821	Iron & steel basic products		100	

TABLE D. 1
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT OUTWARD
DOMESTIC CARGO FLOWS 1991-1993

(Continued)

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
OTHER MUNICIPAL PORTS (EASTERN SAMAR)					
		Minor flows	13	7	
	811	Cements	199	199	
	915	Road transport equipment	12	4	
	916	Special purpose road vehicles	58		
GUIUAN CAUSEWAY/WHARF, EASTERN SAMAR					
	811	Cements			12
ILOILO,ILOILO CITY					
		Minor flows	41	42	29
	000	All other commodity	13,933	20,664	28,498
	123	Frozen shellfish	11		105
	125	Other seafood	468	1,439	552
	132	Milled rice	834	1,069	170
	133	Unmilled maize	53	515	153
	135	Other unmilled grains	112	342	145
	141	Potatoes	45	50	129
	142	Peas & beans	254	163	110
	145	Tobacco	94	107	4
	146	Fieldcrop legumes	799	777	2,103
	152	Onions & shallots	327	423	642
	153	Root vegetables	8	12	24
	154	Leafy vegetables	12	38	95
	155	Other vegetables	37	59	68
	161	Citrus fruit	42	23	64
	163	Temperate fruits	92	41	146
	167	Other fresh fruit	14	13	29
	192	Other oil seeds	1	354	132
	193	Other spices	0	3	50
	194	Bamboo	1		10
	195	Rattan		1	10
	197	Other agricultural commodities (n.e.s.)	16	23	7
	211	Meat	272	630	280
	212	Dairy products	7,039	7,119	6,726
	213	Eggs	17	67	186
	221	Flour & related products from grain	3,763	7,090	9,414
	222	Other field crop & vegetable meal, etc.	137	74	74
	223	Preserved fruits & products	690	574	253
	224	Sugar	364	1	108
	225	Molasses & related products	1	486	285
	226	Other food preparations	5,603	7,717	5,009
	227	Animal Feeds	2,417	2,467	2,612
	231	Fruit & vegetable juices	807	544	246
	232	Processed coffee, cocoa & tea	1,056	508	666
	233	Mineral water & aerated beverages	289	161	763
	234	Beer	11,845	5,790	7,037
	235	Other alcoholic beverages	11,708	12,430	15,047
	237	Other vegetable oils	46	89	1
	246	By products & residue of cotton	10	7	10
	250	Tobacco products	5,725	5,035	3,164
	311	Unprocessed wood (excluding firewood)	546	42	46
	411	Natural fertilizers			40
	412	Salt	14	85	1,133
	413	Sands & gravel	270	56	20
	414	Marble	78	42	42
	415	Limestone & dolomite			18

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TABLE D. 1
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT OUTWARD DOMESTIC CARGO FLOWS 1991-1993

(Continued)

DESTINATION		COMMODITY	CARGO (MT)		
			1991	1992	1993
	416	Building stone	38	2	
	417	Coal, lignite, bitumen, peat, shale	14	1	279
	419	Other non-metallic minerals	58	78	18
	424	Metal waste and scrap	25	0	2
	511	Gasoline & aviation fuel		68	44
	513	Gas oils	65	67	44
	522	Lubricants	1,988	2,255	1,668
	523	Other products	56	500	803
	611	Organic chemicals	9	27	37
	612	Inorganic chemicals	120	880	262
	618	Other fertilizers	103	178	117
	619	Petrochemicals	127	189	643
	711	Paints, inks & coloring agents	60	128	101
	712	Vitamins & pharmaceuticals	1,397	1,104	1,400
	713	Soap & toiletries	4,978	7,859	3,969
	714	Plastics	50	88	124
	715	Pest control products	13	72	9
	716	Other chemical products	274	424	455
	722	Tires	902	1,278	960
	723	Other rubber products	177	204	233
	724	Veneer & plywood	76	85	74
	725	Wood & cork products	875	748	439
	727	Textiles	697	836	1,020
	728	Apparel	2,862	4,567	5,575
	729	Carpets, blankets, other woven products	441	246	361
	731	Trunks, suitcases & handbags	178	5	24
	732	Medical & optical instruments	19	23	4
	733	Meters & measuring instruments	0	2	20
	734	Photographic equipment & materials	49	59	38
	735	Household utensils	2,982	4,019	5,358
	811	Cements	26	183	8
	812	Cement clinkers			19
	813	Limes	16		
	814	Building stone	185	216	154
	815	Asphalt and similar material			105
	816	Bricks & blocks	116	154	290
	817	Tiles & building ceramics	380	121	34
	818	Glass & products (excluding bottles)	80	608	127
	819	Glass bottles	318	212	662
	821	Iron & steel basic products	5,968	7,144	6,939
	823	Aluminum products	4	2	37
	824	Other metal products	0	1	11
	825	Metal building parts	1,015	530	625
	826	Building equipment	92	87	57
	911	Office equipment	11	28	23
	912	Communications equipment	149	177	65
	913	Lighting & electrical parts	1,001	668	1,611
	915	Road transport equipment	3,003	2,721	2,318
	916	Special purpose road vehicles	101	82	
	917	Other transport equipment & parts	76	73	100
	918	Other equipment & parts	23	13	0
	921	Furniture	516	576	661
	922	Lamps	3	20	3
	923	Washing & drying machines	10	48	36
	924	Refrigerators & freezers	261	373	801

TABLE D. 1
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT OUTWARD
DOMESTIC CARGO FLOWS 1991-1993

(Continued)

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
	925	Other household equipment	420	216	817
ESTANCIA CAUSEWAY/PIER ESTANCIA, ILOILO					
		Minor flows	30	61	37
	000	All other commodity	10	138	29
	152	Onions & shallots	9	23	12
	221	Flour & related products from grain	1	10	
	226	Other food preparations		16	2
	227	Animal Feeds		15	
	311	Unprocessed wood (excluding firewood)	17		
	725	Wood & cork products	20	19	10
	727	Textiles	2	158	1
	728	Apparel	3	24	9
	735	Household utensils	12	76	71
	821	Iron & steel basic products	60	81	11
	915	Road transport equipment	12	15	15
GUIMARAS BULK SUGAR INSTALLATION (BULK), GUIMARAS					
		Minor flows	3		
	612	Inorganic chemicals	14		
	821	Iron & steel basic products	45		
SAN FERNANDO, LA UNION					
		Minor flows	11		
	000	All other commodity	1		46
	412	Salt			1,000
	417	Coal, lignite, bitumen, peat, shale	2,000		
	811	Cements	26		27
	821	Iron & steel basic products	42		3
	915	Road transport equipment	0	40	31
AG & P, PORO, SAN FERNANDO, LA UNION					
	618	Other fertilizers		1,100	20
ILIGAN CITY					
		Minor flows	38	49	28
	000	All other commodity	5,322	12,151	18,537
	125	Other seafood	139	282	33
	132	Milled rice	447	2,441	203
	133	Unmilled maize	45	22	
	141	Potatoes	9	14	6
	142	Peas & beans	3	7	12
	146	Fieldcrop legumes		158	18
	152	Onions & shallots	131	341	506
	155	Other vegetables	15	29	38
	163	Temperate fruits	56	64	58
	181	Abaca	137		36
	191	Cut flowers	24	0	1
	192	Other oil seeds	74	195	155
	197	Other agricultural commodities (n.e.s.)	28		
	212	Dairy products	164	767	306
	221	Flour & related products from grain	428	318	801
	222	Other field crop & vegetable meal, etc.	2	23	22
	224	Sugar	30	1	9
	226	Other food preparations	469	580	762
	227	Animal Feeds	201	141	226
	231	Fruit & vegetable juices	31	54	19
	232	Processed coffee, cocoa & tea	71	48	5
	234	Beer	1,981	3,270	
	235	Other alcoholic beverages	545	1,686	1,534

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TABLE D. 1
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT OUTWARD DOMESTIC CARGO FLOWS 1991-1993

(Continued)

DESTINATION		COMMODITY	CARGO (MT)		
			1991	1992	1993
	246	By products & residue of cotton	6	14	0
	250	Tobacco products	1,549	1,414	1,199
	311	Unprocessed wood (excluding firewood)	2	1	10
	313	Wood charcoal		13	
	316	Wood pulp	3	90	
	412	Salt	1,290	1,043	608
	413	Sands & gravel	298	176	34
	414	Marble	131	79	137
	415	Limestone & dolomite	17	72	
	416	Building stone	17		
	417	Coal, lignite, bitumen, peat, shale	39	12	24
	419	Other non-metallic minerals	48	215	64
	424	Metal waste and scrap	3,826	1	
	511	Gasoline & aviation fuel	0	0	18
	513	Gas oils	76	45	39
	522	Lubricants	918	889	995
	523	Other products	0	26	60
	611	Organic chemicals	41	8	4
	612	Inorganic chemicals	672	771	573
	619	Petrochemicals	2	98	2
	711	Paints, inks & coloring agents	73	179	134
	712	Vitamins & pharmaceuticals	239	300	407
	713	Soap & toiletries	232	242	143
	714	Plastics	3	25	71
	715	Pest control products	16	1	80
	716	Other chemical products	64	192	176
	722	Tires	315	179	145
	723	Other rubber products	47	347	73
	724	Veneer & plywood	58	29	108
	725	Wood & cork products	20	136	49
	727	Textiles	241	215	111
	728	Apparel	309	221	223
	729	Carpets, blankets, other woven products	88	137	305
	731	Trunks, suitcases & handbags	18	15	6
	734	Photographic equipment & materials	9	5	19
	735	Household utensils	1,650	1,872	1,651
	811	Cements	69	914	47
	814	Building stone	49	41	49
	816	Bricks & blocks	84	76	52
	817	Tiles & building ceramics	22	30	4
	818	Glass & products (excluding bottles)	11	20	72
	821	Iron & steel basic products	4,611	3,603	6,714
	823	Aluminum products	4	7	19
	824	Other metal products	3	18	0
	825	Metal building parts	1,840	2,204	2,840
	826	Building equipment	15	2	1
	911	Office equipment	11	3	5
	912	Communications equipment	21	23	11
	913	Lighting & electrical parts	304	244	267
	915	Road transport equipment	952	1,806	1,208
	916	Special purpose road vehicles		20	16
	917	Other transport equipment & parts	34	72	59
	921	Furniture	84	65	57
	924	Refrigerators & freezers	43	48	137
	925	Other household equipment	7	10	18

TABLE D. 1
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT OUTWARD
DOMESTIC CARGO FLOWS 1991-1993

(Continued)

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
OTHER MUNICIPAL PORTS					
		Minor flows			2
TUBOD CAUSEWAY/PIER TUBOD, LANAO DEL NORTE					
	417	Coal, lignite, bitumen, peat, shale		599	
	821	Iron & steel basic products		120	
	916	Special purpose road vehicles		238	
OTHER PRIVATE PORTS LANAO DEL NORTE					
		Minor flows			10
	221	Flour & related products from grain			92
	226	Other food preparations			45
	235	Other alcoholic beverages			250
	713	Soap & toiletries			73
ILIGAN CEMENT CORPORATION, KIWALAN, ILIGAN CITY					
	000	All other commodity		32	45
MARIA CRISTINA CHEMICAL INDUSTRIES, AGUS, BURUUN, ILIGAN					
		Minor flows		2	
	000	All other commodity		24	
	235	Other alcoholic beverages		28	
	921	Furniture		16	
NATIONAL STEEL CORPORATION SUAREZ, ILIGAN CITY					
		Minor flows		18	13
	000	All other commodity		384	2,063
	413	Sands & gravel		16	
	522	Lubricants		100	22
	723	Other rubber products		0	258
	821	Iron & steel basic products	1,219	1,626	1,362
	825	Metal building parts	209	500	
	915	Road transport equipment	4		135
	921	Furniture	25		
	925	Other household equipment	50		27
PILLSBURY FLOUR MILLING CO. INC., KIWALAN, ILIGAN CITY					
		Minor flows			3
	000	All other commodity			12
	221	Flour & related products from grain			12
	226	Other food preparations			26
	235	Other alcoholic beverages			96
	713	Soap & toiletries			38
BACOLOD GRANDE (AMPAO) CAUSEWAY, LANAO DEL SUR					
	212	Dairy products	48		
	221	Flour & related products from grain	112		
	235	Other alcoholic beverages	36		
	250	Tobacco products	28		
TACLOBAN, LEYTE DEL NORTE					
		Minor flows	20	28	19
	000	All other commodity	12,574	32,579	28,061
	122	Fish, preserved	6	11	3
	123	Frozen shellfish	11	2	107
	125	Other seafood	875	1,175	642
	132	Milled rice	1,747	5,566	3,541
	133	Unmilled maize	41	29	32
	135	Other unmilled grains	1,428	540	206
	141	Potatoes	19	78	96
	142	Peas & beans	169	297	80
	145	Tobacco		48	66
	146	Fieldcrop legumes	14	923	15

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TABLE D. 1
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT OUTWARD DOMESTIC CARGO FLOWS 1991-1993

(Continued)

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
	151	Tomatoes	40	28	7
	152	Onions & shallots	338	1,249	1,010
	153	Root vegetables	3	26	26
	154	Leafy vegetables	12	56	94
	155	Other vegetables	41	88	89
	161	Citrus fruit	30	41	54
	163	Temperate fruits	28	93	103
	164	Pineapples	21	3	9
	165	Mangoes, avocados, guavas, mangosteen	132	164	79
	166	Melons & papaya	20	9	6
	167	Other fresh fruit	22	43	40
	175	Cocoa beans	5	24	4
	177	Natural rubber & latex	2	15	3
	191	Cut flowers		0	18
	193	Other spices	1	15	46
	194	Bamboo	19		
	197	Other agricultural commodities (n.e.s.)	16	10	21
	211	Meat	54	101	117
	212	Dairy products	7,370	10,137	7,192
	213	Eggs		30	1
	221	Flour & related products from grain	5,473	4,334	3,183
	222	Other field crop & vegetable meal, etc.	38	140	75
	223	Preserved fruits & products	11	30	24
	224	Sugar	30	37	1
	225	Molasses & related products		22	2
	226	Other food preparations	6,499	6,909	3,437
	227	Animal Feeds	524	90	193
	231	Fruit & vegetable juices	54	418	107
	232	Processed coffee, cocoa & tea	523	854	1,089
	233	Mineral water & aerated beverages	2,000	570	330
	234	Beer	1,050	12,145	5,342
	235	Other alcoholic beverages	5,544	7,905	6,576
	237	Other vegetable oils	18	25	18
	246	By products & residue of cotton		5	13
	250	Tobacco products	3,522	6,394	4,894
	311	Unprocessed wood (excluding firewood)	107		39
	313	Wood charcoal		600	1
	412	Salt	3,645	496	1,194
	413	Sands & gravel	14	35	3
	414	Marble	10	56	43
	415	Limestone & dolomite	34		
	416	Building stone	12	13	0
	417	Coal, lignite, bitumen, peat, shale	0	1	54
	511	Gasoline & aviation fuel	20	90	
	512	Kerosene	48		
	513	Gas oils	551	397	302
	522	Lubricants	4,105	3,947	3,855
	523	Other products	20	48	314
	611	Organic chemicals	45	209	96
	612	Inorganic chemicals	400	167	334
	618	Other fertilizers		11	0
	619	Petrochemicals		36	96
	711	Paints, inks & coloring agents	24	283	170
	712	Vitamins & pharmaceuticals	2,303	2,616	2,305
	713	Soap & toiletries	7,246	9,505	6,503

TABLE D. 1
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT OUTWARD
DOMESTIC CARGO FLOWS 1991-1993

(Continued)

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
	714	Plastics	68	27	1
	715	Pest control products	108	80	24
	716	Other chemical products	254	242	452
	722	Tires	159	474	371
	723	Other rubber products	49	57	88
	724	Veneer & plywood	285	414	60
	725	Wood & cork products	311	442	132
	727	Textiles	179	192	70
	728	Apparel	909	2,107	2,002
	729	Carpets, blankets, other woven products	158	341	88
	731	Trunks, suitcases & handbags	36	30	1,732
	732	Medical & optical instruments	28	7	70
	733	Meters & measuring instruments	3	19	45
	734	Photographic equipment & materials	10	11	11
	735	Household utensils	2,717	4,365	3,447
	811	Cements	8	449	133
	813	Limes	1	14	
	814	Building stone	39	190	33
	816	Bricks & blocks	5	132	195
	817	Tiles & building ceramics	14	55	47
	818	Glass & products (excluding bottles)	300	207	195
	819	Glass bottles	2,412	367	386
	821	Iron & steel basic products	2,173	3,419	2,565
	823	Aluminum products	12	44	19
	824	Other metal products	24	4	20
	825	Metal building parts	468	822	750
	826	Building equipment	20	81	3
	911	Office equipment	6	14	33
	912	Communications equipment	53	153	238
	913	Lighting & electrical parts	758	692	485
	915	Road transport equipment	1,554	1,513	1,658
	916	Special purpose road vehicles	32	10	70
	917	Other transport equipment & parts	49	66	32
	921	Furniture	212	275	679
	922	Lamps	7	21	44
	924	Refrigerators & freezers	235	785	1,281
	925	Other household equipment	541	616	151
PALOMPON, LEYTE					
		Minor flows	31	13	40
	000	All other commodity	41	121	294
	125	Other seafood	23	47	84
	221	Flour & related products from grain	6	2	13
	226	Other food preparations	16	10	28
	235	Other alcoholic beverages	21	8	18
	412	Salt	236	301	201
	414	Marble			20
	612	Inorganic chemicals		0	56
	619	Petrochemicals	11	1	
	713	Soap & toiletries			11
	716	Other chemical products	7	4	18
	727	Textiles	3	3	14
	729	Carpets, blankets, other woven products	28	15	8
	735	Household utensils	25	6	22
	813	Limes	16		
	816	Bricks & blocks		78	29

TABLE D. 1
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT OUTWARD DOMESTIC CARGO FLOWS 1991-1993

(Continued)

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
	819	Glass bottles			108
	821	Iron & steel basic products	5	71	96
	825	Metal building parts		5	23
	826	Building equipment		7	15
	912	Communications equipment	0	20	2
	915	Road transport equipment	1	25	16
	916	Special purpose road vehicles	10		13
	917	Other transport equipment & parts	26	3	0
OTHER MUNICIPAL PORTS (LEYTE)					
		Minor flows	11	48	25
	000	All other commodity	52	146	6
	423	Other metallic ores & concentrates		10	
	612	Inorganic chemicals	7	19	
	716	Other chemical products	46	129	
	732	Medical & optical instruments			25
	735	Household utensils		27	1
	816	Bricks & blocks	16	37	
	821	Iron & steel basic products	91	59	
	824	Other metal products	57		
	915	Road transport equipment	18	39	2
	916	Special purpose road vehicles	47		
BAYBAY CAUSEWAY/PIER, LEYTE DEL NORTE					
	226	Other food preparations		119	
ORMOC, ORMOC CITY CAUSEWAY/PIER LEYTE DEL NORTE					
		Minor flows	13	87	33
	000	All other commodity	2,322	1,403	1,614
	125	Other seafood	296	353	306
	132	Milled rice		24	
	141	Potatoes	21	15	16
	142	Peas & beans	15	41	2
	152	Onions & shallots	143	170	180
	155	Other vegetables	2	37	17
	161	Citrus fruit	1	19	
	197	Other agricultural commodities (n.e.s.)	11	12	18
	212	Dairy products	92	35	3
	221	Flour & related products from grain	126	666	281
	222	Other field crop & vegetable meal, etc.	7	25	5
	223	Preserved fruits & products	2	12	4
	224	Sugar	13	6	10
	226	Other food preparations	640	535	307
	227	Animal Feeds	18	131	74
	231	Fruit & vegetable juices	5	39	10
	232	Processed coffee, cocoa & tea	3	17	8
	233	Mineral water & aerated beverages		14	1
	234	Beer	1,830	294	
	235	Other alcoholic beverages	1	181	55
	250	Tobacco products	194	357	127
	412	Salt	606	718	487
	413	Sands & gravel	801	83	100
	414	Marble		46	2
	417	Coal, lignite, bitumen, peat, shale		22	
	419	Other non-metallic minerals	18	537	138
	513	Gas oils	56	7	
	522	Lubricants	61	40	0
	612	Inorganic chemicals	137	23	8

TABLE D. 1

MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT OUTWARD

DOMESTIC CARGO FLOWS 1991-1993

(Continued)

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
	616	Other nitrogenous fertilizers		25	
	618	Other fertilizers	115	1,128	96
	619	Petrochemicals	1	36	
	711	Paints, inks & coloring agents	25	46	12
	712	Vitamins & pharmaceuticals	31	35	42
	713	Soap & toiletries	52	101	65
	714	Plastics	4	66	21
	716	Other chemical products	29	65	663
	722	Tires	6	49	4
	723	Other rubber products	25	6	45
	724	Veneer & plywood		17	4
	725	Wood & cork products	0	22	7
	727	Textiles	34	142	13
	728	Apparel	77	110	112
	729	Carpets, blankets, other woven products	14	74	51
	735	Household utensils	62	225	120
	811	Cements	108	710	562
	813	Limes	9	62	
	814	Building stone		44	21
	819	Glass bottles	5	144	5
	821	Iron & steel basic products	441	250	978
	825	Metal building parts	35	198	19
	826	Building equipment		12	
	911	Office equipment	18		5
	913	Lighting & electrical parts	198	216	20
	915	Road transport equipment	117	187	1,290
	916	Special purpose road vehicles	15		
	917	Other transport equipment & parts	1	9	27
	921	Furniture	3	9	22
	924	Refrigerators & freezers	3	45	48
	925	Other household equipment	2	14	1
ORMOC SUGAR COMPANY INCORPORATED IPIL, ORMOC CITY					
		Minor flows	9		
	412	Salt	30		
PASAR, ISABEL, LEYTE					
		Minor flows	19	32	12
	000	All other commodity	201	817	2,644
	132	Milled rice		17	
	226	Other food preparations		69	
	235	Other alcoholic beverages		29	
	311	Unprocessed wood (excluding firewood)		33	
	413	Sands & gravel	40		
	414	Marble		40	
	419	Other non-metallic minerals		37	80
	522	Lubricants		64	1
	612	Inorganic chemicals	144	1	10
	615	Urea	13		
	619	Petrochemicals		34	
	711	Paints, inks & coloring agents	3	131	
	716	Other chemical products	20	176	53
	727	Textiles		18	19
	735	Household utensils	83	38	54
	811	Cements		24	
	816	Bricks & blocks	41	237	188
	817	Tiles & building ceramics	18	0	31

TABLE D. 1
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT OUTWARD DOMESTIC CARGO FLOWS 1991-1993

(Continued)

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
	821	Iron & steel basic products	106	581	261
	824	Other metal products		76	
	825	Metal building parts	15	75	86
	915	Road transport equipment	44	129	15
	916	Special purpose road vehicles		31	
	924	Refrigerators & freezers		11	
PETROPHIL CORPORATION					
		Minor flows	2		
PHILPHOS, ISABEL, LEYTE					
		Minor flows	35	0	22
	000	All other commodity	161	53	97
	216	Other animal products	11		
	227	Animal Feeds	50		
	412	Salt	12		
	513	Gas oils	20		
	612	Inorganic chemicals	6	3	13
	618	Other fertilizers	42		
	711	Paints, inks & coloring agents	15		
	712	Vitamins & pharmaceuticals		17	
	713	Soap & toiletries		11	
	716	Other chemical products	17	4	6
	723	Other rubber products	21		2
	727	Textiles			39
	729	Carpets, blankets, other woven products	23		
	735	Household utensils	28	11	28
	816	Bricks & blocks	106	9	2
	817	Tiles & building ceramics	60		
	821	Iron & steel basic products	141	12	49
	825	Metal building parts	45	7	13
	915	Road transport equipment	55	0	63
POLLOC, COTABATO					
		Minor flows	43	12	
	000	All other commodity	1,844	2,307	3
	125	Other seafood	16		1
	133	Unmilled maize		225	
	164	Pineapples		13	
	175	Cocoa beans		18	
	177	Natural rubber & latex		54	
	212	Dairy products	1,285	1,019	
	221	Flour & related products from grain	97	265	3
	223	Preserved fruits & products		22	
	226	Other food preparations	420	478	3
	227	Animal Feeds	17	7	
	231	Fruit & vegetable juices	15		
	232	Processed coffee, cocoa & tea	72	10	
	234	Beer	1,551	1,189	
	235	Other alcoholic beverages	1,083	746	
	250	Tobacco products	553	461	
	412	Salt	1,705		1,160
	418	Petroleum	19		
	513	Gas oils		18	
	522	Lubricants	218	267	
	612	Inorganic chemicals	1	53	50
	618	Other fertilizers		100	
	711	Paints, inks & coloring agents	12		

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TABLE D. 1
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT OUTWARD
DOMESTIC CARGO FLOWS 1991-1993

(Continued)

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
	712	Vitamins & pharmaceuticals	139	155	
	713	Soap & toiletries	159	123	
	716	Other chemical products	49	50	
	722	Tires	12	0	
	725	Wood & cork products	28	28	
	727	Textiles	1	25	0
	728	Apparel	37	65	
	729	Carpets, blankets, other woven products	28		5
	735	Household utensils	103	33	15
	819	Glass bottles		25	
	821	Iron & steel basic products	116	24	284
	825	Metal building parts	79	3	
	913	Lighting & electrical parts	162	88	
	915	Road transport equipment	52	63	4
	925	Other household equipment	68	23	
COTABATO, COTABATO CITY, MAGUINDANAO					
		Minor flows	42	35	33
	000	All other commodity	1,468	2,865	9,109
	125	Other seafood	79	222	195
	132	Milled rice	35	683	1
	142	Peas & beans	35	1	4
	152	Onions & shallots	5	286	527
	155	Other vegetables	1	25	33
	183	Other processed fibers	33		
	197	Other agricultural commodities (n.e.s.)	13	0	1
	211	Meat	28		32
	212	Dairy products	1,537	1,581	2,793
	221	Flour & related products from grain	673	1,550	1,930
	222	Other field crop & vegetable meal, etc.	7	2	14
	223	Preserved fruits & products	5	5	13
	226	Other food preparations	1,257	1,271	703
	227	Animal Feeds	44	33	118
	231	Fruit & vegetable juices	172	87	26
	232	Processed coffee, cocoa & tea	367	71	67
	233	Mineral water & aerated beverages		48	110
	234	Beer	1,602	1,123	752
	235	Other alcoholic beverages	593	1,151	1,831
	250	Tobacco products	881	1,371	1,778
	322	Natural gums	16	16	
	411	Natural fertilizers	100		
	412	Salt	1,941	2,419	1,158
	413	Sands & gravel	18	2	
	414	Marble	28	7	18
	416	Building stone	18		
	417	Coal, lignite, bitumen, peat, shale	18		3
	419	Other non-metallic minerals		3	11
	511	Gasoline & aviation fuel		18	
	513	Gas oils	18	56	617
	522	Lubricants	228	493	797
	611	Organic chemicals	7	2	47
	612	Inorganic chemicals	60	32	29
	616	Other nitrogenous fertilizers			25
	618	Other fertilizers	22	2	17
	619	Petrochemicals	16	16	32
	711	Paints, inks & coloring agents	17	27	15

TABLE D. 1
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT OUTWARD DOMESTIC CARGO FLOWS 1991-1993

(Continued)

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
	712	Vitamins & pharmaceuticals	70	275	464
	713	Soap & toiletries	310	174	353
	716	Other chemical products	13	6	63
	722	Tires	44	140	292
	723	Other rubber products	0	13	27
	725	Wood & cork products	72	43	14
	727	Textiles	257	347	301
	728	Apparel	96	364	290
	729	Carpets, blankets, other woven products	66	64	20
	735	Household utensils	219	1,170	1,371
	811	Cements		2	49
	814	Building stone	18	54	55
	816	Bricks & blocks	14	2	40
	817	Tiles & building ceramics	17	3	19
	818	Glass & products (excluding bottles)	9	39	100
	819	Glass bottles		54	25
	821	Iron & steel basic products	539	915	421
	823	Aluminum products	25	8	4
	825	Metal building parts	16	145	93
	912	Communications equipment	2	6	75
	913	Lighting & electrical parts	135	7	158
	915	Road transport equipment	262	404	335
	917	Other transport equipment & parts		2	11
	921	Furniture	26	30	33
	922	Lamps	1	4	10
	924	Refrigerators & freezers	11	4	153
	925	Other household equipment	6	4	38
MANILA INTERNATIONAL CONTAINER PORT					
	000	All other commodity			643
MANILA (FIRST DISTRICT) NORTH HARBOR					
		Minor flows	9	23	7
	000	All other commodity	0	897	58
	114	Poultry		25	
	121	Fish, fresh or chilled		36	
	123	Frozen shellfish		25	
	133	Unmilled maize	324		
	172	Copra	116		
	181	Abaca	10		
	192	Other oil seeds		49	
	212	Dairy products	36	247	
	221	Flour & related products from grain	72		
	224	Sugar		1,425	
	226	Other food preparations	2	146	
	227	Animal Feeds	10	24	
	232	Processed coffee, cocoa & tea	28		
	233	Mineral water & aerated beverages	36		
	234	Beer		99	
	235	Other alcoholic beverages	60	74	
	241	Cotton, carded or combed	10		
	245	Vegetable fibers	33		
	311	Unprocessed wood (excluding firewood)		685	
	313	Wood charcoal	10		
	413	Sands & gravel		360	1,047
	415	Limestone & dolomite	36		
	416	Building stone	115	108	

TABLE D. 1
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT OUTWARD
DOMESTIC CARGO FLOWS 1991-1993

(Continued)

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
	424	Metal waste and scrap		78	
	522	Lubricants		863	
	611	Organic chemicals		14	
	612	Inorganic chemicals	1,269	18	
	618	Other fertilizers	35	56	
	713	Soap & toiletries		74	
	716	Other chemical products	360		
	724	Veneer & plywood		29	
	725	Wood & cork products	18	1	
	728	Apparel	0	79	
	729	Carpets, blankets, other woven products	0	25	
	735	Household utensils	1	18	
	816	Bricks & blocks		93	
	817	Tiles & building ceramics			11
	818	Glass & products (excluding bottles)		49	642
	819	Glass bottles	61	481	
	821	Iron & steel basic products	0	31	
	825	Metal building parts	85	23	6
	915	Road transport equipment	23	60	679
	916	Special purpose road vehicles	139	2	
	921	Furniture	34	1	
MANILA SOUTH HARBOR, MANILA					
		Minor flows	10	8	
	000	All other commodity		64	
	412	Salt	612		
	821	Iron & steel basic products	244	2	
	915	Road transport equipment		30	
OTHER OTHER NATIONAL PORTS					
		Minor flows			3
OTHER MUNICIPAL PORTS					
		Minor flows			14
STA. CRUZ, MARINDUQUE (BUYABOD)					
		Minor flows		24	
	000	All other commodity		450	169
	235	Other alcoholic beverages		26	
	424	Metal waste and scrap		27	
	522	Lubricants		94	
	611	Organic chemicals		26	
	612	Inorganic chemicals		10	
	817	Tiles & building ceramics		41	
	821	Iron & steel basic products		38	
	825	Metal building parts		0	20
	915	Road transport equipment		72	30
	916	Special purpose road vehicles			106
BALANACAN, MARINDUQUE					
		Minor flows			6
	000	All other commodity			23
	226	Other food preparations			108
	235	Other alcoholic beverages			123
	311	Unprocessed wood (excluding firewood)			139
	724	Veneer & plywood			11
	821	Iron & steel basic products			12
OTHER MUNICIPAL PORTS (MARINDUQUE)					
		Minor flows	15		1
	000	All other commodity	269	377	8

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TABLE D. 1
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT OUTWARD DOMESTIC CARGO FLOWS 1991-1993

(Continued)

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
	221	Flour & related products from grain	28		
	226	Other food preparations	57	2	
	235	Other alcoholic beverages	20		
	311	Unprocessed wood (excluding firewood)	3	9	83
	424	Metal waste and scrap		52	
	522	Lubricants	30	57	
	523	Other products	71		
	611	Organic chemicals	40	17	
	612	Inorganic chemicals	149	26	
	711	Paints, inks & coloring agents	12	9	
	716	Other chemical products	23	8	5
	733	Meters & measuring instruments	54		
	821	Iron & steel basic products	178	27	383
	915	Road transport equipment	80	22	0
	916	Special purpose road vehicles	135		
BOAC CAUSEWAY, BOAC, MARINDUQUE					
		Minor flows	2	6	0
	000	All other commodity	8	13	35
	221	Flour & related products from grain	18		
	226	Other food preparations	49	55	
	235	Other alcoholic beverages	132	140	76
	311	Unprocessed wood (excluding firewood)	44	50	158
	724	Veneer & plywood	2	4	11
	735	Household utensils	4	50	5
	821	Iron & steel basic products	12	20	34
BOAC (GASAN) GASAN, BOAC, MARINDUQUE					
		Minor flows	3		
	235	Other alcoholic beverages	30		
BOAC (LAYLAY) BULKHEAD/LANDING, LAYLAY, BOAC, MARINDUQUE					
		Minor flows		15	
	235	Other alcoholic beverages		15	
	250	Tobacco products		10	
	311	Unprocessed wood (excluding firewood)		12	
BOAC (KAWIT), BOAC, MARINDUQUE					
		Minor flows	9	5	.5
	000	All other commodity	6	77	19
	125	Other seafood		30	
	235	Other alcoholic beverages	20	74	
	311	Unprocessed wood (excluding firewood)	9	14	30
	821	Iron & steel basic products	11	6	6
	916	Special purpose road vehicles		11	
STA. CRUZ (BITIK) STA. CRUZ, MARINDUQUE					
		Minor flows	11		
	000	All other commodity		750	
	226	Other food preparations	15		
	311	Unprocessed wood (excluding firewood)	36		
	522	Lubricants	19		
	612	Inorganic chemicals	26		
	821	Iron & steel basic products	38		
	913	Lighting & electrical parts	14		
	915	Road transport equipment	15		
	916	Special purpose road vehicles	30		
MARCOPPER MINING CORPORATION PIER ROCK CAUSEWAY, SITIO KAY-					
		Minor flows	17	3	
	000	All other commodity	124	616	

TABLE D. 1

MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT OUTWARD

DOMESTIC CARGO FLOWS 1991-1993

(Continued)

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
	226	Other food preparations	70		
	424	Metal waste and scrap		46	
	522	Lubricants	197	44	
	611	Organic chemicals	39		
	612	Inorganic chemicals	60	3	
	716	Other chemical products	23	22	
	722	Tires	8	53	
	733	Meters & measuring instruments		13	
	817	Tiles & building ceramics	105		
	821	Iron & steel basic products	35	298	
	915	Road transport equipment	50	2	
MASBATE, MASBATE					
		Minor flows	30	76	92
	000	All other commodity	1,124	3,425	5,973
	111	Cattle & Carabao	98	19	56
	125	Other seafood	81	242	75
	132	Milled rice	8,400	3,974	1,508
	135	Other unmilled grains			111
	142	Peas & beans	1	25	86
	151	Tomatoes	1	16	2
	152	Onions & shallots	148	278	128
	155	Other vegetables	3	27	7
	161	Citrus fruit	2	13	23
	163	Temperate fruits	1	10	9
	165	Mangoes, avocados, guavas, mangosteen	3	26	28
	167	Other fresh fruit	2	14	0
	174	Coffee beans (untreated)	3	23	13
	197	Other agricultural commodities (n.e.s.)	2	4	51
	212	Dairy products	141	107	139
	213	Eggs			15
	221	Flour & related products from grain	935	1,185	1,853
	222	Other field crop & vegetable meal, etc.	12	40	28
	223	Preserved fruits & products	76	163	113
	224	Sugar		45	10
	226	Other food preparations	1,239	985	619
	227	Animal Feeds	80	208	194
	231	Fruit & vegetable juices	38	166	46
	232	Processed coffee, cocoa & tea	34	156	128
	233	Mineral water & aerated beverages	32	2	0
	234	Beer	5,854	9,254	8,012
	235	Other alcoholic beverages	1,786	3,555	4,053
	250	Tobacco products	703	712	761
	311	Unprocessed wood (excluding firewood)	1	98	168
	412	Salt	833	681	495
	413	Sands & gravel	3	28	15
	414	Marble	17	2	1
	417	Coal, lignite, bitumen, peat, shale		2	149
	419	Other non-metallic minerals		50	1
	511	Gasoline & aviation fuel		39	
	513	Gas oils	151	201	0
	522	Lubricants	333	815	778
	523	Other products	1	0	37
	611	Organic chemicals	1	2	10
	612	Inorganic chemicals	17	33	6
	615	Urea		28	12

TABLE D. 1
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT OUTWARD DOMESTIC CARGO FLOWS 1991-1993

(Continued)

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
	618	Other fertilizers	12	31	16
	619	Petrochemicals	0	25	90
	711	Paints, inks & coloring agents	130	145	13
	712	Vitamins & pharmaceuticals	12	46	36
	713	Soap & toiletries	284	474	180
	714	Plastics	22	12	5
	715	Pest control products	1	3	18
	716	Other chemical products	38	63	71
	722	Tires	90	108	368
	723	Other rubber products	7	14	23
	724	Veneer & plywood	44	11	75
	725	Wood & cork products	102	145	366
	727	Textiles	38	117	46
	728	Apparel	182	725	150
	729	Carpets, blankets, other woven products	135	429	88
	732	Medical & optical instruments	3	14	3
	733	Meters & measuring instruments	3	16	
	735	Household utensils	348	752	945
	811	Cements	36	99	168
	814	Building stone	2	11	14
	816	Bricks & blocks	4	17	3
	817	Tiles & building ceramics	6	4	14
	818	Glass & products (excluding bottles)	5	11	2
	819	Glass bottles	0	404	71
	821	Iron & steel basic products	1,050	954	1,799
	823	Aluminum products	3	5	29
	825	Metal building parts	27	93	168
	826	Building equipment	9	18	2
	912	Communications equipment	57	21	92
	913	Lighting & electrical parts	64	47	118
	915	Road transport equipment	179	457	754
	916	Special purpose road vehicles	22	388	
	917	Other transport equipment & parts	23	32	24
	921	Furniture	59	70	51
	922	Lamps	1	25	10
	924	Refrigerators & freezers	20	53	57
	925	Other household equipment	30	7	5
OTHER MUNICIPAL PORTS (MASBATE)					
		Minor flows	27	1	5
	000	All other commodity	2	7	30
	311	Unprocessed wood (excluding firewood)		30	
	412	Salt	40		
	413	Sands & gravel		60	900
	419	Other non-metallic minerals	34		
	723	Other rubber products	0		56
	821	Iron & steel basic products	360	40	
	915	Road transport equipment	13		4
AROROY CAUSEWAY/PIER, AROROY, MASBATE					
	000	All other commodity			30
	523	Other products			200
CATAINGAN CAUSEWAY/PIER CATAINGAN, MASBATE					
		Minor flows			3
OZAMIS, OZAMIS CITY					
		Minor flows	56	51	26
	000	All other commodity	6,670	16,935	27,883

TABLE D. 1
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT OUTWARD
DOMESTIC CARGO FLOWS 1991-1993

(Continued)

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
	113	Swine		23	0
	125	Other seafood	283	531	241
	132	Milled rice	35	224	1
	134	Corn grits & meal		14	
	141	Potatoes	20	14	19
	142	Peas & beans	18	8	13
	146	Fieldcrop legumes	73	222	4
	152	Onions & shallots	241	389	361
	153	Root vegetables	4	13	0
	155	Other vegetables	45	41	71
	163	Temperate fruits	10	33	22
	171	Coconuts		65	
	176	Palm nuts & kernels	16		
	181	Abaca	99		
	192	Other oil seeds	0	18	
	197	Other agricultural commodities (n.e.s.)	4	8	15
	211	Meat	29	42	12
	212	Dairy products	2,938	3,355	1,923
	221	Flour & related products from grain	1,340	1,192	1,964
	222	Other field crop & vegetable meal, etc.	42	56	30
	223	Preserved fruits & products	18	54	63
	226	Other food preparations	3,431	2,335	1,673
	227	Animal Feeds	327	336	198
	231	Fruit & vegetable juices	5	57	41
	232	Processed coffee, cocoa & tea	441	355	310
	233	Mineral water & aerated beverages	2	267	18
	234	Beer	4,860	6,741	
	235	Other alcoholic beverages	3,173	2,418	1,495
	236	Coconut oil			38
	237	Other vegetable oils	17	15	8
	250	Tobacco products	2,276	2,656	1,526
	411	Natural fertilizers		39	
	412	Salt	2,007	2,588	310
	413	Sands & gravel	15	15	4
	414	Marble	46	61	1
	417	Coal, lignite, bitumen, peat, shale		28	108
	419	Other non-metallic minerals	13	5	16
	424	Metal waste and scrap	36		2
	511	Gasoline & aviation fuel			18
	513	Gas oils	143	138	25
	522	Lubricants	994	1,045	905
	523	Other products	11	129	567
	612	Inorganic chemicals	326	223	69
	618	Other fertilizers	8	41	10
	619	Petrochemicals	19	7	28
	711	Paints, inks & coloring agents	27	79	66
	712	Vitamins & pharmaceuticals	942	1,382	816
	713	Soap & toiletries	3,494	1,610	493
	714	Plastics	10	8	33
	715	Pest control products	45	20	3
	716	Other chemical products	143	73	87
	722	Tires	122	233	286
	723	Other rubber products	54	53	3
	724	Veneer & plywood	34	38	28
	725	Wood & cork products	299	215	120

TABLE D. 1
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT OUTWARD DOMESTIC CARGO FLOWS 1991-1993

(Continued)

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
	727	Textiles	117	246	163
	728	Apparel	2,999	1,412	1,267
	729	Carpets, blankets, other woven products	117	15	22
	732	Medical & optical instruments	6	17	18
	734	Photographic equipment & materials	35	37	36
	735	Household utensils	1,560	2,037	1,843
	811	Cements	3	199	
	814	Building stone	13	34	64
	816	Bricks & blocks	10	11	
	817	Tiles & building ceramics	6	21	0
	818	Glass & products (excluding bottles)	67	74	113
	819	Glass bottles	11	104	1
	821	Iron & steel basic products	1,280	1,414	568
	822	Copper products	1	50	
	823	Aluminum products	23	133	28
	825	Metal building parts	477	505	381
	826	Building equipment	10	2	2
	912	Communications equipment	184	84	70
	913	Lighting & electrical parts	566	251	503
	914	Medical diagnostic equuipment		18	
	915	Road transport equipment	739	732	799
	917	Other transport equipment & parts	60	37	31
	921	Furniture	120	148	60
	922	Lamps	2	3	36
	923	Washing & drying machines	2	1	36
	924	Refrigerators & freezers	125	288	597
	925	Other household equipment	237	255	47
PLARIDEL CAUSEWAY/PIER MISAMIS OCCIDENTAL					
		Minor flows		1	
CAGAYAN DE ORO					
		Minor flows	38	35	35
	000	All other commodity	28,511	38,945	57,307
	113	Swine		18	
	114	Poultry	18	0	51
	125	Other seafood	847	783	926
	132	Milled rice	408	4,937	779
	133	Unmilled maize	133	3	1
	134	Corn grits & meal	32	5	37
	141	Potatoes	6	102	4
	142	Peas & beans	53	166	21
	146	Fieldcrop legumes	602	1,802	1,752
	151	Tomatoes	12	8	33
	152	Onions & shallots	1,169	1,772	1,602
	155	Other vegetables	68	122	216
	161	Citrus fruit	10	12	25
	162	Bananas		60	
	163	Temperate fruits	41	228	371
	164	Pineapples	22	972	318
	167	Other fresh fruit	5	43	9
	174	Coffee beans (untreated)		1,270	
	176	Palm nuts & kernels	18		
	177	Natural rubber & latex		36	12
	191	Cut flowers	13	12	0
	192	Other oil seeds	516	722	913
	195	Rattan			12

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TABLE D. 1

MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT OUTWARD

DOMESTIC CARGO FLOWS 1991-1993

(Continued)

DESTINATION	COMMODITY	CARGO (MT) 1991	1992	1993
197	Other agricultural commodities (n.e.s.)	142	78	310
211	Meat	654	633	443
212	Dairy products	9,171	16,795	12,171
216	Other animal products	1	3	13
221	Flour & related products from grain	2,863	7,725	8,034
222	Other field crop & vegetable meal, etc.	140	37	63
223	Preserved fruits & products	377	836	1,328
224	Sugar		0	197
225	Molasses & related products	4	4	72
226	Other food preparations	6,918	9,844	6,213
227	Animal Feeds	1,162	2,371	2,582
231	Fruit & vegetable juices	401	254	805
232	Processed coffee, cocoa & tea	1,339	1,816	2,218
233	Mineral water & aerated beverages	451	1,422	1,111
234	Beer	7,090	4,159	843
235	Other alcoholic beverages	6,296	4,776	7,212
236	Coconut oil			18
237	Other vegetable oils	333	437	648
246	By products & residue of cotton	2	26	16
250	Tobacco products	4,838	3,893	3,494
311	Unprocessed wood (excluding firewood)	6	26	280
313	Wood charcoal		20	
411	Natural fertilizers	89	260	353
412	Salt	686	692	1,337
413	Sands & gravel	52		21
414	Marble	128	16	9
415	Limestone & dolomite	26		5
416	Building stone	18	5	
417	Coal, lignite, bitumen, peat, shale	16	18	
419	Other non-metallic minerals	649	203	1,131
423	Other metallic ores & concentrates	18		
511	Gasoline & aviation fuel		49	
512	Kerosene		12	
513	Gas oils	344	248	244
522	Lubricants	1,949	1,675	2,073
523	Other products	0	23	146
611	Organic chemicals	207	228	136
612	Inorganic chemicals	786	310	826
615	Urea	1,000	18	
616	Other nitrogenous fertilizers	72		3
618	Other fertilizers	322	515	432
619	Petrochemicals	398	462	609
711	Paints, inks & coloring agents	107	170	180
712	Vitamins & pharmaceuticals	941	1,293	2,276
713	Soap & toiletries	7,385	7,668	8,846
714	Plastics	37	59	66
715	Pest control products	40	172	86
716	Other chemical products	840	755	371
721	Leather & products	21	4	29
722	Tires	3,368	2,035	2,608
723	Other rubber products	193	154	141
724	Veneer & plywood	36	67	151
725	Wood & cork products	561	554	1,249
727	Textiles	219	487	547
728	Apparel	1,116	1,834	1,617

TABLE D. 1
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT OUTWARD
DOMESTIC CARGO FLOWS 1991-1993

(Continued)

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
	729	Carpets, blankets, other woven products	113	242	305
	731	Trunks, suitcases & handbags	18	33	63
	732	Medical & optical instruments	7	16	25
	733	Meters & measuring instruments	45	28	25
	734	Photographic equipment & materials	21	2	12
	735	Household utensils	3,147	3,445	5,833
	811	Cements	310	4	4
	814	Building stone	247	60	299
	816	Bricks & blocks	12	18	198
	817	Tiles & building ceramics	115	45	225
	818	Glass & products (excluding bottles)	430	271	274
	819	Glass bottles	2,451	2,749	2,440
	821	Iron & steel basic products	9,198	5,023	4,494
	822	Copper products	18	4	2
	823	Aluminum products	31	81	64
	824	Other metal products	13	11	17
	825	Metal building parts	2,617	755	2,109
	826	Building equipment	17	66	37
	911	Office equipment	53	40	40
	912	Communications equipment	142	626	80
	913	Lighting & electrical parts	1,519	1,447	1,299
	915	Road transport equipment	4,631	4,241	5,926
	916	Special purpose road vehicles	97	60	10
	917	Other transport equipment & parts	72	112	172
	918	Other equipment & parts	1	25	2
	921	Furniture	295	326	487
	922	Lamps	9	4	26
	923	Washing & drying machines	4	3	22
	924	Refrigerators & freezers	310	428	1,024
	925	Other household equipment	883	1,616	940
OTHER MUNICIPAL PORTS ORR. MISAMIS					
	724	Veneer & plywood			22
	913	Lighting & electrical parts		12	
BALBAGON PORT, MAMBAJAO CAMIGUIN					
		Minor flows	2		
	916	Special purpose road vehicles	55		
MANTICAO PIER MANTICAO, MISAMIS ORIENTAL					
		Minor flows			13
	412	Salt			49
	735	Household utensils			12
	821	Iron & steel basic products			71
	913	Lighting & electrical parts			10
TAGOLOAN CAUSEWAY/WHARF, MISAMIS ORIENTAL					
	000	All other commodity			1,327
FERROCHROME, PHIVEDEC AREA TAGOLOAN, MISAMIS ORIENTAL					
	735	Household utensils	25	300	
	817	Tiles & building ceramics	15		
PHILIPPINE PACKING CORPORATION, BUGO, CAGAYAN DE ORO CITY					
		Minor flows	10	3	
	000	All other commodity	1,947	403	
	132	Milled rice	18		
	146	Fieldcrop legumes	33		
	164	Pineapples	32		
	212	Dairy products	28		
	223	Preserved fruits & products	21	6	

TABLE D. 1

MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT OUTWARD

DOMESTIC CARGO FLOWS 1991-1993

(Continued)

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
	224	Sugar	287		
	226	Other food preparations	349		
	231	Fruit & vegetable juices	16		
	412	Salt	20		
	419	Other non-metallic minerals	60		
	612	Inorganic chemicals	134		
	618	Other fertilizers		92	
	711	Paints, inks & coloring agents	12		
	712	Vitamins & pharmaceuticals	15		
	713	Soap & toiletries	70		
	716	Other chemical products	18	1	
	722	Tires	17		
	725	Wood & cork products	340		
	735	Household utensils	49		
	825	Metal building parts	38		
	915	Road transport equipment	813	126	
RESINS INCORPORATED JASAAN, MISAMIS ORIENTAL					
		Minor flows	6		
	000	All other commodity	27		
	227	Animal Feeds	36		
	232	Processed coffee, cocoa & tea	17		
	711	Paints, inks & coloring agents	27		
	725	Wood & cork products	13		
PULUPANDAN, NEGROS OCCIDENTAL					
		Minor flows	58	17	18
	000	All other commodity	5,291	4,255	3,279
	115	Other live animals			13
	125	Other seafood	413	228	107
	131	Palay	45		
	132	Milled rice	5,232	4,560	3,491
	133	Unmilled maize	281	433	1
	134	Corn grits & meal		47	
	135	Other unmilled grains	630	11	16
	142	Peas & beans	62	48	22
	146	Fieldcrop legumes	1,502	450	0
	152	Onions & shallots	64	3	50
	155	Other vegetables	3	1	13
	161	Citrus fruit	18	23	
	163	Temperate fruits	42	2	
	167	Other fresh fruit	21		
	192	Other oil seeds	255	7	107
	211	Meat	460	128	82
	212	Dairy products	2,899	1,847	1,794
	215	Animal oils		0	14
	221	Flour & related products from grain	380,654	4,860	2,563
	222	Other field crop & vegetable meal, etc.	34	109	19
	223	Preserved fruits & products	17	75	4
	224	Sugar	10		
	225	Molasses & related products	12		
	226	Other food preparations	3,018	1,696	592
	227	Animal Feeds	1,011	898	792
	231	Fruit & vegetable juices	92	42	13
	232	Processed coffee, cocoa & tea	307	273	363
	233	Mineral water & aerated beverages	207	5	25
	234	Beer	18,169	6,313	566

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TABLE D. 1
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT OUTWARD
DOMESTIC CARGO FLOWS 1991-1993

(Continued)

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
	235	Other alcoholic beverages	2,675	1,237	1,871
	237	Other vegetable oils	216		
	250	Tobacco products	2,483	1,220	428
	311	Unprocessed wood (excluding firewood)	41	11	5
	411	Natural fertilizers	16		
	412	Salt	443	200	41
	413	Sands & gravel	21		
	417	Coal, lignite, bitumen, peat, shale	5	54	
	419	Other non-metallic minerals	14		3
	512	Kerosene		18	
	513	Gas oils	42	73	
	522	Lubricants	1,792	574	288
	523	Other products	2	20	112
	612	Inorganic chemicals	450	153	70
	618	Other fertilizers	14	8	
	619	Petrochemicals		361	
	711	Paints, inks & coloring agents	102	35	8
	712	Vitamins & pharmaceuticals	403	212	158
	713	Soap & toiletries	1,486	816	87
	714	Plastics	91	21	2
	715	Pest control products	5	21	20
	716	Other chemical products	171	103	66
	722	Tires	831	424	395
	723	Other rubber products	17	27	1
	724	Veneer & plywood	35	34	16
	725	Wood & cork products	109	25	33
	727	Textiles	471	107	22
	728	Apparel	697	438	100
	729	Carpets, blankets, other woven products	26	153	42
	735	Household utensils	1,038	1,081	745
	811	Cements		90	
	814	Building stone	88	19	20
	816	Bricks & blocks	4	30	18
	817	Tiles & building ceramics	29	1	
	818	Glass & products (excluding bottles)	34	27	24
	819	Glass bottles	1,530	95	125
	821	Iron & steel basic products	4,671	4,638	2,036
	824	Other metal products	23		
	825	Metal building parts	196	267	277
	826	Building equipment	18	8	
	912	Communications equipment	66	10	27
	913	Lighting & electrical parts	477	439	271
	915	Road transport equipment	2,127	648	169
	916	Special purpose road vehicles	67		
	917	Other transport equipment & parts	19	10	21
	921	Furniture	58	70	13
	924	Refrigerators & freezers	267	114	1
	925	Other household equipment	163	137	10
SAN CARLOS CITY, NEGROS OCCCIDENTAL					
		Minor flows		9	9
	000	All other commodity		775	818
	224	Sugar		27	
	412	Salt		187	229
	419	Other non-metallic minerals		40	
	612	Inorganic chemicals		720	53

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TABLE D. 1
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT OUTWARD
DOMESTIC CARGO FLOWS 1991-1993

(Continued)

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
	711	Paints, inks & coloring agents		2	24
	722	Tires		13	21
	723	Other rubber products		20	
	729	Carpets, blankets, other woven products		19	4
	733	Meters & measuring instruments		44	
	735	Household utensils		2	38
	814	Building stone		34	141
	821	Iron & steel basic products		1,148	183
	825	Metal building parts		120	268
	915	Road transport equipment	65		31
	922	Lamps			24
OTHER MUNICIPAL PORTS (NEGROS OCC.)					
		Minor flows	31	8	9
	000	All other commodity	129	606	498
	231	Fruit & vegetable juices	10	6	
	234	Beer	90		
	235	Other alcoholic beverages	18		
	250	Tobacco products	16		
	311	Unprocessed wood (excluding firewood)	14		
	322	Natural gums	300		
	417	Coal, lignite, bitumen, peat, shale			300
	612	Inorganic chemicals			30
	713	Soap & toiletries	28		
	716	Other chemical products	130		
	725	Wood & cork products	44	44	
	728	Apparel	17	17	
	735	Household utensils	58	100	
	817	Tiles & building ceramics	103	101	119
	821	Iron & steel basic products	38		43
	915	Road transport equipment	133	109	
	925	Other household equipment		35	
CARTAGENA MARICULUM, SIPALAY, NEGROS OCCIDENTAL					
		Minor flows	0	32	18
	000	All other commodity	29	1,156	399
	212	Dairy products		20	
	411	Natural fertilizers		153	
	513	Gas oils		54	
	522	Lubricants	12	25	0
	612	Inorganic chemicals	29	242	204
	616	Other nitrogenous fertilizers	135		88
	716	Other chemical products		170	335
	722	Tires	40	127	1
	723	Other rubber products	31	7	18
	725	Wood & cork products	23		
	733	Meters & measuring instruments	75	70	64
	735	Household utensils		17	50
	817	Tiles & building ceramics			386
	821	Iron & steel basic products	205	90	146
	823	Aluminum products		7	18
	915	Road transport equipment	20	92	32
	916	Special purpose road vehicles		10	
	925	Other household equipment	36	32	1
DAAN BANWA, BACOLOD CITY					
		Minor flows	32	18	30
	000	All other commodity	844	994	3,403

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TABLE D. 1
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT OUTWARD DOMESTIC CARGO FLOWS 1991-1993

(Continued)

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
	121	Fish, fresh or chilled			186
	125	Other seafood	9	85	147
	132	Milled rice	479	1,160	4,452
	133	Unmilled maize	92		72
	135	Other unmilled grains	6		32
	142	Peas & beans	15	7	1
	146	Fieldcrop legumes	780	1,201	61
	192	Other oil seeds	175		
	197	Other agricultural commodities (n.e.s.)	25		
	211	Meat	4	90	140
	212	Dairy products	1,421	682	898
	221	Flour & related products from grain	944	811	2,034
	222	Other field crop & vegetable meal, etc.	18	3	12
	223	Preserved fruits & products	25	4	30
	224	Sugar		1	25
	226	Other food preparations	354	261	1,545
	227	Animal Feeds	274	227	509
	231	Fruit & vegetable juices	17	18	3
	232	Processed coffee, cocoa & tea	5	54	91
	233	Mineral water & aerated beverages	10		
	234	Beer	451	219	2,109
	235	Other alcoholic beverages	1,236	969	1,250
	250	Tobacco products	99	168	949
	311	Unprocessed wood (excluding firewood)	1	3	121
	321	Cork			106
	412	Salt	184	1	400
	419	Other non-metallic minerals	31		11
	512	Kerosene			18
	513	Gas oils	88	19	41
	522	Lubricants	102	124	653
	523	Other products		18	6
	611	Organic chemicals		56	1
	612	Inorganic chemicals	121	90	131
	711	Paints, inks & coloring agents	15	3	1
	712	Vitamins & pharmaceuticals	20	19	155
	713	Soap & toiletries	104	55	217
	714	Plastics	32	0	2
	716	Other chemical products	5	38	49
	722	Tires	213	85	500
	723	Other rubber products	6	1	64
	724	Veneer & plywood	5	4	18
	725	Wood & cork products	4		77
	727	Textiles	177	20	127
	728	Apparel	1,037	11	51
	729	Carpets, blankets, other woven products		2	36
	731	Trunks, suitcases & handbags	16		
	735	Household utensils	90	176	659
	811	Cements		56	25
	814	Building stone	29	16	10
	815	Asphalt and similar material		15	
	816	Bricks & blocks		8	11
	817	Tiles & building ceramics	18		
	818	Glass & products (excluding bottles)	18	21	2
	819	Glass bottles	137		90
	821	Iron & steel basic products	1,654	676	4,739

TABLE D. 1
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT OUTWARD
DOMESTIC CARGO FLOWS 1991-1993

(Continued)

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
	823	Aluminum products	2	0	15
	825	Metal building parts	275	15	169
	912	Communications equipment	16	1	5
	913	Lighting & electrical parts	93	117	369
	915	Road transport equipment	269	151	399
	917	Other transport equipment & parts		0	28
	921	Furniture	20	1	5
	924	Refrigerators & freezers	13	9	46
	925	Other household equipment	60	36	197
CALATRAVA CAUSEWAY, NEGROS OCCIDENTAL					
		Minor flows		6	6
	000	All other commodity			489
	612	Inorganic chemicals			120
	821	Iron & steel basic products		3	16
OTHER PRIVATE PORTS (NEGROS OCC)					
		Minor flows			4
	000	All other commodity		433	98
	132	Milled rice			94
	221	Flour & related products from grain			295
	234	Beer		1,382	
	522	Lubricants	100		
	722	Tires			39
	727	Textiles			15
	735	Household utensils			20
	816	Bricks & blocks			25
	817	Tiles & building ceramics	202		
	821	Iron & steel basic products	1	95	690
	915	Road transport equipment	88	204	12
	916	Special purpose road vehicles	86	48	6
BISCOM HINIGARAN, NEGROS OCCIDENTAL					
		Minor flows	18	4	
	146	Fieldcrop legumes		15	
BREDCO, RECLAMATION AREA, BACOLOD CITY, NEGROS OCCIDENTAL					
		Minor flows		47	58
	000	All other commodity		6,968	5,937
	114	Poultry		18	
	121	Fish, fresh or chilled			40
	123	Frozen shellfish		88	
	125	Other seafood		498	297
	132	Milled rice		9,364	1,955
	133	Unmilled maize		26	16
	135	Other unmilled grains		27	20
	141	Potatoes		25	1
	142	Peas & beans		105	129
	146	Fieldcrop legumes	5	4,322	
	152	Onions & shallots		79	34
	155	Other vegetables		4	13
	161	Citrus fruit		51	42
	163	Temperate fruits		20	82
	167	Other fresh fruit		29	3
	174	Coffee beans (untreated)		12	
	192	Other oil seeds		298	8
	197	Other agricultural commodities (n.e.s.)		7	108
	211	Meat		86	57
	212	Dairy products		1,121	1,333

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TABLE D. 1
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT OUTWARD
DOMESTIC CARGO FLOWS 1991-1993

(Continued)

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
	221	Flour & related products from grain	28	4,233	3,135
	222	Other field crop & vegetable meal, etc.		9	76
	223	Preserved fruits & products		32	75
	224	Sugar		153	9
	226	Other food preparations		1,282	1,194
	227	Animal Feeds		1,915	1,456
	231	Fruit & vegetable juices		88	32
	232	Processed coffee, cocoa & tea		497	200
	233	Mineral water & aerated beverages		73	130
	234	Beer		1,815	2,530
	235	Other alcoholic beverages		1,224	1,807
	250	Tobacco products		1,051	989
	311	Unprocessed wood (excluding firewood)		82	236
	412	Salt		250	4
	413	Sands & gravel		1	15
	414	Marble		88	
	416	Building stone		10	
	417	Coal, lignite, bitumen, peat, shale		111	98
	419	Other non-metallic minerals		36	0
	423	Other metallic ores & concentrates		18	54
	424	Metal waste and scrap		22	52
	513	Gas oils		133	21
	522	Lubricants		480	1,216
	523	Other products		17	172
	611	Organic chemicals		4	25
	612	Inorganic chemicals		138	97
	618	Other fertilizers		503	3
	619	Petrochemicals		55	2
	711	Paints, inks & coloring agents		120	40
	712	Vitamins & pharmaceuticals		178	218
	713	Soap & toiletries		1,327	631
	714	Plastics		36	14
	716	Other chemical products		211	45
	722	Tires		208	670
	723	Other rubber products		49	26
	724	Veneer & plywood		16	38
	725	Wood & cork products		163	158
	727	Textiles		325	368
	728	Apparel		672	464
	729	Carpets, blankets, other woven products		56	46
	734	Photographic equipment & materials		12	3
	735	Household utensils		1,370	1,122
	811	Cements		610	4
	814	Building stone		84	92
	816	Bricks & blocks		61	33
	817	Tiles & building ceramics		13	4
	818	Glass & products (excluding bottles)		25	43
	819	Glass bottles		26	808
	821	Iron & steel basic products	8	5,124	6,080
	823	Aluminum products		6	30
	824	Other metal products		10	3
	825	Metal building parts		93	256
	826	Building equipment		46	12
	912	Communications equipment		12	2
	913	Lighting & electrical parts		423	239

TABLE D. 1
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT OUTWARD
DOMESTIC CARGO FLOWS 1991-1993

(Continued)

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
	915	Road transport equipment		465	483
	916	Special purpose road vehicles		77	31
	917	Other transport equipment & parts		36	21
	921	Furniture		82	61
	924	Refrigerators & freezers		162	65
	925	Other household equipment		30	29
INSULAR LUMBER CO. OF THE PHILIPPINES, HINOBA-AN, NEGROS					
	000	All other commodity			63
MARINDUQUE MINING & IND. CORPORATION CALITAN, SIPALAY, NE					
		Minor flows	22	1	
	000	All other commodity	150	11	
	212	Dairy products	108		
	234	Beer	126		
	235	Other alcoholic beverages	58		
	522	Lubricants	46		
	612	Inorganic chemicals	119		
	716	Other chemical products	12		
	722	Tires	77		
	723	Other rubber products	23		
	821	Iron & steel basic products	112	26	
	915	Road transport equipment	26		
NEGROS NAV. INCORPORATED BO. BANAGO, BACOLOD CITY					
		Minor flows	52	36	56
	000	All other commodity	4,275	5,828	8,234
	125	Other seafood	40	60	97
	132	Milled rice	1,034	38	130
	133	Unmilled maize		17	
	135	Other unmilled grains		1	21
	141	Potatoes	24	30	93
	142	Peas & beans	38	30	53
	145	Tobacco	71	96	78
	151	Tomatoes		28	2
	152	Onions & shallots	292	243	478
	155	Other vegetables	31	15	11
	161	Citrus fruit	34	47	115
	162	Bananas	6	1	30
	163	Temperate fruits	52	12	44
	167	Other fresh fruit	2	16	24
	174	Coffee beans (untreated)	16	8	5
	211	Meat	1	24	61
	212	Dairy products	933	289	505
	213	Eggs	7	56	85
	214	Hides & skins	10	0	0
	221	Flour & related products from grain	745	308	574
	222	Other field crop & vegetable meal, etc.	0	5	10
	223	Preserved fruits & products	35	20	1
	224	Sugar	1		14
	226	Other food preparations	1,275	444	330
	227	Animal Feeds	515	157	546
	231	Fruit & vegetable juices	0	12	26
	232	Processed coffee, cocoa & tea	344	56	131
	233	Mineral water & aerated beverages	25	1	412
	234	Beer	104	25	499
	235	Other alcoholic beverages	571	202	148
	250	Tobacco products	429	124	111

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TABLE D. 1
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT OUTWARD DOMESTIC CARGO FLOWS 1991-1993

(Continued)

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
	412	Salt			88
	413	Sands & gravel	36	29	50
	414	Marble	28	22	37
	417	Coal, lignite, bitumen, peat, shale	8	50	
	419	Other non-metallic minerals	16	18	35
	424	Metal waste and scrap	16		1
	513	Gas oils	177	12	
	522	Lubricants	459	44	72
	523	Other products	24	20	8
	611	Organic chemicals	10		42
	612	Inorganic chemicals	122	120	75
	619	Petrochemicals	58	81	25
	711	Paints, inks & coloring agents	100	96	58
	712	Vitamins & pharmaceuticals	161	62	165
	713	Soap & toiletries	473	757	376
	714	Plastics	42	35	17
	715	Pest control products	10	6	11
	716	Other chemical products	249	115	82
	721	Leather & products	12	13	1
	722	Tires	154	154	42
	723	Other rubber products	62	84	74
	724	Veneer & plywood	35	15	1
	725	Wood & cork products	219	364	279
	727	Textiles	2,105	2,176	2,351
	728	Apparel	1,478	1,836	1,989
	729	Carpets, blankets, other woven products	40	146	45
	731	Trunks, suitcases & handbags	1	11	
	732	Medical & optical instruments	5	13	
	734	Photographic equipment & materials	21	31	17
	735	Household utensils	581	796	942
	811	Cements	48	153	234
	814	Building stone	260	269	328
	816	Bricks & blocks	39	113	111
	817	Tiles & building ceramics	37	10	33
	818	Glass & products (excluding bottles)	27	48	31
	819	Glass bottles	131	84	340
	821	Iron & steel basic products	1,078	697	182
	822	Copper products	11	10	1
	823	Aluminum products	10	7	21
	824	Other metal products	1	20	1
	825	Metal building parts	97	162	185
	826	Building equipment	57	66	69
	911	Office equipment	13	3	5
	912	Communications equipment	37	16	10
	913	Lighting & electrical parts	247	215	261
	915	Road transport equipment	947	835	885
	917	Other transport equipment & parts	39	55	116
	921	Furniture	88	94	133
	923	Washing & drying machines	26	0	16
	924	Refrigerators & freezers	168	288	251
	925	Other household equipment	260	265	34
SAN CARLOS MILLING COMPANY, NEGROS OCCIDENTAL					
		Minor flows		7	
	000	All other commodity		450	
	816	Bricks & blocks		365	

TABLE D. 1
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT OUTWARD
DOMESTIC CARGO FLOWS 1991-1993

(Continued)

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
	821	Iron & steel basic products		36	
	825	Metal building parts	310		
	915	Road transport equipment	511	36	
SAN MIGUEL CORPORATION SUM-AG,BACOLOD CITY					
	234	Beer	960		
	915	Road transport equipment			48
VICTORIAS MILL. CORPORATION INC. DAAN BANUA, VICTORIAS, N					
		Minor flows	43	38	41
	000	All other commodity	142	424	286
	125	Other seafood	2	16	2
	132	Milled rice	662	1,321	
	146	Fieldcrop legumes	200	203	
	192	Other oil seeds		40	
	212	Dairy products			1,688
	221	Flour & related products from grain	1,373	1	2
	224	Sugar	16	1,291	1,052
	226	Other food preparations	8	21	9
	227	Animal Feeds	0	83	
	233	Mineral water & aerated beverages			33
	237	Other vegetable oils	40		
	311	Unprocessed wood (excluding firewood)	0	5	27
	413	Sands & gravel	57	0	
	419	Other non-metallic minerals		0	32
	612	Inorganic chemicals	10	1	18
	618	Other fertilizers	30		
	711	Paints, inks & coloring agents			18
	716	Other chemical products	185	61	62
	725	Wood & cork products	34		0
	729	Carpets, blankets, other woven products	17	0	
	735	Household utensils	2	1	23
	818	Glass & products (excluding bottles)	12		0
	819	Glass bottles		0	103
	821	Iron & steel basic products	105	223	30,282
	825	Metal building parts	230	0	12
	913	Lighting & electrical parts	14	3	9
	915	Road transport equipment	376	186	72
	921	Furniture	1	3	18
	925	Other household equipment		0	16
DUMAGUETE CITY					
		Minor flows	38	36	17
	000	All other commodity	6,201	11,214	9,652
	111	Cattle & Carabao	2	25	
	113	Swine	12		
	125	Other seafood	198	219	117
	132	Milled rice	630	10,701	1,136
	133	Unmilled maize	8	496	30
	135	Other unmilled grains	37		1
	141	Potatoes	4	57	14
	142	Peas & beans	1	76	28
	146	Fieldcrop legumes	2	20	1
	152	Onions & shallots	74	468	318
	155	Other vegetables	8	41	27
	163	Temperate fruits	5	48	16
	193	Other spices	1	33	
	197	Other agricultural commodities (n.e.s.)	13	1	11

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TABLE D. 1
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT OUTWARD
DOMESTIC CARGO FLOWS 1991-1993
(Continued)

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
	211	Meat	8	43	18
	212	Dairy products	2,451	2,499	2,086
	216	Other animal products			18
	221	Flour & related products from grain	1,190	1,508	1,024
	222	Other field crop & vegetable meal, etc.	21	28	18
	223	Preserved fruits & products	2	11	62
	224	Sugar	15	87	90
	226	Other food preparations	2,389	1,507	602
	227	Animal Feeds	1,148	412	337
	231	Fruit & vegetable juices	1	116	74
	232	Processed coffee, cocoa & tea	275	274	234
	233	Mineral water & aerated beverages	18	182	11
	234	Beer	3,141	2,646	282
	235	Other alcoholic beverages	1,694	1,646	1,743
	250	Tobacco products	1,766	1,142	730
	311	Unprocessed wood (excluding firewood)	40	145	9
	412	Salt	866	120	
	413	Sands & gravel	159	18	
	414	Marble	9	105	2
	415	Limestone & dolomite	24		
	417	Coal, lignite, bitumen, peat, shale		750	
	419	Other non-metallic minerals	25	468	2
	511	Gasoline & aviation fuel	36		
	513	Gas oils	39	27	1
	522	Lubricants	1,501	920	482
	523	Other products	23	30	19
	612	Inorganic chemicals	167	218	46
	618	Other fertilizers	266	1	
	619	Petrochemicals	45	62	2
	711	Paints, inks & coloring agents	101	415	13
	712	Vitamins & pharmaceuticals	397	587	391
	713	Soap & toiletries	2,120	981	745
	714	Plastics	50	64	10
	715	Pest control products	20	0	2
	716	Other chemical products	221	135	177
	722	Tires	3,584	570	126
	723	Other rubber products	35	32	23
	724	Veneer & plywood	10	15	21
	725	Wood & cork products	158	254	20
	727	Textiles	80	118	88
	728	Apparel	422	368	88
	729	Carpets, blankets, other woven products	26	55	18
	731	Trunks, suitcases & handbags	20	61	290
	733	Meters & measuring instruments	4	4	13
	735	Household utensils	761	1,012	689
	811	Cements	433	1,063	1,342
	814	Building stone	11	28	11
	816	Bricks & blocks	13	26	47
	817	Tiles & building ceramics	22	3	0
	818	Glass & products (excluding bottles)	14	56	58
	819	Glass bottles	655	32	100
	821	Iron & steel basic products	1,575	1,565	654
	823	Aluminum products		36	19
	824	Other metal products	0	6	19
	825	Metal building parts	137	766	66

TABLE D. 1

MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT OUTWARD

DOMESTIC CARGO FLOWS 1991-1993

(Continued)

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
	912	Communications equipment	34	60	32
	913	Lighting & electrical parts	639	183	160
	915	Road transport equipment	1,010	654	981
	916	Special purpose road vehicles	4	15	10
	917	Other transport equipment & parts	106	48	11
	918	Other equipment & parts	13	10	
	921	Furniture	116	73	137
	924	Refrigerators & freezers	90	153	281
	925	Other household equipment	90	147	18
OTHER OTHER NATIONAL PORTS NEGROS ORR. NEGROS ORR.					
	000	All other commodity	140		
	815	Asphalt and similar material	40		
	821	Iron & steel basic products	50		
OTHER MUNICIPAL PORTS NEGROS ORR.					
		Minor flows	8		31
	000	All other commodity	1		236
	417	Coal, lignite, bitumen, peat, shale		104	
	523	Other products			40
	716	Other chemical products			36
	728	Apparel	0		15
	733	Meters & measuring instruments			10
	813	Limes			15
	817	Tiles & building ceramics			79
	821	Iron & steel basic products	60		62
	915	Road transport equipment		30	21
DANAO ESCALANTE PUBLIC WHARF, NEGROS ORIENTAL					
		Minor flows		5	10
	000	All other commodity		60	40
	125	Other seafood			10
	132	Milled rice		24	
	211	Meat		15	
	221	Flour & related products from grain		25	22
	226	Other food preparations		39	72
	235	Other alcoholic beverages		161	126
	412	Salt			272
	713	Soap & toiletries		19	37
	735	Household utensils		193	
TAMPI, SAN JOSE, NEGROS ORIENTAL					
	000	All other commodity		445	
	821	Iron & steel basic products		1,150	
PILIPINAS SHELL					
		Minor flows		3	
	000	All other commodity		76	
	915	Road transport equipment		30	
	916	Special purpose road vehicles		36	
OTHER MUNICIPAL PORTS NORTHERN SAMAR					
		Minor flows	3	14	
	000	All other commodity	6	287	
	132	Milled rice		500	
	142	Peas & beans		47	
	235	Other alcoholic beverages		55	
	412	Salt		16	210
	811	Cements		80	
	821	Iron & steel basic products	98	58	
LAOANG CAUSEWAY/WHARF NORTHERN SAMAR					

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TABLE D. 1
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT OUTWARD DOMESTIC CARGO FLOWS 1991-1993

(Continued)

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
		Minor flows	17	27	21
	000	All other commodity	51	134	203
	125	Other seafood	25	54	16
	132	Milled rice	2	286	190
	221	Flour & related products from grain	4	20	57
	224	Sugar	3	6	20
	226	Other food preparations	15	25	21
	227	Animal Feeds	1	21	12
	235	Other alcoholic beverages	105	180	181
	412	Salt	118	112	60
	424	Metal waste and scrap	29		
	724	Veneer & plywood		8	13
	811	Cements		133	32
	821	Iron & steel basic products	5	86	28
OTHER MUNICIPAL PORTS OCC. MINDORO					
		Minor flows	7		8
	311	Unprocessed wood (excluding firewood)	45		
	413	Sands & gravel	877		
	513	Gas oils	0		151
	811	Cements	160		
	821	Iron & steel basic products	105		
	825	Metal building parts	20		
	915	Road transport equipment	10		2
	916	Special purpose road vehicles	80	40	16
MAMBURAO (ILOG) WHARF ILOG, MAMBURAO, OCCIDENTAL MINDORO					
		Minor flows	67	24	2
	000	All other commodity	69	91	57
	114	Poultry	13		
	142	Peas & beans	21		
	212	Dairy products	19		
	221	Flour & related products from grain	68		
	227	Animal Feeds	3	26	
	233	Mineral water & aerated beverages			60
	234	Beer	711	329	338
	235	Other alcoholic beverages	105	15	
	250	Tobacco products	78	59	39
	311	Unprocessed wood (excluding firewood)	35		
	424	Metal waste and scrap		40	
	513	Gas oils	17		
	522	Lubricants	5	39	
	611	Organic chemicals		11	
	711	Paints, inks & coloring agents	12	3	
	716	Other chemical products	0	39	
	724	Veneer & plywood	57	4	0
	735	Household utensils	38	14	2
	811	Cements	94	217	58
	814	Building stone		20	
	821	Iron & steel basic products	103	228	2
	825	Metal building parts	34	2	
	915	Road transport equipment	30	23	1
	921	Furniture	20	26	
MAMBURAO (TAYAMANAN) CAUSEWAY TAYAMANAN, MAMBURAO,					
		Minor flows	83	50	
	000	All other commodity	74	67	1
	221	Flour & related products from grain	15	1	

TABLE D. 1

MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT OUTWARD

DOMESTIC CARGO FLOWS 1991-1993

(Continued)

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
	226	Other food preparations	29	4	
	234	Beer	474	85	131
	235	Other alcoholic beverages	68		
	250	Tobacco products	8	25	35
	412	Salt	79		
	513	Gas oils	14	11	40
	618	Other fertilizers	18		89
	711	Paints, inks & coloring agents	19	6	
	724	Veneer & plywood	66	6	
	735	Household utensils	84	8	
	811	Cements	75	112	
	821	Iron & steel basic products	64	23	
	825	Metal building parts	47	9	
	915	Road transport equipment	13	18	
	921	Furniture	8	21	
SABLAYAN CAUSEWAY/PIER SABLAYAN, OCCIDENTAL MINDORO					
		Minor flows	22	47	44
	000	All other commodity	270	433	454
	125	Other seafood	14	8	14
	132	Milled rice			409
	221	Flour & related products from grain	17		28
	224	Sugar	5	16	40
	226	Other food preparations	55	67	85
	227	Animal Feeds	5		99
	233	Mineral water & aerated beverages	49	57	20
	234	Beer	26		
	235	Other alcoholic beverages	132	512	693
	250	Tobacco products	25		86
	311	Unprocessed wood (excluding firewood)	17	10	
	412	Salt		16	10
	414	Marble			10
	615	Urea		50	
	618	Other fertilizers	159	481	691
	713	Soap & toiletries	13	16	22
	724	Veneer & plywood	10	24	65
	735	Household utensils	5	13	34
	811	Cements	47	201	123
	821	Iron & steel basic products	36	83	146
	915	Road transport equipment	12	5	15
SAN JOSE (CAMINAWIT), CAUSEWAY/PIER, MANGARIN, SAN JOSE,					
		Minor flows	29	51	31
	000	All other commodity	769	1,686	1,379
	125	Other seafood	177	156	215
	131	Palay	0	14	
	132	Milled rice	3	69	52
	197	Other agricultural commodities (n.e.s.)	1	2	12
	211	Meat	14	11	3
	212	Dairy products	84	93	137
	221	Flour & related products from grain	239	151	131
	223	Preserved fruits & products	91	14	37
	224	Sugar	270	181	120
	226	Other food preparations	531	363	363
	227	Animal Feeds	178	199	255
	231	Fruit & vegetable juices	81	69	15
	232	Processed coffee, cocoa & tea	15	8	0

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TABLE D. 1
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT OUTWARD DOMESTIC CARGO FLOWS 1991-1993

(Continued)

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
	233	Mineral water & aerated beverages	70	286	7
	234	Beer	653	1,081	243
	235	Other alcoholic beverages	1,008	1,387	825
	250	Tobacco products	177	218	33
	311	Unprocessed wood (excluding firewood)	62	121	71
	412	Salt	372	606	1,410
	413	Sands & gravel	2	34	15
	415	Limestone & dolomite	64		20
	419	Other non-metallic minerals	32	0	0
	424	Metal waste and scrap	0	10	0
	512	Kerosene	3	18	
	513	Gas oils	27	36	1
	522	Lubricants	88	28	31
	523	Other products	20	0	2
	611	Organic chemicals	22	32	15
	612	Inorganic chemicals	43	34	32
	615	Urea	307	392	228
	617	Phosphatic fertilizers		40	
	618	Other fertilizers	655	795	1,821
	711	Paints, inks & coloring agents	104	149	121
	712	Vitamins & pharmaceuticals	14	12	19
	713	Soap & toiletries	106	139	105
	714	Plastics	18	34	4
	715	Pest control products	27	12	3
	716	Other chemical products	21	103	82
	722	Tires	30	24	33
	723	Other rubber products	16	66	37
	724	Veneer & plywood	201	148	131
	725	Wood & cork products	23	30	32
	727	Textiles	56	41	69
	728	Apparel	37	10	19
	729	Carpets, blankets, other woven products	141	45	23
	735	Household utensils	263	397	335
	811	Cements	63	1,090	370
	812	Cement clinkers	32		
	813	Limes	621	890	240
	814	Building stone	8	20	13
	816	Bricks & blocks	4	191	79
	817	Tiles & building ceramics	3	6	41
	818	Glass & products (excluding bottles)	3	18	4
	819	Glass bottles	22	0	91
	821	Iron & steel basic products	755	916	917
	825	Metal building parts	98	107	71
	826	Building equipment	10	18	13
	913	Lighting & electrical parts	86	108	82
	915	Road transport equipment	52	126	216
	916	Special purpose road vehicles			22
	917	Other transport equipment & parts	10	56	8
	921	Furniture	27	25	20
	923	Washing & drying machines	3	2	11
	924	Refrigerators & freezers	22	15	13
	925	Other household equipment	13	18	10
TILIK CAUSEWAY/PIER LUBANG ISLAND, OCCIDENTAL MINDORO					
		Minor flows	47	82	67
	000	All other commodity	513	2,733	1,369

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TABLE D. 1

MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT OUTWARD

DOMESTIC CARGO FLOWS 1991-1993

(Continued)

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
	132	Milled rice	16		51
	133	Unmilled maize	35		
	142	Peas & beans	27		1
	155	Other vegetables	13	0	6
	221	Flour & related products from grain	228	59	53
	224	Sugar	298	258	229
	226	Other food preparations	45	25	56
	227	Animal Feeds	65	74	72
	233	Mineral water & aerated beverages	83	163	153
	234	Beer	146	204	238
	235	Other alcoholic beverages	73	49	58
	237	Other vegetable oils			24
	311	Unprocessed wood (excluding firewood)	70	50	38
	412	Salt	2	25	25
	413	Sands & gravel	1	53	8
	417	Coal, lignite, bitumen, peat, shale			10
	419	Other non-metallic minerals	1		11
	511	Gasoline & aviation fuel	5	3	47
	512	Kerosene	67	23	26
	513	Gas oils	349	494	922
	522	Lubricants	10	416	119
	523	Other products	17	24	14
	615	Urea	55	30	53
	618	Other fertilizers	313	266	257
	714	Plastics	22	9	
	724	Veneer & plywood	24	51	27
	725	Wood & cork products	19	5	0
	735	Household utensils	37	33	13
	811	Cements	917	1,028	1,374
	821	Iron & steel basic products	90	201	124
	825	Metal building parts	193	94	20
	915	Road transport equipment	6	53	42
	916	Special purpose road vehicles			22
SAN JOSE DECK & WAREHOUSING INC. WHARF, SAN JOSE, OCCIDEN					
		Minor flows	69	31	52
	000	All other commodity	153	42	80
	221	Flour & related products from grain	1	8	67
	224	Sugar	19	10	18
	226	Other food preparations	38	12	27
	227	Animal Feeds	13	11	39
	231	Fruit & vegetable juices	22		1
	235	Other alcoholic beverages	50	53	98
	412	Salt	452	80	
	513	Gas oils		12	
	522	Lubricants	11	30	8
	615	Urea	25	50	
	618	Other fertilizers	5	221	22
	711	Paints, inks & coloring agents	16	2	5
	712	Vitamins & pharmaceuticals	11		3
	713	Soap & toiletries	22		10
	716	Other chemical products	15		51
	724	Veneer & plywood	8	2	15
	727	Textiles	11	1	5
	735	Household utensils	15	21	62
	811	Cements	91		160

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TABLE D. 1
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT OUTWARD DOMESTIC CARGO FLOWS 1991-1993

(Continued)

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
	813	Limes	16		13
	817	Tiles & building ceramics			25
	821	Iron & steel basic products	65	15	92
	915	Road transport equipment	8	12	16
	917	Other transport equipment & parts		17	1
CALAPAN, ORIENTAL MINDORO					
		Minor flows	2		
OTHER MUNICIPAL PORTS ORR, MINDORO					
		Minor flows		8	5
	311	Unprocessed wood (excluding firewood)		10	
	413	Sands & gravel	1,008		
	513	Gas oils			127
	821	Iron & steel basic products	16	84	1
PUERTO GALERA, ORIENTAL MINDORO					
		Minor flows	18		
	000	All other commodity	11		
	412	Salt	24		
	811	Cements	26		
ROXAS (DANGAY), ORIENTAL MINDORO					
		Minor flows	37		
	000	All other commodity	128		
	212	Dairy products	88		
	227	Animal Feeds	36		
	234	Beer	36		
	235	Other alcoholic beverages	39		
	735	Household utensils	11		
PUERTO PRINCESA CITY, PALAWAN					
		Minor flows	31	63	11
	000	All other commodity	8,162	16,949	21,456
	114	Poultry	15	3	40
	121	Fish, fresh or chilled		38	24
	125	Other seafood	226	304	175
	132	Milled rice	2,508	570	689
	133	Unmilled maize	1	2	63
	141	Potatoes	59	96	68
	142	Peas & beans	131	67	200
	146	Fieldcrop legumes	13	13	2
	151	Tomatoes	49	115	91
	152	Onions & shallots	408	916	1,041
	153	Root vegetables	6	6	15
	154	Leafy vegetables	110	355	373
	155	Other vegetables	135	131	90
	161	Citrus fruit	6	29	34
	162	Bananas	10		
	163	Temperate fruits	33	61	45
	166	Melons & papaya	13		
	167	Other fresh fruit	11	22	13
	191	Cut flowers	4	5	11
	192	Other oil seeds	12	46	1
	193	Other spices	3	4	16
	197	Other agricultural commodities (n.e.s.)	27	17	317
	211	Meat	115	132	57
	212	Dairy products	2,455	3,165	4,459
	213	Eggs	437	397	292
	221	Flour & related products from grain	4,059	5,289	9,103

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TABLE D. 1
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT OUTWARD
DOMESTIC CARGO FLOWS 1991-1993

(Continued)

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
	222	Other field crop & vegetable meal, etc.	31	20	231
	223	Preserved fruits & products	17	5	1
	224	Sugar	1,156	264	166
	225	Molasses & related products	2	21	1
	226	Other food preparations	4,192	3,057	2,795
	227	Animal Feeds	420	844	721
	231	Fruit & vegetable juices	116	335	318
	232	Processed coffee, cocoa & tea	251	180	631
	233	Mineral water & aerated beverages	920	335	14
	234	Beer	3,184	4,573	4,275
	235	Other alcoholic beverages	4,133	3,664	4,439
	250	Tobacco products	1,911	1,930	1,726
	311	Unprocessed wood (excluding firewood)	12	31	10
	412	Salt	301	397	604
	413	Sands & gravel	28	88	22
	414	Marble	76	58	42
	416	Building stone	54	5	
	417	Coal, lignite, bitumen, peat, shale	102	24	79
	418	Petroleum		18	
	419	Other non-metallic minerals	1	28	3
	511	Gasoline & aviation fuel	130	65	111
	512	Kerosene	39	196	20
	513	Gas oils	436	161	147
	522	Lubricants	1,126	1,589	1,385
	523	Other products	405	977	1,070
	611	Organic chemicals	34	11	8
	612	Inorganic chemicals	467	522	439
	615	Urea	25		
	617	Phosphatic fertilizers	110		
	618	Other fertilizers	585	183	93
	619	Petrochemicals	19	13	29
	711	Paints, inks & coloring agents	93	28	43
	712	Vitamins & pharmaceuticals	818	738	717
	713	Soap & toiletries	1,861	2,323	1,652
	714	Plastics	59	34	41
	715	Pest control products	49	109	48
	716	Other chemical products	151	66	118
	722	Tires	406	259	272
	723	Other rubber products	63	33	15
	724	Veneer & plywood	462	697	332
	725	Wood & cork products	457	947	774
	727	Textiles	250	197	123
	728	Apparel	445	325	283
	729	Carpets, blankets, other woven products	225	253	83
	731	Trunks, suitcases & handbags	15	4	20
	732	Medical & optical instruments	26	62	12
	733	Meters & measuring instruments	11	7	1
	734	Photographic equipment & materials	10	6	5
	735	Household utensils	1,932	2,560	2,758
	811	Cements	146	325	1,079
	814	Building stone	167	142	51
	816	Bricks & blocks	17	54	14
	817	Tiles & building ceramics	113	34	11
	818	Glass & products (excluding bottles)	25	123	94
	819	Glass bottles	15	95	17

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TABLE D. 1
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT OUTWARD DOMESTIC CARGO FLOWS 1991-1993

(Continued)

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
	821	Iron & steel basic products	1,719	1,716	1,307
	823	Aluminum products	23	36	6
	824	Other metal products	2	1	19
	825	Metal building parts	1,406	404	627
	826	Building equipment	20	18	40
	911	Office equipment	8	31	5
	912	Communications equipment	69	54	69
	913	Lighting & electrical parts	494	350	460
	915	Road transport equipment	1,439	1,838	1,684
	916	Special purpose road vehicles	102	70	200
	917	Other transport equipment & parts	47	37	46
	918	Other equipment & parts	8	13	21
	921	Furniture	153	226	1,073
	922	Lamps	3	16	6
	923	Washing & drying machines	30	5	79
	924	Refrigerators & freezers	149	312	527
	925	Other household equipment	378	357	217
CULION, CULION COLONY, PALAWAN					
		Minor flows	22	20	27
	000	All other commodity	13	22	15
	132	Milled rice	85		
	235	Other alcoholic beverages	13		
	513	Gas oils			46
	811	Cements	9		15
	821	Iron & steel basic products	0	73	
OTHER MUNICIPAL PORTS PALAWAN					
		Minor flows	46	13	42
	000	All other commodity	869	909	1,233
	125	Other seafood	11	13	4
	132	Milled rice	345	209	55
	155	Other vegetables	14		1
	167	Other fresh fruit	10	1	
	197	Other agricultural commodities (n.e.s.)	1	1	65
	212	Dairy products	215	70	11
	221	Flour & related products from grain	111	72	56
	224	Sugar	204	183	71
	225	Molasses & related products		950	
	226	Other food preparations	116	101	30
	227	Animal Feeds	47	19	6
	233	Mineral water & aerated beverages	237	162	130
	234	Beer	447	260	169
	235	Other alcoholic beverages	256	141	66
	250	Tobacco products	163	5	5
	311	Unprocessed wood (excluding firewood)	19	27	2
	412	Salt	233	198	123
	511	Gasoline & aviation fuel	103	98	76
	512	Kerosene	80	136	53
	513	Gas oils	154	134	97
	522	Lubricants	511	65	65
	523	Other products	8	9	19
	611	Organic chemicals	13	14	
	612	Inorganic chemicals	17	0	12
	618	Other fertilizers	38	2	
	712	Vitamins & pharmaceuticals	32	32	0
	713	Soap & toiletries	277	38	16

TABLE D. 1

MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT OUTWARD

DOMESTIC CARGO FLOWS 1991-1993

(Continued)

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
	715	Pest control products	11	11	
	716	Other chemical products	13	0	
	722	Tires	176		
	724	Veneer & plywood	39	41	55
	725	Wood & cork products	47	41	22
	728	Apparel	24	17	1
	729	Carpets, blankets, other woven products	13	2	1
	735	Household utensils	141	132	203
	811	Cements	401	253	521
	817	Tiles & building ceramics	0		135
	818	Glass & products (excluding bottles)	0		12
	821	Iron & steel basic products	42	36	169
	825	Metal building parts	42	34	166
	913	Lighting & electrical parts	53	32	92
	915	Road transport equipment	62	21	45
	916	Special purpose road vehicles	135		
BATARAZA, PALAWAN					
		Minor flows	1		
BROOKE'S PT. CAUSEWAY, PALAWAN					
		Minor flows	24	22	23
	000	All other commodity	37	9	107
	412	Salt	12		
	618	Other fertilizers	25	195	25
	724	Veneer & plywood	1		26
	811	Cements			24
BUSUANGA CONCEPCION CAUSEWAY BUSUANGA ISLAND, PALAWAN					
		Minor flows	28	22	
	000	All other commodity	5	24	
	132	Milled rice	64	785	
	416	Building stone	77		
	513	Gas oils	22		
	811	Cements	12	8	
	821	Iron & steel basic products	13	209	
	915	Road transport equipment	4	37	
	916	Special purpose road vehicles		10	
CORON CAUSEWAY/WHARF, PALAWAN					
		Minor flows	45	50	75
	000	All other commodity	386	1,058	1,151
	121	Fish, fresh or chilled			101
	132	Milled rice	159	227	298
	155	Other vegetables	14	7	33
	212	Dairy products	1	40	
	221	Flour & related products from grain	187	149	62
	224	Sugar	88	68	21
	226	Other food preparations	108	42	56
	227	Animal Feeds	46	40	18
	233	Mineral water & aerated beverages	340	578	416
	234	Beer	199	275	449
	235	Other alcoholic beverages	248	243	339
	250	Tobacco products	71	44	38
	311	Unprocessed wood (excluding firewood)	0	28	4
	412	Salt	4	3	308
	417	Coal, lignite, bitumen, peat, shale			200
	511	Gasoline & aviation fuel	51	82	98
	512	Kerosene	41	130	67

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TABLE D. 1
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT OUTWARD DOMESTIC CARGO FLOWS 1991-1993

(Continued)

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
	513	Gas oils	281	244	461
	522	Lubricants	9	120	124
	523	Other products	16	13	49
	618	Other fertilizers	1	61	6
	711	Paints, inks & coloring agents	7	16	12
	713	Soap & toiletries	2	10	19
	724	Veneer & plywood	52	63	133
	725	Wood & cork products	6	6	32
	727	Textiles	2	3	12
	735	Household utensils	276	640	826
	811	Cements	689	609	503
	814	Building stone		10	
	819	Glass bottles	2	3	20
	821	Iron & steel basic products	76	156	104
	825	Metal building parts	9	40	52
	913	Lighting & electrical parts	8	26	4
	915	Road transport equipment	26	19	64
	916	Special purpose road vehicles			10
CUYO CAUSEWAY & TIMBER LANDING PALAWAN					
		Minor flows	64	29	37
	000	All other commodity	142	258	259
	121	Fish, fresh or chilled	2		22
	125	Other seafood	14		
	132	Milled rice	17	1	30
	173	Cashew nuts	25	5	
	192	Other oil seeds	11		
	221	Flour & related products from grain	53	6	10
	224	Sugar	35		6
	226	Other food preparations	28	2	25
	231	Fruit & vegetable juices	12		
	233	Mineral water & aerated beverages	15	23	23
	234	Beer	131	21	29
	235	Other alcoholic beverages	226	181	273
	413	Sands & gravel	32		
	511	Gasoline & aviation fuel	11	12	97
	512	Kerosene	45	10	8
	513	Gas oils	2	37	40
	522	Lubricants	4	118	44
	523	Other products	7	18	24
	724	Veneer & plywood	18	52	34
	729	Carpets, blankets, other woven products	35		1
	735	Household utensils	12	63	194
	811	Cements	571	611	501
	821	Iron & steel basic products	90	90	95
	915	Road transport equipment	32	11	10
	921	Furniture	10	6	10
LINAPACAN CAUSEWAY, PALAWAN					
		Minor flows	14	24	12
	000	All other commodity	21	107	93
	132	Milled rice	31	37	19
	221	Flour & related products from grain		16	14
	234	Beer	1	9	181
	412	Salt	5	62	29
	511	Gasoline & aviation fuel		22	14
	512	Kerosene	1	15	9

TABLE D. 1
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT OUTWARD
DOMESTIC CARGO FLOWS 1991-1993

(Continued)

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
	513	Gas oils	3	19	15
	618	Other fertilizers		50	
	735	Household utensils		12	2
	811	Cements	21	16	27
NARRA CAUSEWAY					
		Minor flows	0	11	
	311	Unprocessed wood (excluding firewood)		21	
	618	Other fertilizers	61	50	
	821	Iron & steel basic products	0	68	
	916	Special purpose road vehicles		20	
ROXAS TIMBER LANDING, PALAWAN					
		Minor flows	68	56	44
	000	All other commodity	111	202	177
	125	Other seafood	17	21	11
	132	Milled rice	114		3
	221	Flour & related products from grain	183	107	85
	224	Sugar	440	182	18
	226	Other food preparations	142	42	217
	234	Beer	1	3	238
	235	Other alcoholic beverages	234	155	286
	412	Salt	99	195	136
	413	Sands & gravel		17	
	618	Other fertilizers	48	25	
	724	Veneer & plywood	50	17	12
	735	Household utensils	48	11	37
	811	Cements	83	129	132
	821	Iron & steel basic products	52	17	86
	825	Metal building parts	11		0
	915	Road transport equipment	40		
TAYTAY CAUSEWAY, PALAWAN					
		Minor flows	26	21	9
	000	All other commodity	149	201	91
	132	Milled rice	28	49	
	221	Flour & related products from grain	12	1	4
	233	Mineral water & aerated beverages	80	46	23
	234	Beer	76	63	297
	235	Other alcoholic beverages	11	28	22
	412	Salt	109	148	89
	511	Gasoline & aviation fuel	21	37	13
	512	Kerosene	58	36	12
	513	Gas oils	152	103	22
	811	Cements	35	49	1
	821	Iron & steel basic products	14	1	1
	825	Metal building parts	13	13	4
	917	Other transport equipment & parts		16	
TAYTAY-LIMINANGCONG CAUSEWAY PALAWAN					
		Minor flows	19	13	40
	000	All other commodity	240	418	303
	121	Fish, fresh or chilled			33
	132	Milled rice	116	56	30
	221	Flour & related products from grain	36	48	28
	224	Sugar	14	41	49
	226	Other food preparations	7	9	104
	233	Mineral water & aerated beverages	132	107	92
	234	Beer	223	95	111

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TABLE D. 1
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT OUTWARD DOMESTIC CARGO FLOWS 1991-1993

(Continued)

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
	235	Other alcoholic beverages	18	40	38
	412	Salt	374	423	579
	511	Gasoline & aviation fuel	84	51	48
	512	Kerosene	58	54	95
	513	Gas oils	65	167	100
	522	Lubricants		14	7
	612	Inorganic chemicals	6	25	10
	725	Wood & cork products	27	16	33
	735	Household utensils	41	88	72
	811	Cements	90	144	257
	825	Metal building parts	21	27	35
	917	Other transport equipment & parts		1	27
OTHER PRIVATE PORTS PALAWAN					
		Minor flows			11
	000	All other commodity		5	200
	513	Gas oils			30
	618	Other fertilizers			10
	811	Cements			229
	913	Lighting & electrical parts			23
PAGDANAN TIMBER PRODUCTS INCORPORATED PORT BARTON, SAN VI					
		Minor flows	2		
PALAWAN APITONG CORPORATION STA. LUCIA PORT, PUERTO PRINC					
		Minor flows		80	
	000	All other commodity		323	
	163	Temperate fruits		10	
	212	Dairy products		25	
	221	Flour & related products from grain		38	
	226	Other food preparations		34	
	227	Animal Feeds		27	
	235	Other alcoholic beverages		31	
	511	Gasoline & aviation fuel		13	
	513	Gas oils		18	
	523	Other products		14	
	713	Soap & toiletries		28	
	725	Wood & cork products		20	
	735	Household utensils		18	
	821	Iron & steel basic products		26	
	915	Road transport equipment		47	
PALAWAN LUMBER MFG. CORPORATION PUERTO PRINCESA CITY, PAL					
		Minor flows	12		
	000	All other commodity	13		
	412	Salt	20		
PHILAND TIMBER INCORPORATED PANAKAN, NAWA, PALAWAN					
		Minor flows	1		
TAGBITA SILICA INDUSTRIES INCORPORATED TAGBITA, QUEZON, P					
		Minor flows		5	
OTHER MUNICIPAL PORTS QUEZON					
	000	All other commodity			50
	915	Road transport equipment			112
	916	Special purpose road vehicles			10
COTTA, LUCENA CITY					
	000	All other commodity			307
	915	Road transport equipment			155
	916	Special purpose road vehicles			25
PAGBILAO (TOMBOC RIVER)					

TABLE D. 1

MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT OUTWARD

DOMESTIC CARGO FLOWS 1991-1993

(Continued)

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
		Minor flows			9
	000	All other commodity			80
	915	Road transport equipment			51
	916	Special purpose road vehicles			21
POLILLO CAUSEWAY/PIER APPROACH, POLILLO ISLAND, QUEZON					
	915	Road transport equipment		13	
TAGKAWAYAN CAUSEWAY TAGKAWAYAN, QUEZON					
	000	All other commodity		10	
OTHER MUNICIPAL PORTS ROMBLON					
		Minor flows	52	97	71
	000	All other commodity	232	322	285
	125	Other seafood	114	54	11
	132	Milled rice	7	34	127
	151	Tomatoes		11	14
	152	Onions & shallots	5	8	10
	155	Other vegetables	2	5	18
	162	Bananas	20	0	0
	212	Dairy products	24	6	1
	221	Flour & related products from grain	160	38	23
	224	Sugar	99	28	1
	226	Other food preparations	314	21	28
	227	Animal Feeds	46	8	2
	233	Mineral water & aerated beverages	205	244	59
	234	Beer	2,148	1,301	549
	235	Other alcoholic beverages	517	408	70
	250	Tobacco products	37	92	2
	311	Unprocessed wood (excluding firewood)	43	175	79
	412	Salt	212	238	39
	417	Coal, lignite, bitumen, peat, shale		12	
	511	Gasoline & aviation fuel	13	74	40
	512	Kerosene	47	38	7
	513	Gas oils	109	78	60
	522	Lubricants	81	52	44
	523	Other products	98	141	102
	611	Organic chemicals	12	3	0
	615	Urea	13	7	
	618	Other fertilizers	88	250	107
	711	Paints, inks & coloring agents	6	12	9
	712	Vitamins & pharmaceuticals	4	14	3
	713	Soap & toiletries	48	15	5
	714	Plastics	0	1	10
	722	Tires	6	10	11
	724	Veneer & plywood	62	78	205
	725	Wood & cork products	13	6	3
	727	Textiles	1	11	7
	728	Apparel	12	14	14
	729	Carpets, blankets, other woven products	15	9	7
	733	Meters & measuring instruments	10	0	12
	735	Household utensils	92	64	70
	811	Cements	244	516	508
	821	Iron & steel basic products	476	519	321
	825	Metal building parts	3	36	32
	913	Lighting & electrical parts	9	13	10
	915	Road transport equipment	39	73	96
	917	Other transport equipment & parts	24	16	7

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TABLE D. 1
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT OUTWARD DOMESTIC CARGO FLOWS 1991-1993

(Continued)

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
	921	Furniture	15	22	14
	924	Refrigerators & freezers	14	46	12
ROMBLON,ROMBLON					
		Minor flows	86	26	105
	000	All other commodity	147	42	228
	132	Milled rice	116	15	38
	151	Tomatoes	0	1	17
	155	Other vegetables	25	0	7
	221	Flour & related products from grain	6	2	17
	223	Preserved fruits & products	0	1	11
	226	Other food preparations	52	8	23
	233	Mineral water & aerated beverages	310	180	181
	234	Beer	573	42	116
	235	Other alcoholic beverages	85	17	76
	250	Tobacco products	1	25	2
	311	Unprocessed wood (excluding firewood)	7	20	11
	412	Salt	19	1	5
	413	Sands & gravel			31
	414	Marble	0		135
	511	Gasoline & aviation fuel	19	11	13
	512	Kerosene	33	7	19
	513	Gas oils	98	24	285
	522	Lubricants	24	3	9
	523	Other products	47	21	16
	712	Vitamins & pharmaceuticals	10	3	4
	713	Soap & toiletries	31	0	2
	724	Veneer & plywood	31	6	12
	728	Apparel	11	1	10
	735	Household utensils	47	4	105
	811	Cements	95	309	400
	819	Glass bottles	12		6
	821	Iron & steel basic products	456	104	60
	825	Metal building parts	11	2	10
	913	Lighting & electrical parts	23	2	14
	915	Road transport equipment	32	10	42
	916	Special purpose road vehicles			29
	921	Furniture	22	5	11
	924	Refrigerators & freezers	11	3	10
CATBALOGAN, WESTERN SAMAR					
		Minor flows	45	68	57
	000	All other commodity	59	556	227
	125	Other seafood	193	133	59
	132	Milled rice	2,857	4,557	2,106
	152	Onions & shallots	27	81	16
	212	Dairy products	81	110	2
	221	Flour & related products from grain	44	72	10
	226	Other food preparations	22	54	58
	227	Animal Feeds		13	4
	234	Beer	6,693	8,117	4,821
	235	Other alcoholic beverages	42	218	21
	250	Tobacco products	342	785	637
	311	Unprocessed wood (excluding firewood)		291	
	412	Salt	2,072	80	510
	513	Gas oils		124	
	522	Lubricants	35	38	43

TABLE D. 1

MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT OUTWARD

DOMESTIC CARGO FLOWS 1991-1993

(Continued)

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
	612	Inorganic chemicals	0	14	10
	712	Vitamins & pharmaceuticals	8	114	36
	713	Soap & toiletries	20	149	51
	722	Tires	4	24	3
	725	Wood & cork products	0	20	1
	727	Textiles	16	2	5
	728	Apparel	2	21	26
	729	Carpets, blankets, other woven products		202	3
	733	Meters & measuring instruments		264	
	735	Household utensils	17	65	32
	817	Tiles & building ceramics	27	2	
	821	Iron & steel basic products	39	79	47
	823	Aluminum products	0		44
	825	Metal building parts	55	18	5
	912	Communications equipment	13	4	3
	913	Lighting & electrical parts	79	75	107
	915	Road transport equipment	78	12	26
	921	Furniture	8	13	15
	924	Refrigerators & freezers	4	16	10
CALBAYOG, WESTERN SAMAR					
		Minor flows	38	19	9
	125	Other seafood	48	21	
	132	Milled rice	1,020	814	934
	221	Flour & related products from grain	113		98
	235	Other alcoholic beverages	7		10
	250	Tobacco products	50		
	412	Salt	1,344	1,347	1,070
	821	Iron & steel basic products	71		10
OTHER MUNICIPAL PORTS WESTERN SAMAR					
		Minor flows			7
	725	Wood & cork products			12
OTHER MUNICIPAL PORTS SIQUIJOR					
		Minor flows			4
	000	All other commodity			252
	821	Iron & steel basic products			35
	915	Road transport equipment			10
BULAN (SUBPORT) SORSOGON					
		Minor flows	4		
	250	Tobacco products	16		
OTHER MUNICIPAL PORTS SORSOGON					
	419	Other non-metallic minerals	994		
	915	Road transport equipment		32	
SORSOGON CAUSEWAY/LANDING SORSOGON, SORSOGON					
		Minor flows			2
	000	All other commodity			38
	915	Road transport equipment			47
MAKAR WHARF, GEN. SANTOS CITY SOUTH COTABATO					
		Minor flows	37	40	51
	000	All other commodity	12,877	22,713	33,101
	113	Swine		12	
	121	Fish, fresh or chilled		1	25
	122	Fish, preserved	3	8	22
	123	Frozen shellfish	100		1
	125	Other seafood	1,009	1,803	1,294
	132	Milled rice	110	65	57

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TABLE D. 1
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT OUTWARD DOMESTIC CARGO FLOWS 1991-1993

(Continued)

DESTINATION	COMMODITY	CARGO (MT) 1991	1992	1993
133	Unmilled maize	21	26	49
141	Potatoes	1	18	4
142	Peas & beans	19	4	9
143	Root crops	0	26	0
145	Tobacco	2	16	4
146	Fieldcrop legumes	130	231	131
151	Tomatoes	1	28	
152	Onions & shallots	730	561	1,264
155	Other vegetables	49	59	125
161	Citrus fruit	2	11	16
163	Temperate fruits	43	11	16
167	Other fresh fruit		17	54
192	Other oil seeds	5	64	0
211	Meat	161	242	61
212	Dairy products	2,315	3,222	2,586
216	Other animal products			37
221	Flour & related products from grain	1,477	2,055	3,120
222	Other field crop & vegetable meal, etc.	22	95	37
223	Preserved fruits & products	37	126	16
224	Sugar	339	864	3
226	Other food preparations	2,047	2,244	1,365
227	Animal Feeds	1,725	1,505	1,415
231	Fruit & vegetable juices	123	70	38
232	Processed coffee, cocoa & tea	233	321	406
233	Mineral water & aerated beverages	70	112	13
234	Beer	1,470	2,009	195
235	Other alcoholic beverages	4,173	4,810	3,823
237	Other vegetable oils	113	53	30
246	By products & residue of cotton	8	4	25
250	Tobacco products	2,738	2,430	1,604
311	Unprocessed wood (excluding firewood)	75	18	27
412	Salt	3,303	1,859	2,753
414	Marble	17	18	16
416	Building stone	4	15	
417	Coal, lignite, bitumen, peat, shale	1	0	226
419	Other non-metallic minerals	3	17	23
511	Gasoline & aviation fuel	35	138	9
512	Kerosene		0	46
513	Gas oils	64	181	31
522	Lubricants	968	1,401	1,326
523	Other products	13	103	121
611	Organic chemicals	6	6	10
612	Inorganic chemicals	225	87	40
618	Other fertilizers	228	86	35
619	Petrochemicals	5	8	51
711	Paints, inks & coloring agents	20	60	204
712	Vitamins & pharmaceuticals	720	618	530
713	Soap & toiletries	1,330	1,106	1,035
714	Plastics	18	26	48
715	Pest control products	17	48	52
716	Other chemical products	45	168	97
722	Tires	170	283	456
723	Other rubber products	30	59	53
724	Veneer & plywood	17	14	144
725	Wood & cork products	89	301	242

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TABLE D. 1

MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT OUTWARD

DOMESTIC CARGO FLOWS 1991-1993

(Continued)

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
	727	Textiles	455	1,094	1,469
	728	Apparel	712	928	842
	729	Carpets, blankets, other woven products	165	179	185
	732	Medical & optical instruments	43	67	26
	733	Meters & measuring instruments	11	1	5
	734	Photographic equipment & materials	13	0	0
	735	Household utensils	3,433	4,309	4,016
	811	Cements		8	53
	814	Building stone	51	108	144
	816	Bricks & blocks	1	113	44
	817	Tiles & building ceramics	1	50	136
	818	Glass & products (excluding bottles)	108	200	96
	819	Glass bottles	131	11	63
	821	Iron & steel basic products	2,298	6,105	8,008
	822	Copper products	22	3	8
	823	Aluminum products	22	21	54
	824	Other metal products	49	0	12
	825	Metal building parts	1,125	920	1,250
	826	Building equipment	9	71	68
	911	Office equipment	15	6	10
	912	Communications equipment	9	16	57
	913	Lighting & electrical parts	632	751	258
	914	Medical diagnostic equuipment	12		
	915	Road transport equipment	2,877	3,087	2,623
	916	Special purpose road vehicles	18	58	5
	917	Other transport equipment & parts	2	282	25
	921	Furniture	232	156	49
	924	Refrigerators & freezers	70	18	167
	925	Other household equipment	76	139	20
MAASIN, SOUTHERN LEYTE					
		Minor flows	8	36	14
	000	All other commodity	6	25	8
	152	Onions & shallots		11	0
	733	Meters & measuring instruments		17	1
	735	Household utensils		14	2
	917	Other transport equipment & parts		11	
OTHER MUNICIPAL PORTS SOUTHERNN LEYTE					
		Minor flows	14	7	3
	000	All other commodity	23	4	1
	716	Other chemical products	33		
	735	Household utensils	39	1	1
	824	Other metal products	78		
	825	Metal building parts	11		
	917	Other transport equipment & parts	10		
JOLO, SULU					
		Minor flows			3
	221	Flour & related products from grain			14
SURIGAO CITY, SURIGAO DEL NORTE					
		Minor flows	70	84	53
	000	All other commodity	1,264	918	989
	125	Other seafood	91	188	207
	132	Milled rice	72	1,225	1,146
	133	Unmilled maize	16		
	152	Onions & shallots	23	28	90
	212	Dairy products	1	12	3

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TABLE D. 1

MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT OUTWARD DOMESTIC CARGO FLOWS 1991-1993

(Continued)

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
	221	Flour & related products from grain	390	293	264
	226	Other food preparations	328	187	74
	227	Animal Feeds		16	18
	231	Fruit & vegetable juices	5	17	17
	233	Mineral water & aerated beverages	1	0	42
	234	Beer	192	528	1
	235	Other alcoholic beverages	1		20
	250	Tobacco products	424	206	107
	412	Salt	638	148	71
	522	Lubricants	21	129	31
	612	Inorganic chemicals	121	391	5
	618	Other fertilizers		64	
	711	Paints, inks & coloring agents	4	35	30
	712	Vitamins & pharmaceuticals	66	31	9
	713	Soap & toiletries	208	163	75
	714	Plastics	1	10	1
	716	Other chemical products	2	34	2
	722	Tires	6	47	40
	723	Other rubber products	0	23	20
	724	Veneer & plywood	13	4	3
	725	Wood & cork products	5	25	13
	727	Textiles	230	153	134
	728	Apparel	111	159	175
	735	Household utensils	82	175	194
	811	Cements	6	228	
	814	Building stone			10
	816	Bricks & blocks		19	1
	817	Tiles & building ceramics		20	
	818	Glass & products (excluding bottles)	1	21	1
	821	Iron & steel basic products	704	378	501
	825	Metal building parts	18	45	14
	911	Office equipment	25	1	0
	912	Communications equipment	20	32	2
	913	Lighting & electrical parts	35	22	10
	915	Road transport equipment	24	94	68
	921	Furniture	1	2	39
	924	Refrigerators & freezers	2	92	26
	925	Other household equipment	1	13	12
OTHER MUNICIPAL PORTS SURIGAO DEL NORTE					
	413	Sands & gravel	3,461		
LORETO, DINAGAT ISLAND SURIGAO DEL NORTE					
	916	Special purpose road vehicles	20		
MARINDUQUE MINING & INDUSTRIAL CORP. SURIGAO NICKEL REFINER					
	733	Meters & measuring instruments	15		
BISLIG (MANGAGOY), SURIGAO DEL SUR					
		Minor flows	39	44	20
	000	All other commodity	660	5,145	443
	212	Dairy products		13	
	221	Flour & related products from grain	15	118	10
	222	Other field crop & vegetable meal, etc.		162	
	226	Other food preparations	130	64	21
	233	Mineral water & aerated beverages		20	
	311	Unprocessed wood (excluding firewood)	106		
	322	Natural gums	12	12	
	412	Salt			29

TABLE D. 1

MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT OUTWARD

DOMESTIC CARGO FLOWS 1991-1993

(Continued)

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
	512	Kerosene	3	31	
	513	Gas oils	73		54
	522	Lubricants	315	749	114
	611	Organic chemicals	1	16	
	612	Inorganic chemicals	2,488	4,138	1,501
	616	Other nitrogenous fertilizers	301		
	619	Petrochemicals	6	16	
	711	Paints, inks & coloring agents	55	206	5
	713	Soap & toiletries	5	48	1
	714	Plastics	85	0	5
	716	Other chemical products	432	943	272
	722	Tires	85	171	11
	723	Other rubber products	26	112	2
	725	Wood & cork products	412	13	4
	727	Textiles	108	213	11
	729	Carpets, blankets, other woven products		25	
	732	Medical & optical instruments	10	4	
	733	Meters & measuring instruments	2	18	4
	735	Household utensils	89	123	6
	817	Tiles & building ceramics	20	15	7
	821	Iron & steel basic products	669	913	156
	823	Aluminum products	5	24	
	825	Metal building parts	176	503	16
	913	Lighting & electrical parts	63	167	7
	915	Road transport equipment	190	325	61
	916	Special purpose road vehicles	99	88	
	918	Other equipment & parts		11	2
CANTILAN (CONSUELO) CAUSEWAY SURIGAO DEL SUR					
		Minor flows		3	24
	000	All other commodity		3	87
	221	Flour & related products from grain			16
	716	Other chemical products			67
	722	Tires		11	3
	821	Iron & steel basic products		3	11
	915	Road transport equipment			19
	916	Special purpose road vehicles			24
PAPER INDUSTRIES CORP. OF THE PHIL. (PICOP), MANGAGOY, BISL					
		Minor flows	62	16	40
	000	All other commodity	3,799	1,097	408
	221	Flour & related products from grain	256	10	185
	222	Other field crop & vegetable meal, etc.	107		8
	223	Preserved fruits & products		25	
	226	Other food preparations	194	45	15
	316	Wood pulp	1,448		71
	322	Natural gums		20	
	512	Kerosene		6	43
	513	Gas oils	49		16
	522	Lubricants	314	258	271
	612	Inorganic chemicals	4,823	779	2,742
	616	Other nitrogenous fertilizers			10
	619	Petrochemicals		7	22
	711	Paints, inks & coloring agents	46	6	25
	714	Plastics	25	5	6
	716	Other chemical products	466	149	5,443
	722	Tires	125	322	33

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TABLE D. 1

MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT OUTWARD DOMESTIC CARGO FLOWS 1991-1993

(Continued)

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
	723	Other rubber products	13	1	15
	727	Textiles	66	38	16
	735	Household utensils	13	7	15
	817	Tiles & building ceramics	55	16	
	821	Iron & steel basic products	894	192	204
	825	Metal building parts	137	75	1,745
	913	Lighting & electrical parts	47	8	17
	915	Road transport equipment	57	83	92
	916	Special purpose road vehicles	14	23	
SUBIC, ZAMBALES SUB-PORT					
	513	Gas oils	840		
OTHER OTHER NATIONAL PORTS ZAMBOANGA DEL NORTE					
		Minor flows	26		5
	000	All other commodity			11
	125	Other seafood	11		
	152	Onions & shallots			11
OTHER MUNICIPAL PORTS ZAMBOANGA DEL NORTE					
		Minor flows	50	56	60
	000	All other commodity	1,587	2,962	2,820
	125	Other seafood	115	292	144
	132	Milled rice	70	2	
	133	Unmilled maize	145	1	
	142	Peas & beans	10	8	2
	151	Tomatoes		15	
	152	Onions & shallots	20	133	172
	155	Other vegetables	6	10	18
	212	Dairy products	20	16	30
	221	Flour & related products from grain	583	858	303
	222	Other field crop & vegetable meal, etc.		6	13
	226	Other food preparations	308	655	109
	227	Animal Feeds	20	29	1
	231	Fruit & vegetable juices	1	19	5
	232	Processed coffee, cocoa & tea	4	21	22
	233	Mineral water & aerated beverages	1	17	10
	234	Beer	37		
	235	Other alcoholic beverages	482	741	900
	250	Tobacco products	42	22	150
	412	Salt	3,571	1,680	1,005
	413	Sands & gravel		21	2
	414	Marble	26		1
	417	Coal, lignite, bitumen, peat, shale	0	4	33
	419	Other non-metallic minerals	53	55	56
	511	Gasoline & aviation fuel		1	227
	522	Lubricants	138	230	410
	523	Other products	442		883
	612	Inorganic chemicals	4	8	36
	711	Paints, inks & coloring agents	4	31	23
	712	Vitamins & pharmaceuticals	18	55	21
	713	Soap & toiletries	109	242	58
	714	Plastics	4	24	10
	716	Other chemical products	2	21	22
	722	Tires	41	51	43
	723	Other rubber products	6	30	1
	724	Veneer & plywood	16	36	6
	725	Wood & cork products	30	30	34

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TABLE D. 1

MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT OUTWARD

DOMESTIC CARGO FLOWS 1991-1993

(Continued)

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
	727	Textiles	38	37	29
	728	Apparel	284	233	96
	729	Carpets, blankets, other woven products	15	28	5
	733	Meters & measuring instruments	1	11	
	735	Household utensils	168	489	141
	811	Cements	0	13	
	814	Building stone	19	44	30
	816	Bricks & blocks	0	31	3
	817	Tiles & building ceramics	5	11	9
	818	Glass & products (excluding bottles)	2	22	28
	821	Iron & steel basic products	780	518	426
	825	Metal building parts	188	211	52
	826	Building equipment		1	11
	912	Communications equipment	10	5	24
	913	Lighting & electrical parts	161	113	9
	915	Road transport equipment	208	389	284
	916	Special purpose road vehicles	23	9	2
	917	Other transport equipment & parts	16	22	2
	921	Furniture	45	24	21
	924	Refrigerators & freezers	37	50	115
	925	Other household equipment	14	8	7
PULAWAN, DAPITAN CITY, ZAMBOANGA DEL NORTE					
		Minor flows		3	10
	132	Milled rice		80	
	915	Road transport equipment			10
ZAMBOANGA, ZAMBOANGA DEL SUR					
		Minor flows	45	19	10
	000	All other commodity	15,837	22,198	22,704
	121	Fish, fresh or chilled	73	1	
	122	Fish, preserved	17	9	2
	125	Other seafood	482	358	189
	132	Milled rice	2,025	1,763	2,917
	133	Unmilled maize	12	142	38
	134	Corn grits & meal	15		4
	135	Other unmilled grains	410	220	
	141	Potatoes	103	71	9
	142	Peas & beans	29	42	11
	145	Tobacco	15		
	146	Fieldcrop legumes	272	13	262
	151	Tomatoes	58	107	3
	152	Onions & shallots	931	1,275	1,304
	153	Root vegetables	10	11	3
	154	Leafy vegetables	5	24	9
	155	Other vegetables	28	62	68
	161	Citrus fruit	4	27	17
	162	Bananas	0	49	25
	163	Temperate fruits	39	128	58
	167	Other fresh fruit	2	72	427
	175	Cocoa beans	7	32	
	177	Natural rubber & latex	0	114	
	197	Other agricultural commodities (n.e.s.)	14	2	2
	211	Meat	63	180	75
	212	Dairy products	2,598	3,042	3,380
	213	Eggs	165	35	
	216	Other animal products	34	5	11

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TABLE D. 1
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT OUTWARD DOMESTIC CARGO FLOWS 1991-1993

(Continued)

DESTINATION		COMMODITY	CARGO (MT)		
			1991	1992	1993
	221	Flour & related products from grain	2,447	3,043	6,649
	222	Other field crop & vegetable meal, etc.	165	54	67
	223	Preserved fruits & products	37	52	30
	224	Sugar	77	3	1
	226	Other food preparations	3,691	3,379	2,688
	227	Animal Feeds	1,326	1,263	2,321
	231	Fruit & vegetable juices	139	219	36
	232	Processed coffee, cocoa & tea	436	517	625
	233	Mineral water & aerated beverages	311	1,271	107
	234	Beer	567	740	422
	235	Other alcoholic beverages	1,903	1,972	1,864
	237	Other vegetable oils	240		
	246	By products & residue of cotton	1	10	
	250	Tobacco products	6,146	3,426	4,132
	311	Unprocessed wood (excluding firewood)	100	5	2
	412	Salt	7,395	1,221	5,083
	413	Sands & gravel	228	7	25
	414	Marble	29	2	4
	415	Limestone & dolomite	12		
	419	Other non-metallic minerals	25	2	11
	424	Metal waste and scrap	55	9	30
	511	Gasoline & aviation fuel		123	53
	512	Kerosene		172	
	513	Gas oils	193	456	394
	522	Lubricants	1,218	1,376	3,116
	523	Other products	29	13	79
	611	Organic chemicals	42	27	17
	612	Inorganic chemicals	178	25	99
	616	Other nitrogenous fertilizers	0	18	1
	618	Other fertilizers	28	20	6
	619	Petrochemicals	112	179	233
	711	Paints, inks & coloring agents	190	563	48
	712	Vitamins & pharmaceuticals	806	792	692
	713	Soap & toiletries	3,869	3,635	2,139
	714	Plastics	128	71	72
	715	Pest control products	7	4	21
	716	Other chemical products	176	175	131
	722	Tires	258	276	363
	723	Other rubber products	59	53	123
	724	Veneer & plywood	24	51	
	725	Wood & cork products	1,165	405	1,172
	727	Textiles	840	524	280
	728	Apparel	1,390	415	532
	729	Carpets, blankets, other woven products	126	171	22
	731	Trunks, suitcases & handbags	11	2	18
	732	Medical & optical instruments	43	4	25
	733	Meters & measuring instruments	25	11	3
	734	Photographic equipment & materials	53	102	46
	735	Household utensils	3,644	3,271	3,348
	811	Cements	33		
	813	Limes	2	101	
	814	Building stone	82	26	11
	816	Bricks & blocks	34	76	32
	817	Tiles & building ceramics	7	37	40
	818	Glass & products (excluding bottles)	209	146	120

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TABLE D. 1

MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT OUTWARD DOMESTIC CARGO FLOWS 1991-1993

(Continued)

DESTINATION		COMMODITY	CARGO (MT) 1991	1992	1993
	819	Glass bottles	902	165	151
	821	Iron & steel basic products	2,388	2,241	1,636
	822	Copper products	1	1	18
	823	Aluminum products	251	26	2
	824	Other metal products	0	288	0
	825	Metal building parts	2,828	1,185	2,773
	826	Building equipment	29	22	29
	911	Office equipment	14	16	15
	912	Communications equipment	93	104	103
	913	Lighting & electrical parts	1,102	778	902
	915	Road transport equipment	4,904	2,165	1,943
	916	Special purpose road vehicles	63	38	33
	917	Other transport equipment & parts	108	45	49
	921	Furniture	110	978	1,573
	922	Lamps	14	55	[illegible]
	923	Washing & drying machines			
	924	Refrigerators & freezers	[illegible]	[illegible]	[illegible]
	925	Other household equipment	217	[illegible]	132
PAGADIAN CITY, ZAMBOANGA DEL SUR					
		Minor flows			3
	412	Salt		3,173	200
	821	Iron & steel basic products			196
MARGOSATUBIG CAUSEWAY/LANDING ZAMBOANGA DEL SUR					
	235	Other alcoholic beverages		355	125
	412	Salt	120	528	400
INTERNATIONAL COPRA EXPORT CORPORATION CAMPO ISLAM, ZAMBO					
	311	Unprocessed wood (excluding firewood)			28
TIMBER EXPORT INCORPORATED RECODO, ZAMBOANGA CITY					
		Minor flows		20	
	722	Tires		30	
	821	Iron & steel basic products		93	
	915	Road transport equipment		14	

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TABLE D. 2
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT INWARD DOMESTIC CARGO FLOWS 1991-1993

ORIGIN		COMMODITY	CARGO (MT) 1991	1992	1993
MASAO GOV'T. PIER, LUMBOCAN, BUTUAN CITY					
		Minor flows	8	1	16
	000	All other commodity	403	6	504
	111	Cattle & Carabao	119		
	311	Unprocessed wood (excluding firewood)	8,194	26,211	87,104
	312	Firewood (fuelwood)	1,506	833	
	313	Wood charcoal	195		
	723	Other rubber products		16	
	724	Veneer & plywood	16,494	30,001	16,127
	725	Wood & cork products	9	2,990	1,901
	735	Household utensils			57
	915	Road transport equipment	1	22	15
	916	Special purpose road vehicles	50		
	925	Other household equipment			15
BUTUAN GOV'T.(R.C.)WHARF, BUTUAN CITY					
		Minor flows			61
	000	All other commodity			56
	133	Unmilled maize			34
	155	Other vegetables			158
	162	Bananas			2,232
	167	Other fresh fruit			11
	177	Natural rubber & latex			30
	195	Rattan			80
	223	Preserved fruits & products			11
	226	Other food preparations			1,801
	237	Other vegetable oils			2,551
	311	Unprocessed wood (excluding firewood)	402	3,320	8,084
	313	Wood charcoal			20
	522	Lubricants			23
	716	Other chemical products			20
	724	Veneer & plywood		354	3,193
	725	Wood & cork products			3,651
	819	Glass bottles			105
NASIPIT GOV'T. (R.C.) WHARF, NASIPIT					
		Minor flows	67	46	74
	000	All other commodity	1,884	1,106	1,141
	111	Cattle & Carabao	0	0	29
	113	Swine	8	106	109
	123	Frozen shellfish	34	9	103
	124	Seaweed	8	72	139
	125	Other seafood	36	52	58
	132	Milled rice	31	26	93
	133	Unmilled maize	468	474	775
	134	Corn grits & meal	24	0	1
	141	Potatoes		14	21
	143	Root crops	29	75	48
	146	Fieldcrop legumes	0	390	871
	151	Tomatoes	9	22	1
	155	Other vegetables	1,003	962	614
	161	Citrus fruit	6	17	59
	162	Bananas	16,179	21,939	37,877
	165	Mangoes, avocados, guavas, mangosteen	89	82	126
	166	Melons & papaya	30	6	4
	167	Other fresh fruit	166	395	269
	171	Coconuts	2	148	99

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TABLE D. 2

MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT INWARD DOMESTIC CARGO FLOWS 1991-1993

(Continued)

ORIGIN		COMMODITY	CARGO (MT) 1991	1992	1993
	172	Copra			30
	176	Palm nuts & kernels	361	585	362
	177	Natural rubber & latex	320	504	773
	181	Abaca		12	
	194	Bamboo	20		8
	195	Rattan	20	5	311
	212	Dairy products	38	141	48
	214	Hides & skins		21	30
	216	Other animal products	17	0	1
	221	Flour & related products from grain	279	71	80
	222	Other field crop & vegetable meal, etc.	12	1	1
	223	Preserved fruits & products	213	443	1,355
	226	Other food preparations	38	6	69
	227	Animal Feeds	11	36	352
	233	Mineral water & aerated beverages		0	196
	234	Beer	51		
	235	Other alcoholic beverages	46	12	156
	237	Other vegetable oils	381	1,598	2,385
	250	Tobacco products	12	5	39
	311	Unprocessed wood (excluding firewood)	8,571	8,070	10,414
	313	Wood charcoal	41		3
	314	Wood chips & scrap	205	75	107
	315	Railway slippers		52	
	413	Sands & gravel	55	17	39
	416	Building stone	38		
	419	Other non-metallic minerals	51		2
	424	Metal waste and scrap	4	93	126
	522	Lubricants	4	15	
	614	Synthetic rubber		66	18
	711	Paints, inks & coloring agents	2	6	19
	712	Vitamins & pharmaceuticals	53	130	58
	713	Soap & toiletries	8	19	49
	716	Other chemical products	4	4	13
	722	Tires	1	10	31
	723	Other rubber products	10	59	7
	724	Veneer & plywood	22,414	21,938	22,004
	725	Wood & cork products	1,009	1,430	1,291
	727	Textiles	12	16	3
	728	Apparel	8	10	19
	732	Medical & optical instruments	10		
	734	Photographic equipment & materials	1	7	155
	735	Household utensils	191	266	743
	811	Cements	2	6	16
	814	Building stone	25		2
	818	Glass & products (excluding bottles)	29	4	12
	819	Glass bottles	3,503	6,058	1,616
	821	Iron & steel basic products	22	27	35
	823	Aluminum products	0	1	14
	825	Metal building parts	98	89	276
	911	Office equipment	18	0	10
	913	Lighting & electrical parts	9	32	144
	915	Road transport equipment	162	371	409
	916	Special purpose road vehicles	108	20	6
	917	Other transport equipment & parts	20	11	19
	921	Furniture	208	67	98

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TABLE D. 2

MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT INWARD

DOMESTIC CARGO FLOWS 1991-1993

(Continued)

ORIGIN		COMMODITY	CARGO (MT) 1991	1992	1993
	924	Refrigerators & freezers	16	4	3
	925	Other household equipment	0	2	19
OTHER MUNICIPAL PORTS (AGUSAN DEL NORTE)					
		Minor flows			11
	000	All other commodity	1,725		68
	191	Cut flowers			34
	311	Unprocessed wood (excluding firewood)	3,112	5,431	2,022
	312	Firewood (fuelwood)	83		
	724	Veneer & plywood	826	3,724	731
	725	Wood & cork products			510
	735	Household utensils			136
OTHER PRIVATE PORTS (AGUSAN DEL NORTE)					
		Minor flows			[illegible]
	237	Other vegetable oils			1,212
	311	Unprocessed wood (excluding firewood)	16,212	1,169	828
	322	Natural gums			261
	724	Veneer & plywood			5,548
	725	Wood & cork products			154
AGUSAN WOOD INDUSTRIES, INCORPORATED (FORMERLY DOPE), LUM					
		Minor flows			41
	311	Unprocessed wood (excluding firewood)			681
	724	Veneer & plywood			2,758
EURASIA MATCH INCORPORATED					
		Minor flows	0		
	111	Cattle & Carabao	10		
	311	Unprocessed wood (excluding firewood)	3		270
	724	Veneer & plywood	250		1,244
	725	Wood & cork products			669
NASIPIT LUMBER COMPANY NASIPIT, AGUSAN DEL NORTE					
		Minor flows	39		
	000	All other commodity	106		
	155	Other vegetables	138		
	177	Natural rubber & latex	84		
	223	Preserved fruits & products	14		
	226	Other food preparations	24		
	235	Other alcoholic beverages	13		
	237	Other vegetable oils	9,138		
	313	Wood charcoal	19		
	522	Lubricants		1,500	
	713	Soap & toiletries	66		
	724	Veneer & plywood	1,367		
	725	Wood & cork products	26		
	819	Glass bottles	843		
	924	Refrigerators & freezers	18		
STA. INES MELALE FOREST PROD. INC. MAGALLANES, AGUSAN DEL N					
	311	Unprocessed wood (excluding firewood)		3,281	
STANDARD PLYWOOD CORPORATION AGUSAN PEQUEÑO, BUTUAN CITY					
		Minor flows			1
	311	Unprocessed wood (excluding firewood)			99
OTHER MUNICIPAL PORTS (AKLAN)					
		Minor flows		4	
BATAN, AKLAN					
		Minor flows	28	11	15
	112	Goats	62	55	84
	113	Swine	65	41	23

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TABLE D. 2

MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT INWARD

DOMESTIC CARGO FLOWS 1991-1993

(Continued)

ORIGIN		COMMODITY	CARGO (MT) 1991	1992	1993
	121	Fish, fresh or chilled	187	242	280
	122	Fish, preserved	10	4	1
	125	Other seafood	10	0	1
	132	Milled rice	152	4	3
	162	Bananas	368	741	759
	172	Copra	740		
	192	Other oil seeds	43	1	
	223	Preserved fruits & products	5	194	56
	819	Glass bottles	1	14	188
	825	Metal building parts	13	1	
DUMAGUIT CAUSEWAY/PIER NEW WASHINGTON, AKLAN					
		Minor flows	84	81	56
	000	All other commodity	95	100	156
	113	Swine	76	83	25
	121	Fish, fresh or chilled	772	901	582
	122	Fish, preserved	66	309	29
	123	Frozen shellfish	76	63	25
	125	Other seafood	12	2	0
	132	Milled rice	1,025	980	457
	133	Unmilled maize	137	199	17
	142	Peas & beans	5	10	0
	161	Citrus fruit	10	1	137
	162	Bananas	191	924	326
	165	Mangoes, avocados, guavas, mangosteen	60	325	221
	172	Copra	3,234	638	98
	181	Abaca	1	24	11
	183	Other processed fibers	48	3	10
	192	Other oil seeds	0	407	56
	194	Bamboo	11	5	1
	196	Other vegetable raw materials	41	3	1
	214	Hides & skins	42	44	13
	216	Other animal products	70	15	6
	223	Preserved fruits & products		84	111
	226	Other food preparations	4	9	15
	227	Animal Feeds	85	194	139
	235	Other alcoholic beverages	39		13
	245	Vegetable fibers	24	6	6
	413	Sands & gravel	366	89	21
	414	Marble	18	17	3
	416	Building stone	109	36	18
	418	Petroleum	344	27	122
	419	Other non-metallic minerals	142	1,545	1
	421	Ferrous ores & concentrates	132		
	423	Other metallic ores & concentrates	191	745	323
	424	Metal waste and scrap	10		36
	619	Petrochemicals	74	19	
	725	Wood & cork products	13	2	1
	735	Household utensils	335	385	376
	819	Glass bottles	3,247	2,153	1,879
	911	Office equipment	1	0	12
	915	Road transport equipment	100	158	270
	921	Furniture	23	6	7
NEW WASHINGTON, AKLAN					
		Minor flows		42	99
	000	All other commodity		42	80

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TABLE D. 2
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT INWARD DOMESTIC CARGO FLOWS 1991-1993

(Continued)

ORIGIN		COMMODITY	CARGO (MT) 1991	1992	1993
	113	Swine		15	34
	121	Fish, fresh or chilled		457	527
	122	Fish, preserved		16	10
	132	Milled rice		291	872
	133	Unmilled maize		4	73
	143	Root crops		5	10
	146	Fieldcrop legumes			23
	162	Bananas		464	827
	165	Mangoes, avocados, guavas, mangosteen		30	199
	167	Other fresh fruit		0	15
	172	Copra	105		11
	181	Abaca		23	116
	183	Other processed fibers		25	23
	192	Other oil seeds		4	44
	214	Hides & skins		1	15
	226	Other food preparations		4	15
	227	Animal Feeds		7	95
	243	Abaca			60
	245	Vegetable fibers		1	26
	413	Sands & gravel			16
	724	Veneer & plywood			11
	725	Wood & cork products			13
	735	Household utensils	9	9	100
	819	Glass bottles	4,214	14	8
	821	Iron & steel basic products		13	
	915	Road transport equipment		34	65
	916	Special purpose road vehicles		10	
LEGASPI, LEGAZPI CITY					
	224	Sugar	500		
	819	Glass bottles	301		
TABACO,ALBAY					
		Minor flows	2		
	227	Animal Feeds	1,250		
	618	Other fertilizers	1,063		
OTHER PRIVATE PORTS (ALBAY)					
	417	Coal, lignite, bitumen, peat, shale	1,500		
RAPU-RAPU (BATAN) CAUSEWAY RAPU-RAPU, ALBAY					
		Minor flows	9		
	417	Coal, lignite, bitumen, peat, shale	13,730	4,050	1,500
	523	Other products		2,100	
SAN JOSE DE BUENAVISTA, ANTIQUE					
		Minor flows	12		13
	132	Milled rice	15		137
OTHER MUNICIPAL PORTS (ANTIQUE)					
		Minor flows	4		
ISABELA WHARF, BASILAN CITY					
		Minor flows	20	5	
	000	All other commodity	15	0	
	177	Natural rubber & latex	58		
	237	Other vegetable oils	328	181	
	313	Wood charcoal	994		
MARIVELES, BATAAN					
	416	Building stone			1,828
	424	Metal waste and scrap	15		
LIMAY, BATAAN					

TABLE D. 2
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT INWARD DOMESTIC CARGO FLOWS 1991-1993

(Continued)

ORIGIN		COMMODITY	CARGO (MT) 1991	1992	1993
	413	Sands & gravel			18,956
	812	Cement clinkers			1,918
OTHER MUNICIPAL PORTS (BATAAN)					
		Minor flows			2
	411	Natural fertilizers			250
OTHER PRIVATE PORTS (BATAAN)					
		Minor flows	2	0	
	413	Sands & gravel			600
	424	Metal waste and scrap	510	10	50
	513	Gas oils	1,137		760
	821	Iron & steel basic products	80		
BATAAN REFINING COMPANY BO. LAMAO, LIMAY, BATAAN					
		Minor flows		9	
	413	Sands & gravel			5,033
	417	Coal, lignite, bitumen, peat, shale		7,179	2,443
	418	Petroleum			3,294
	511	Gasoline & aviation fuel	128,325	125,220	150,186
	512	Kerosene	152,744	73,965	115,947
	513	Gas oils	1,704,279	1,623,904	1,716,995
	514	Fuel oils	1,300		750
	522	Lubricants	321,489	259,765	158,360
	523	Other products	151,186	131,848	117,476
	612	Inorganic chemicals		741	
	711	Paints, inks & coloring agents	985	500	2,064
	821	Iron & steel basic products		10	
	916	Special purpose road vehicles		22	
BATAAN STORAGE CORPORATION LUCAMIN, MARIVELES, BATAAN					
	000	All other commodity			12
	511	Gasoline & aviation fuel	10		3,288
	512	Kerosene			1,000
	513	Gas oils	28,816	4,317	28,720
	522	Lubricants	1,606	4,660	3,035
CDCP QUARRY (MLA-CAVITE COASTAL ROAD PROJECT), SISIMAN, MAR					
	000	All other commodity			700
	411	Natural fertilizers			3,030
	413	Sands & gravel		500	13,758
	414	Marble			5,210
	416	Building stone			6,596
	522	Lubricants		2,600	
PLANTERS PRODUCTS INCORPORATED LIMAY, BATAAN					
	413	Sands & gravel	17,052	19,200	25,569
PORT OF BATANGAS STA. CLARA, BATANGAS					
		Minor flows		8	3
	132	Milled rice		74	1
	133	Unmilled maize		225	
	172	Copra		13	108
	214	Hides & skins		13	
	311	Unprocessed wood (excluding firewood)	300		
	419	Other non-metallic minerals			1,791
	513	Gas oils	1,121	717	
	522	Lubricants	400	1	
	612	Inorganic chemicals		530	
	618	Other fertilizers	2,600	2,600	
	819	Glass bottles		2	17
	915	Road transport equipment		9	14

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TABLE D. 2

MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT INWARD

DOMESTIC CARGO FLOWS 1991-1993

(Continued)

ORIGIN		COMMODITY	CARGO (MT) 1991	1992	1993
BAUAN PIER, BAUAN, BATANGAS					
		Minor flows	12	4	13
	000	All other commodity	0		30
	111	Cattle & Carabao			28
	133	Unmilled maize	64	85	96
	172	Copra	152	50	622
	225	Molasses & related products	15	1,662	3,993
	233	Mineral water & aerated beverages			597
	424	Metal waste and scrap	11		0
	612	Inorganic chemicals	1,000		
	618	Other fertilizers			40
	811	Cements			48
	819	Glass bottles	26	4	22
	913	Lighting & electrical parts	57		
MAINAGA CAUSEWAY, MABINI, BATANGAS					
		Minor flows		7	
	133	Unmilled maize		269	
	819	Glass bottles		19	
OTHER PRIVATE PORTS (BATANGAS)					
		Minor flows	0	1	
	000	All other commodity			81
	132	Milled rice	328		1,022
	133	Unmilled maize			900
	135	Other unmilled grains			6,263
	146	Fieldcrop legumes		4,377	1,254
	183	Other processed fibers			206
	192	Other oil seeds		3,647	2,460
	221	Flour & related products from grain		2,200	5,216
	226	Other food preparations		2,739	
	227	Animal Feeds	53		2,800
	237	Other vegetable oils			2,781
	417	Coal, lignite, bitumen, peat, shale		3,748	
	513	Gas oils		189	
	612	Inorganic chemicals	3,751	1,500	8,855
	716	Other chemical products		1,020	456
	735	Household utensils			94
	915	Road transport equipment			40
	916	Special purpose road vehicles	18		15
ATLANTIC GULF & PACIFIC CORPORATION, STA. MARIA, BAUAN, B					
	311	Unprocessed wood (excluding firewood)	400		
BATANGAS BAY TERMINAL INCORPORATED, BO. BOLO, BAUAN, BATA					
	612	Inorganic chemicals		7,955	10,775
CALTEX PHIL. INC. ISLAND WHARF, SAN PASCUAL, BATANGAS					
	511	Gasoline & aviation fuel	1,951	3,564	955
	512	Kerosene	896	252	
	513	Gas oils	30,617	132,709	14,538
	522	Lubricants	500		
FOREMOST FARMS, TABANGAO, BATANGAS CITY					
	612	Inorganic chemicals	1,508	1,001	
KEPPEL (PHIL.) SHIPYARD INCORPORATED,					
	612	Inorganic chemicals			487
	913	Lighting & electrical parts			1,300
PACIFIC FLOUR MILLS INCORPORATED, TABANGAO, BATANGAS CITY					
	192	Other oil seeds		1,500	
PHILIPPINE ENERGY SUPPLY BASE MABINI, BATANGAS					

TABLE D. 2

MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT INWARD DOMESTIC CARGO FLOWS 1991-1993

(Continued)

ORIGIN		COMMODITY	CARGO (MT) 1991	1992	1993
		Minor flows	10		
	133	Unmilled maize	73		
	412	Salt	148		
	811	Cements	1,200	200	
	819	Glass bottles	212		
PNOC-MARINE CORPORATION, BO. BOLO, BAUAN, BATANGAS					
		Minor flows	1	1	
	000	All other commodity		20	
	311	Unprocessed wood (excluding firewood)	662	662	
PILIPINAS SHELL PETROLEUM CORPORATION, TABANGAO, BATANGAS C					
		Minor flows			3
	000	All other commodity			181
	511	Gasoline & aviation fuel	10,575	8,032	4,106
	512	Kerosene		1,000	489
	513	Gas oils	90,612	129,137	76,450
	522	Lubricants	500	8,800	2,550
	523	Other products		5,100	
UNITED COCONUT CHEMICALS NEW DANGLAYAN, BAUAN, BATANGAS C					
	237	Other vegetable oils			375
	522	Lubricants	780		
	612	Inorganic chemicals	200	500	
TAGBILARAN CITY					
		Minor flows	24	32	71
	000	All other commodity	63	236	74
	111	Cattle & Carabao	11	2	10
	121	Fish, fresh or chilled	12	14	7
	124	Seaweed	13	24	11
	133	Unmilled maize		31	15
	143	Root crops	3	58	11
	172	Copra	29		150
	177	Natural rubber & latex			10
	183	Other processed fibers	17	34	25
	214	Hides & skins	20	62	64
	221	Flour & related products from grain		2	15
	223	Preserved fruits & products	41		22
	225	Molasses & related products	88	10	
	227	Animal Feeds	15		15
	245	Vegetable fibers			21
	311	Unprocessed wood (excluding firewood)			55
	313	Wood charcoal		97	
	413	Sands & gravel	207	641	481
	416	Building stone		800	
	424	Metal waste and scrap		50	144
	618	Other fertilizers			28
	619	Petrochemicals			56
	713	Soap & toiletries		50	
	716	Other chemical products	1,325	5,789	2,984
	724	Veneer & plywood		74	
	727	Textiles	17		3
	735	Household utensils	941	340	432
	818	Glass & products (excluding bottles)		34	3
	819	Glass bottles	751	618	522
	821	Iron & steel basic products			185
	824	Other metal products	11		
	825	Metal building parts	1	3	16

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TABLE D. 2
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT INWARD DOMESTIC CARGO FLOWS 1991-1993

(Continued)

ORIGIN		COMMODITY	CARGO (MT) 1991	1992	1993
	915	Road transport equipment	18	218	11
JAGNA, BOHOL					
		Minor flows		6	
KATAGBAKAN, LOON, BOHOL					
		Minor flows	1		
	819	Glass bottles	1,261		
LOAY RIVER QUAY, BOHOL					
	915	Road transport equipment	12		
	916	Special purpose road vehicles	22		
TUBIGON CAUSEWAY/PIER, BOHOL					
		Minor flows	6	1	
APARRI, CAGAYAN					
	311	Unprocessed wood (excluding firewood)	12,426	506	
CASAMBALANGAN (IRENE) STA. ANA, CAGAYAN					
	311	Unprocessed wood (excluding firewood)	1,242	3,999	
	312	Firewood (fuelwood)	991		
	915	Road transport equipment	81		
	916	Special purpose road vehicles	75		
OTHER OTHER NATIONAL PORTS (CAGAYAN)					
	311	Unprocessed wood (excluding firewood)	1,311	3,232	
OTHER MUNICIPAL PORTS (CAGAYAN)					
	311	Unprocessed wood (excluding firewood)	4,378	556	
	312	Firewood (fuelwood)	507		
	313	Wood charcoal		1,135	
	724	Veneer & plywood		128	
	915	Road transport equipment	65		
OTHER PRIVATE PORTS (CAGAYAN)					
	311	Unprocessed wood (excluding firewood)			532
PASACAO, CAMARINES SUR					
	236	Coconut oil	2,400		
OTHER PRIVATE PORTS (CAMARINES SUR)					
	236	Coconut oil			1,200
	419	Other non-metallic minerals	300		
	522	Lubricants			1,200
CULASI, ROXAS CITY, CAPIZ					
		Minor flows	45	58	92
	000	All other commodity	159	211	918
	111	Cattle & Carabao	448	171	80
	112	Goats	67	13	25
	113	Swine	342	552	193
	114	Poultry	16	16	23
	121	Fish, fresh or chilled	3,850	4,532	9,645
	122	Fish, preserved	4,366	5,361	5,143
	123	Frozen shellfish	1,435	779	1,664
	124	Seaweed	1	19	40
	125	Other seafood	194	90	235
	132	Milled rice	1,003	966	1,042
	133	Unmilled maize	4,917	3,902	4,046
	143	Root crops	0	3	73
	162	Bananas	16	259	268
	165	Mangoes, avocados, guavas, mangosteen	6	19	38
	166	Melons & papaya	4	134	97
	167	Other fresh fruit	41	16	64
	192	Other oil seeds	5	9	14
	194	Bamboo	4	11	4

TABLE D. 2
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT INWARD DOMESTIC CARGO FLOWS 1991-1993

(Continued)

ORIGIN		COMMODITY	CARGO (MT) 1991	1992	1993
	213	Eggs		2	70
	214	Hides & skins	49	1	66
	216	Other animal products	930	1,121	790
	222	Other field crop & vegetable meal, etc.	98	27	8
	223	Preserved fruits & products	1	90	177
	224	Sugar	1,005	1,000	
	225	Molasses & related products	860		
	227	Animal Feeds	38	97	86
	234	Beer	93	19	
	235	Other alcoholic beverages		16	17
	419	Other non-metallic minerals	345	8	324
	424	Metal waste and scrap	395	457	512
	522	Lubricants	0	3	39
	619	Petrochemicals	2	3	12
	712	Vitamins & pharmaceuticals	92	54	143
	716	Other chemical products	55	0	52
	722	Tires	2	10	13
	734	Photographic equipment & materials	8	12	42
	735	Household utensils	176	186	353
	811	Cements		10	
	817	Tiles & building ceramics			52
	818	Glass & products (excluding bottles)		10	36
	819	Glass bottles	6,837	6,937	5,865
	825	Metal building parts	8	5	33
	912	Communications equipment	8	2	32
	913	Lighting & electrical parts	3	4	16
	915	Road transport equipment	221	138	3,688
OTHER MUNICIPAL PORTS (CAPIZ)					
	000	All other commodity			71
	915	Road transport equipment			31
	916	Special purpose road vehicles			40
OTHER PRIVATE PORTS (CAPIZ)					
		Minor flows		5	
	000	All other commodity		13	
	915	Road transport equipment		12	
	916	Special purpose road vehicles		20	
VIRAC, CATANDUANES					
		Minor flows	34	41	29
	132	Milled rice	16	20	8
	424	Metal waste and scrap	19	17	23
	819	Glass bottles	150	610	100
CEBU CITY					
		Minor flows	29	9	21
	000	All other commodity	16,848	20,747	44,507
	111	Cattle & Carabao	642	704	1,294
	112	Goats	324	191	649
	113	Swine	307	715	270
	114	Poultry	177	76	160
	115	Other live animals	11	5	77
	121	Fish, fresh or chilled	979	661	504
	122	Fish, preserved	5,085	2,973	2,810
	123	Frozen shellfish	4,133	2,667	5,808
	124	Seaweed	8,832	3,113	2,941
	125	Other seafood	2,162	501	1,289
	132	Milled rice	190	456	595

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TABLE D. 2
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT INWARD DOMESTIC CARGO FLOWS 1991-1993

(Continued)

ORIGIN		COMMODITY	CARGO (MT) 1991	1992	1993
	133	Unmilled maize	7,552	10,306	6,567
	134	Corn grits & meal	16,459	9,617	14,548
	135	Other unmilled grains	15	48	1
	142	Peas & beans	201	141	118
	143	Root crops	36	10	317
	145	Tobacco	91		68
	146	Fieldcrop legumes	1,145	607	501
	151	Tomatoes	451	70	158
	153	Root vegetables	11	1	2
	155	Other vegetables	145	118	113
	161	Citrus fruit	609	41	11
	162	Bananas	9,106	7,963	5,232
	163	Temperate fruits	2	1	17
	165	Mangoes, avocados, guavas, mangosteen	10,090	3,347	3,552
	166	Melons & papaya	385	2	
	167	Other fresh fruit	739	217	320
	171	Coconuts	202		2
	172	Copra	270	749	457
	174	Coffee beans (untreated)	168	38	83
	175	Cocoa beans	400	49	16
	176	Palm nuts & kernels	53	119	
	177	Natural rubber & latex	645	200	52
	181	Abaca	4,200	2,122	3,171
	182	Coconut fibers	66		
	183	Other processed fibers	272	86	375
	191	Cut flowers	250	28	304
	192	Other oil seeds	6,801	3,988	3,932
	193	Other spices	48	1	2
	194	Bamboo	111	20	10
	195	Rattan	298	277	344
	196	Other vegetable raw materials	119	77	37
	197	Other agricultural commodities (n.e.s.)	1,169	512	1,427
	211	Meat	3,601	1,097	2,123
	212	Dairy products	1,954	1,965	2,928
	213	Eggs	871	466	57
	214	Hides & skins	673	741	1,275
	215	Animal oils		4	12
	216	Other animal products	333	187	681
	221	Flour & related products from grain	4,965	3,347	11,151
	222	Other field crop & vegetable meal, etc.	70	53	158
	223	Preserved fruits & products	2,014	1,106	1,374
	224	Sugar	8,808	5,714	6,412
	225	Molasses & related products	2,274	1,448	1,086
	226	Other food preparations	5,231	4,616	11,041
	227	Animal Feeds	13,221	9,585	10,592
	231	Fruit & vegetable juices	385	627	743
	232	Processed coffee, cocoa & tea	1,988	74	520
	233	Mineral water & aerated beverages	9,490	3,938	21,340
	234	Beer	4,237	1,196	1,453
	235	Other alcoholic beverages	25,975	9,624	3,005
	237	Other vegetable oils	3,493	2,831	2,184
	241	Cotton, carded or combed	46		
	242	Jute, hemp, sisal		12	
	243	Abaca	22	76	
	244	Coconut fiber		13	18

TABLE D. 2
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT INWARD DOMESTIC CARGO FLOWS 1991-1993

(Continued)

ORIGIN		COMMODITY	CARGO (MT) 1991	1992	1993
	245	Vegetable fibers	186	363	233
	246	By products & residue of cotton	105	82	42
	250	Tobacco products	21	41	66
	311	Unprocessed wood (excluding firewood)	7,040	3,578	4,877
	312	Firewood (fuelwood)	13		2
	313	Wood charcoal	838	1,366	1,957
	314	Wood chips & scrap	90	26	22
	315	Railway slippers	25		
	321	Cork	10		
	322	Natural gums	59	4	5
	411	Natural fertilizers	687	171	633
	412	Salt	413	178	13
	413	Sands & gravel	1,183	2,867	2,394
	414	Marble	790	527	839
	415	Limestone & dolomite	2,943	3,039	4,538
	416	Building stone	6,192	2,092	2,047
	417	Coal, lignite, bitumen, peat, shale	49	78	332
	419	Other non-metallic minerals	1,010	453	64
	424	Metal waste and scrap	3,009	3,869	2,979
	513	Gas oils	21		18
	514	Fuel oils		14	13
	522	Lubricants	250	97	269
	523	Other products	2,773	1,177	3,140
	611	Organic chemicals	429	289	157
	612	Inorganic chemicals	3,847	1,363	2,239
	616	Other nitrogenous fertilizers	393	257	224
	617	Phosphatic fertilizers	18		132
	618	Other fertilizers	2,978	2,101	3,140
	619	Petrochemicals	1,684	619	706
	711	Paints, inks & coloring agents	1,315	819	1,436
	712	Vitamins & pharmaceuticals	559	561	4,091
	713	Soap & toiletries	3,018	2,136	2,889
	714	Plastics	16	26	51
	715	Pest control products	3,356	1,915	6,073
	716	Other chemical products	27,517	15,489	17,229
	721	Leather & products	93	7	48
	722	Tires	327	254	928
	723	Other rubber products	815	334	665
	724	Veneer & plywood	10,921	7,097	4,873
	725	Wood & cork products	2,012	1,690	2,083
	727	Textiles	1,009	731	914
	728	Apparel	3,375	2,483	4,569
	729	Carpets, blankets, other woven products	143	84	481
	731	Trunks, suitcases & handbags	197	20	112
	732	Medical & optical instruments	9	43	631
	733	Meters & measuring instruments	3	18	24
	734	Photographic equipment & materials	141	125	406
	735	Household utensils	22,766	16,592	283,589
	811	Cements	2,306	284	4,327
	812	Cement clinkers			40
	813	Limes	791	30	124
	814	Building stone	572	224	645
	816	Bricks & blocks	24	98	183
	817	Tiles & building ceramics	273	74	146
	818	Glass & products (excluding bottles)	515	1,399	741

TABLE D. 2
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT INWARD DOMESTIC CARGO FLOWS 1991-1993

(Continued)

ORIGIN		COMMODITY	CARGO (MT) 1991	1992	1993
	819	Glass bottles	52,588	17,134	19,615
	821	Iron & steel basic products	11,698	5,762	6,026
	822	Copper products	24	5	21
	823	Aluminum products	19	51	16
	824	Other metal products	162	133	70
	825	Metal building parts	4,032	3,234	4,411
	826	Building equipment	92	33	64
	911	Office equipment	66	62	506
	912	Communications equipment	211	208	700
	913	Lighting & electrical parts	2,621	665	5,176
	915	Road transport equipment	8,294	8,176	12,092
	916	Special purpose road vehicles	389	361	468
	917	Other transport equipment & parts	407	241	249
	918	Other equipment & parts	21	1	27
	921	Furniture	17,205	7,878	14,939
	922	Lamps	10	21	107
	923	Washing & drying machines	19	2	5
	924	Refrigerators & freezers	175	68	28
	925	Other household equipment	24	99	68
DANAO CITY					
		Minor flows		5	
	225	Molasses & related products	1,000	506	2,500
	417	Coal, lignite, bitumen, peat, shale	1,200		
	821	Iron & steel basic products	129		
	915	Road transport equipment		12	
	916	Special purpose road vehicles		12	
TOLEDO CITY, CEBU					
	618	Other fertilizers	1,250	2,262	
OPON (MUELLE DE OSMENA) LAPU-LAPU CITY					
	424	Metal waste and scrap		1,296	
OTHER MUNICIPAL PORTS (CEBU)					
	000	All other commodity			3,335
	224	Sugar	1,000	1,583	
	415	Limestone & dolomite	2,402		12,000
	419	Other non-metallic minerals	1,180		
	811	Cements	500		
ARGAO CAUSEWAY, ARGAO, CEBU					
	000	All other commodity			60
	417	Coal, lignite, bitumen, peat, shale	3,000	2,000	10,813
	915	Road transport equipment			13
	916	Special purpose road vehicles			10
MANDAUE, MANDAUE CITY					
		Minor flows	2	5	2
	424	Metal waste and scrap		2,947	
	611	Organic chemicals			680
	819	Glass bottles		586	7
	916	Special purpose road vehicles		45	
OTHER PRIVATE PORTS (CEBU)					
	225	Molasses & related products	900	1,300	
ATLAS CONSOLIDATED MINING AND DEVELOPMENT CORP. (A C M D C					
		Minor flows	19	1	3
	000	All other commodity	4,442	67	9,262
	412	Salt	20		448
	421	Ferrous ores & concentrates		1,843	
	522	Lubricants	200		

TABLE D. 2

MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT INWARD DOMESTIC CARGO FLOWS 1991-1993

(Continued)

ORIGIN		COMMODITY	CARGO (MT) 1991	1992	1993
	612	Inorganic chemicals	142	1,547	500
	616	Other nitrogenous fertilizers	500		50
	618	Other fertilizers	44,227	37,068	28,391
	823	Aluminum products	150		
	913	Lighting & electrical parts	199		
BAIGAD CAUSEWAY/PIER, BANTAYAN, CEBU					
	000	All other commodity			5,000
	618	Other fertilizers			4,500
CEBU SHIPYARD & ENGINEERING WORKS, LAPU-LAPU CITY					
	724	Veneer & plywood	795		
ERNESTO C. OUANO SR. WHARF, POBLACION, MANDAUE CITY					
	612	Inorganic chemicals	675	1,725	
GENERAL MILLING CORPORATION WHARF, LAPU-LAPU CITY					
		Minor flows	2		
	134	Corn grits & meal		930	
	221	Flour & related products from grain		1,600	
	225	Molasses & related products	780		
	227	Animal Feeds	382	500	
	716	Other chemical products	2,304	3,256	1,800
MEDILLIN (KAWIT) CAUSEWAY (SUGAR MILLING), MEDILLIN					
	225	Molasses & related products		1,300	
NPC, NAGA, CEBU					
	417	Coal, lignite, bitumen, peat, shale	1,500		
	523	Other products	900		
OPAO (LORENZO CABAHUG), OPAO, MANDAUE CITY					
		Minor flows		3	
	134	Corn grits & meal		40	
PHILIPPINE MINING CORPORATION ALKOY, CEBU					
	413	Sands & gravel	2,300		
	415	Limestone & dolomite	16,549	19,800	11,600
SAN MIGUEL RECLAMATION QUANO RECLAMATION					
	233	Mineral water & aerated beverages	476		1,711
	234	Beer	12,713	3,776	4,933
	415	Limestone & dolomite	94		
	611	Organic chemicals			985
	612	Inorganic chemicals		945	
	725	Wood & cork products		332	5
	735	Household utensils	6	717	23
	818	Glass & products (excluding bottles)			884
	819	Glass bottles	968	7,739	179
TOTAL BULK CORPORATION BO. APAO, MANDAUE CITY BO. APAO, MAN					
	611	Organic chemicals	880		
SUBANGDAKU (GORONES), SUBANGDAKU, MANDAUE CITY SUBANGDAKU,					
	915	Road transport equipment	30		
	916	Special purpose road vehicles	15		
OTHER MUNICIPAL PORTS (DAVAO DEL NORTE)					
	311	Unprocessed wood (excluding firewood)	5,796	3,860	1,600
HIJO PLANTATION INCORPORATED, WHARF MADAUM, DAVAO DEL NORTE					
	237	Other vegetable oils	25,258	21,820	1,392
TAGUM AGRICULTURAL DEV. CORP., WHARF PANABO, DAVAO DEL NORT					
	237	Other vegetable oils		4,455	1,166
DAWIS, DIGOS, DAVAO DEL SUR					
	224	Sugar		2,600	
SASA GOVERNMENT WHARF SASA, DAVAO CITY					
		Minor flows	31	26	24

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TABLE D. 2
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT INWARD DOMESTIC CARGO FLOWS 1991-1993

(Continued)

ORIGIN		COMMODITY	CARGO (MT) 1991	1992	1993
	000	All other commodity	14,338	13,684	13,854
	111	Cattle & Carabao	3,605	3,403	4,473
	113	Swine	11,896	12,575	7,035
	114	Poultry	12	3	
	115	Other live animals	122	212	572
	121	Fish, fresh or chilled	40	34	
	122	Fish, preserved	237	0	7
	123	Frozen shellfish	429	214	51
	125	Other seafood	139	27	45
	132	Milled rice	438	157	9,749
	133	Unmilled maize	72,204	123,707	67,221
	134	Corn grits & meal	10,668	6,203	9,868
	135	Other unmilled grains	557	642	795
	141	Potatoes	74	27	2
	142	Peas & beans	1,114	893	1,032
	143	Root crops	18	0	47
	145	Tobacco	73	11	182
	146	Fieldcrop legumes	3,688	2,928	3,068
	151	Tomatoes	2,419	638	2,062
	155	Other vegetables	507	78	116
	161	Citrus fruit	2,656	3,585	1,809
	162	Bananas	47,259	2,859	12,349
	163	Temperate fruits	40	1	
	164	Pineapples	917	7	12
	165	Mangoes, avocados, guavas, mangosteen	482	89	416
	166	Melons & papaya	1,901	323	299
	167	Other fresh fruit	643	501	355
	171	Coconuts	30,840	34,794	24,372
	172	Copra	45	2,120	463
	174	Coffee beans (untreated)	11,913	1,075	3,449
	175	Cocoa beans	6,500	3,386	5,051
	176	Palm nuts & kernels		32	
	177	Natural rubber & latex	18,459	19,196	12,757
	181	Abaca	6,519	5,806	5,108
	182	Coconut fibers		38	
	183	Other processed fibers	2,788	373	332
	192	Other oil seeds	2,240	6,479	8,005
	194	Bamboo	247		17
	195	Rattan	2,126	514	812
	196	Other vegetable raw materials	20	94	42
	197	Other agricultural commodities (n.e.s.)	1,495	5,504	1,740
	211	Meat	130	159	228
	212	Dairy products	971	710	421
	214	Hides & skins	704	351	285
	216	Other animal products	155	244	260
	221	Flour & related products from grain	285	233	260
	222	Other field crop & vegetable meal, etc.	974	830	2,855
	223	Preserved fruits & products	11,204	6,856	5,204
	224	Sugar	81	10	98
	225	Molasses & related products	1	36	44
	226	Other food preparations	1,294	739	340
	227	Animal Feeds	11,337	9,653	16,997
	231	Fruit & vegetable juices	2,358	372	460
	232	Processed coffee, cocoa & tea	477	851	4,930
	233	Mineral water & aerated beverages	157	496	654

TABLE D. 2
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT INWARD DOMESTIC CARGO FLOWS 1991-1993

(Continued)

ORIGIN		COMMODITY	CARGO (MT) 1991	1992	1993
	234	Beer	21	27	
	235	Other alcoholic beverages	189	222	391
	236	Coconut oil	2,000	1,200	240
	237	Other vegetable oils	3,271	6,423	11,889
	242	Jute, hemp, sisal	24		145
	243	Abaca	23		55
	245	Vegetable fibers	1,114	352	99
	246	By products & residue of cotton	13	268	324
	250	Tobacco products	21	7	21
	311	Unprocessed wood (excluding firewood)	10,837	9,170	21,792
	312	Firewood (fuelwood)		37	122
	313	Wood charcoal	40,211	98,692	31,485
	314	Wood chips & scrap		50	2,230
	316	Wood pulp	17		
	322	Natural gums	13		55
	411	Natural fertilizers	118	501	308
	412	Salt	150		17
	413	Sands & gravel	11	12	108
	415	Limestone & dolomite	3	50	
	416	Building stone	39		14
	418	Petroleum		1,200	
	419	Other non-metallic minerals	1,332	620	44
	423	Other metallic ores & concentrates	13		140
	424	Metal waste and scrap	1,748	4,205	1,746
	513	Gas oils	1	28	
	522	Lubricants	140	1,207	211
	611	Organic chemicals	149	2	
	612	Inorganic chemicals	93	38	27
	614	Synthetic rubber	482	6	694
	615	Urea	67	44	25
	617	Phosphatic fertilizers		109	18
	618	Other fertilizers	784	290	179
	619	Petrochemicals	3,631	1,299	1,166
	711	Paints, inks & coloring agents	163	128	136
	712	Vitamins & pharmaceuticals	167	48	120
	713	Soap & toiletries	360	1,438	520
	714	Plastics	44	14	5
	715	Pest control products	12	170	47
	716	Other chemical products	31,290	26,280	14,173
	722	Tires	52	297	151
	723	Other rubber products	4,073	3,756	10,274
	724	Veneer & plywood	7,302	2,408	9,617
	725	Wood & cork products	7,902	1,984	2,588
	727	Textiles	1,505	6,864	470
	728	Apparel	46	64	41
	729	Carpets, blankets, other woven products	30	20	30
	731	Trunks, suitcases & handbags		19	25
	734	Photographic equipment & materials	23	22	27
	735	Household utensils	742	542	7,036
	811	Cements	7,804	4,678	
	812	Cement clinkers	150		
	813	Limes			38
	814	Building stone	2	11	102
	816	Bricks & blocks		24	366
	817	Tiles & building ceramics	2	26	27

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TABLE D. 2
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT INWARD DOMESTIC CARGO FLOWS 1991-1993

(Continued)

ORIGIN		COMMODITY	CARGO (MT) 1991	1992	1993
	818	Glass & products (excluding bottles)	582	1,013	570
	819	Glass bottles	30,311	29,769	8,466
	821	Iron & steel basic products	250	65	486
	824	Other metal products			12
	825	Metal building parts	1,364	796	13,240
	826	Building equipment	5	1	14
	911	Office equipment	3	1	19
	912	Communications equipment	43	105	39
	913	Lighting & electrical parts	507	319	358
	915	Road transport equipment	2,494	7,546	40,237
	916	Special purpose road vehicles	43	26	43
	917	Other transport equipment & parts	36	21	6
	921	Furniture	3,515	1,665	730
	924	Refrigerators & freezers	30	13	8
	925	Other household equipment	21	8	31
STA. ANA PIER, STA. ANA DISTRICT DAVAO CITY					
	133	Unmilled maize	3,200	2,513	
	192	Other oil seeds		147	
	724	Veneer & plywood		64	
MALALAG CAUSEWAY/WHARF MALALAG, DAVAO DEL SUR					
	133	Unmilled maize	1,125	4,707	
	224	Sugar		3,825	
OTHER PRIVATE PORTS (DAVAO SUR)					
	133	Unmilled maize			660
	811	Cements	6,600		
	311	Unprocessed wood (excluding firewood)			31
NIDC OIL MILLS INCORPORATED, SASA, DAVAO CITY					
		Minor flows			18
	000	All other commodity			18
	113	Swine			79
	133	Unmilled maize			510
	155	Other vegetables			16
	166	Melons & papaya			16
	197	Other agricultural commodities (n.e.s.)			743
	223	Preserved fruits & products			22
	227	Animal Feeds			85
	237	Other vegetable oils			192
	311	Unprocessed wood (excluding firewood)			40
	313	Wood charcoal			342
	716	Other chemical products			34
	724	Veneer & plywood			257
	725	Wood & cork products			34
	817	Tiles & building ceramics			15
	921	Furniture			18
TEFASCO, ILANG TIBUNGKO, DAVAO CITY					
		Minor flows	35	38	34
	000	All other commodity	969	3,497	3,344
	111	Cattle & Carabao	487		
	115	Other live animals	63		
	122	Fish, preserved	19	6	11
	125	Other seafood	74	12	36
	132	Milled rice	108	52	59
	133	Unmilled maize	5,711	15,691	5,978
	134	Corn grits & meal	657	610	173

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TABLE D. 2
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT INWARD DOMESTIC CARGO FLOWS 1991-1993

(Continued)

ORIGIN		COMMODITY	CARGO (MT) 1991	1992	1993
	141	Potatoes	191	13	
	142	Peas & beans	34	0	14
	143	Root crops	34	6	5
	146	Fieldcrop legumes	37		9
	151	Tomatoes	5,417	2,565	50
	155	Other vegetables	212	63	12
	161	Citrus fruit	5,212	2,910	317
	162	Bananas	34,139	20,351	17,330
	164	Pineapples	1	115	3
	165	Mangoes, avocados, guavas, mangosteen	132	88	3
	166	Melons & papaya	1,726	543	247
	167	Other fresh fruit	218	173	14
	171	Coconuts	2	12	3
	172	Copra		763	108
	174	Coffee beans (untreated)	1,434	274	459
	175	Cocoa beans	298	88	383
	176	Palm nuts & kernels	19	3	
	177	Natural rubber & latex	16,684	9,830	2,877
	183	Other processed fibers			14
	192	Other oil seeds	1,056	541	1,009
	197	Other agricultural commodities (n.e.s.)		1	51
	212	Dairy products	59	14	2
	215	Animal oils	9	12	2
	221	Flour & related products from grain	20	129	5
	222	Other field crop & vegetable meal, etc.	224	148	104
	223	Preserved fruits & products	64	21	5
	226	Other food preparations	150	61	79
	227	Animal Feeds	1,231	5,409	4,468
	231	Fruit & vegetable juices	13	2	1
	232	Processed coffee, cocoa & tea	1,128	45	200
	235	Other alcoholic beverages	1	202	
	246	By products & residue of cotton			27
	250	Tobacco products	29		
	311	Unprocessed wood (excluding firewood)	7,022	6,872	7,278
	411	Natural fertilizers	6	10	
	412	Salt	20		
	419	Other non-metallic minerals	4	31	0
	424	Metal waste and scrap	99	42	
	514	Fuel oils	26		
	522	Lubricants	17	2	10
	611	Organic chemicals	1		39
	612	Inorganic chemicals	3	1	11
	614	Synthetic rubber	0		603
	618	Other fertilizers		10	9
	619	Petrochemicals	157	177	36
	711	Paints, inks & coloring agents	47	128	149
	712	Vitamins & pharmaceuticals	190	110	205
	713	Soap & toiletries	676	983	296
	714	Plastics		4	95
	715	Pest control products	37	28	
	716	Other chemical products	134	209	183
	722	Tires	553	37	32
	723	Other rubber products	152	510	617
	724	Veneer & plywood	44,693	33,230	22,863
	725	Wood & cork products	105	30	123

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TABLE D. 2
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT INWARD DOMESTIC CARGO FLOWS 1991-1993

(Continued)

ORIGIN		COMMODITY	CARGO (MT)		
			1991	1992	1993
	727	Textiles	35	69	60
	728	Apparel	13	23	22
	729	Carpets, blankets, other woven products	10	21	5
	731	Trunks, suitcases & handbags	0	13	5
	733	Meters & measuring instruments	2	6	75
	734	Photographic equipment & materials	52	6	3
	735	Household utensils	287	358	274
	811	Cements	31	320	
	817	Tiles & building ceramics	2	35	44
	818	Glass & products (excluding bottles)	77	30	1
	819	Glass bottles	21	86	83
	821	Iron & steel basic products	40	108	219
	822	Copper products	2	4	10
	825	Metal building parts	78	63	72
	911	Office equipment	4	15	21
	912	Communications equipment	12	4	9
	913	Lighting & electrical parts	52	59	151
	915	Road transport equipment	300	316	286
	916	Special purpose road vehicles			10
	917	Other transport equipment & parts	15	7	8
	921	Furniture	269	123	200
BAGANGA (LAMBAJON) CAUSEWAY/PIER, DAVAO ORIENTAL					
	311	Unprocessed wood (excluding firewood)		408	
NORTH CAMARINES LUMBER CO. INC., NORCAMCO PIER, BAGANGA,					
		Minor flows	2		
	311	Unprocessed wood (excluding firewood)	1,971		
	725	Wood & cork products	47		
ILOILO,ILOILO CITY					
		Minor flows	41	51	56
	000	All other commodity	1,269	2,798	3,502
	111	Cattle & Carabao	2,754	1,733	1,342
	112	Goats	104	107	101
	113	Swine	3,655	2,990	3,615
	115	Other live animals	24	6	2
	121	Fish, fresh or chilled	12,149	16,452	12,462
	122	Fish, preserved	3,971	5,701	3,486
	123	Frozen shellfish	652	415	1,545
	125	Other seafood	34	71	126
	131	Palay	15	0	132
	132	Milled rice	3,916	6,205	17,090
	133	Unmilled maize	5,805	6,919	16,462
	134	Corn grits & meal	43	2	46
	135	Other unmilled grains	36	3,175	
	142	Peas & beans	562	497	574
	143	Root crops	22	17	8
	144	Sugarcane			400
	146	Fieldcrop legumes	216	448	171
	155	Other vegetables	127	7	57
	161	Citrus fruit	15	2	8
	162	Bananas	351	153	119
	165	Mangoes, avocados, guavas, mangosteen	2,473	1,790	2,331
	166	Melons & papaya	3,912	1,465	2,509
	167	Other fresh fruit	21	66	82
	172	Copra		411	51
	173	Cashew nuts	72	196	

TABLE D. 2
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT INWARD DOMESTIC CARGO FLOWS 1991-1993

(Continued)

ORIGIN		COMMODITY	CARGO (MT)		
			1991	1992	1993
	174	Coffee beans (untreated)	923	1,656	1,715
	175	Cocoa beans			45
	177	Natural rubber & latex		4	38
	192	Other oil seeds	126	294	23
	193	Other spices	108	0	2
	194	Bamboo	24	4	40
	196	Other vegetable raw materials	1	300	1
	197	Other agricultural commodities (n.e.s.)	2	4	15
	211	Meat	50	28	44
	212	Dairy products	264	446	399
	214	Hides & skins	169	366	323
	215	Animal oils	103	152	26
	216	Other animal products	102	100	62
	221	Flour & related products from grain	3,341	22,868	16,828
	222	Other field crop & vegetable meal, etc.		15	11
	223	Preserved fruits & products	153	383	1,244
	224	Sugar	23,684	43,607	48,456
	225	Molasses & related products	6,371	14,218	8,218
	226	Other food preparations	197	229	275
	227	Animal Feeds	1,772	4,342	5,089
	231	Fruit & vegetable juices	0	156	83
	232	Processed coffee, cocoa & tea	37	123	17
	233	Mineral water & aerated beverages		79	606
	234	Beer	67	274	50
	235	Other alcoholic beverages	147	442	86
	236	Coconut oil		3,215	
	237	Other vegetable oils			21
	246	By products & residue of cotton	215	75	
	311	Unprocessed wood (excluding firewood)	3	2	33
	312	Firewood (fuelwood)	13		20
	411	Natural fertilizers		18	26
	412	Salt	12	4	0
	413	Sands & gravel	17	8	39
	414	Marble	1	38	
	415	Limestone & dolomite	12		
	419	Other non-metallic minerals	1,927	2,411	1,598
	424	Metal waste and scrap	652	1,712	1,524
	513	Gas oils	8	20	3
	514	Fuel oils	21	8	1
	522	Lubricants	31	51	67
	523	Other products	10	18	
	611	Organic chemicals	0	2	168
	612	Inorganic chemicals	100	6	50
	617	Phosphatic fertilizers	32		
	618	Other fertilizers	35	36	3,667
	619	Petrochemicals	726	307	264
	711	Paints, inks & coloring agents	57	97	70
	712	Vitamins & pharmaceuticals	88	118	211
	713	Soap & toiletries	315	405	577
	714	Plastics	36	3	4
	715	Pest control products	12		26
	716	Other chemical products	21	49	84
	722	Tires	2	42	19
	723	Other rubber products	23	43	38
	724	Veneer & plywood	7	4	29

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TABLE D. 2
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT INWARD DOMESTIC CARGO FLOWS 1991-1993

(Continued)

ORIGIN		COMMODITY	CARGO (MT) 1991	1992	1993
	725	Wood & cork products	47	120	67
	727	Textiles	14	22	84
	728	Apparel	12	68	111
	729	Carpets, blankets, other woven products	104	49	109
	734	Photographic equipment & materials	70	59	65
	735	Household utensils	1,398	1,445	1,273
	811	Cements	1,117	41	5
	813	Limes	270	18	280
	814	Building stone	11	7	17
	816	Bricks & blocks		6	10
	818	Glass & products (excluding bottles)	353	330	228
	819	Glass bottles	10,429	233,085	28,155
	821	Iron & steel basic products	18	41	83
	823	Aluminum products		11	6
	825	Metal building parts	217	387	583
	911	Office equipment	16	18	2
	912	Communications equipment	10	15	6
	913	Lighting & electrical parts	36	78	41
	915	Road transport equipment	744	788	3,585
	916	Special purpose road vehicles		30	143
	917	Other transport equipment & parts	5	11	34
	921	Furniture	76	103	191
	922	Lamps	16	17	0
	925	Other household equipment	78	28	192
ESTANCIA CAUSEWAY/PIER ESTANCIA, ILOILO					
		Minor flows	13	23	42
	000	All other commodity	0	42	16
	121	Fish, fresh or chilled	94	540	1,627
	122	Fish, preserved	178	1,596	1,653
	125	Other seafood		15	81
	132	Milled rice	9	43	58
	133	Unmilled maize			13
	216	Other animal products		4	11
	224	Sugar			600
	225	Molasses & related products		2,717	3,191
	419	Other non-metallic minerals	31	128	706
	711	Paints, inks & coloring agents		20	
	725	Wood & cork products	1	1	10
	915	Road transport equipment		12	7
JORDAN, GUIMARAS, ILOILO					
	000	All other commodity		109	
	915	Road transport equipment		75	
	916	Special purpose road vehicles		56	
OTHER PRIVATE PORTS (ILOILO)					
	000	All other commodity	1,100		20
	225	Molasses & related products	2,753	1,414	
	236	Coconut oil	1,000	900	
GUIMARAS BULK SUGAR INSTALLATION (BULK), GUIMARAS					
	224	Sugar		4,343	
	225	Molasses & related products	1,000	942	
PILIPINAS SHELL ILOILO RIVER, ILOILO BASEPORT					
		Minor flows	34	17	
	000	All other commodity	135	10	
	111	Cattle & Carabao	12		
	121	Fish, fresh or chilled		44	

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TABLE D. 2

MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT INWARD DOMESTIC CARGO FLOWS 1991-1993

(Continued)

ORIGIN		COMMODITY	CARGO (MT) 1991	1992	1993
	123	Frozen shellfish	254	18	
	132	Milled rice	0	391	
	133	Unmilled maize	35	578	
	181	Abaca	13		
	212	Dairy products	18		
	221	Flour & related products from grain	265		
	223	Preserved fruits & products		13	
	224	Sugar	150	15	
	227	Animal Feeds	532	653	
	231	Fruit & vegetable juices	13		
	419	Other non-metallic minerals	66	18	
	424	Metal waste and scrap	94	36	
	619	Petrochemicals	10	9	
	735	Household utensils	75		
	819	Glass bottles	891	139	
	825	Metal building parts	76	5	
	915	Road transport equipment	16		
PORT COMPLEX BRGY. LOBAC, ILOILO CITY					
		Minor flows	11	15	7
	000	All other commodity	713	1,344	236
	111	Cattle & Carabao	373		2
	112	Goats	70	4	
	113	Swine	430	73	38
	115	Other live animals	66		
	121	Fish, fresh or chilled	110	123	48
	123	Frozen shellfish	1,173	973	428
	124	Seaweed	11		
	125	Other seafood		35	1
	132	Milled rice	507	149	345
	133	Unmilled maize	3,653	3,165	232
	134	Corn grits & meal	105		
	135	Other unmilled grains	53	30	
	142	Peas & beans	59		9
	145	Tobacco	12	69	
	162	Bananas	13	46	
	165	Mangoes, avocados, guavas, mangosteen	8	11	25
	166	Melons & papaya		445	54
	171	Coconuts	12		
	172	Copra	20	158	
	174	Coffee beans (untreated)	234	14	
	181	Abaca	18		
	183	Other processed fibers	27		
	212	Dairy products	104	73	34
	214	Hides & skins		18	14
	221	Flour & related products from grain	672	396	11
	222	Other field crop & vegetable meal, etc.	5	14	14
	223	Preserved fruits & products	26	144	20
	224	Sugar	5,937	12,603	1,169
	225	Molasses & related products		145	52
	226	Other food preparations	92	200	
	227	Animal Feeds	1,016	2,036	80
	231	Fruit & vegetable juices		13	
	232	Processed coffee, cocoa & tea	3	28	
	233	Mineral water & aerated beverages		392	90
	234	Beer	1,079	868	348

TABLE D. 2
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT INWARD DOMESTIC CARGO FLOWS 1991-1993

(Continued)

ORIGIN		COMMODITY	CARGO (MT) 1991	1992	1993
	235	Other alcoholic beverages	20	61	43
	246	By products & residue of cotton	30	45	53
	250	Tobacco products		72	11
	311	Unprocessed wood (excluding firewood)		26	
	314	Wood chips & scrap			20
	411	Natural fertilizers	16		1
	413	Sands & gravel		18	
	419	Other non-metallic minerals	321	666	223
	424	Metal waste and scrap	621	1,424	212
	522	Lubricants	31	49	11
	612	Inorganic chemicals	18		
	615	Urea		51	
	618	Other fertilizers	42	18	
	619	Petrochemicals	688	98	
	711	Paints, inks & coloring agents	12		
	712	Vitamins & pharmaceuticals	62		
	713	Soap & toiletries	11	193	157
	716	Other chemical products		13	
	722	Tires	10	46	
	725	Wood & cork products	136	6	10
	727	Textiles	57		
	728	Apparel	1	14	
	729	Carpets, blankets, other woven products	64	28	
	735	Household utensils	121	223	
	811	Cements	366		
	818	Glass & products (excluding bottles)	174	72	139
	819	Glass bottles	7,778	8,699	982
	821	Iron & steel basic products	27	35	
	825	Metal building parts	98	209	19
	912	Communications equipment	6	10	
	913	Lighting & electrical parts	1	38	
	915	Road transport equipment	127	211	33
	921	Furniture	15	6	
	924	Refrigerators & freezers	23	0	11
	925	Other household equipment	12		
SAN FERNANDO, LA UNION					
	311	Unprocessed wood (excluding firewood)	124		
	915	Road transport equipment	100		
ILIGAN CITY					
		Minor flows	57	21	36
	000	All other commodity	1,272	6,743	7,215
	111	Cattle & Carabao	681	439	213
	113	Swine	1,699	1,577	163
	121	Fish, fresh or chilled	4	197	2
	132	Milled rice	21	3	5
	133	Unmilled maize	9,073	11,485	6,440
	134	Corn grits & meal	705	942	1,882
	135	Other unmilled grains	27		
	143	Root crops	70	42	39
	145	Tobacco	91	413	60
	146	Fieldcrop legumes	3	113	3
	151	Tomatoes	208	6	0
	155	Other vegetables	11	0	2
	161	Citrus fruit			14
	162	Bananas	5,964	3,937	2,469

TABLE D. 2
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT INWARD
DOMESTIC CARGO FLOWS 1991-1993

(Continued)

ORIGIN		COMMODITY	CARGO (MT) 1991	1992	1993
	165	Mangoes, avocados, guavas, mangosteen	316	395	67
	166	Melons & papaya		26	
	167	Other fresh fruit	119	38	43
	171	Coconuts	136	0	
	174	Coffee beans (untreated)		36	
	181	Abaca	2,929	2,374	4,286
	183	Other processed fibers		10	
	192	Other oil seeds	802	138	713
	195	Rattan	167		20
	196	Other vegetable raw materials	24		102
	197	Other agricultural commodities (n.e.s.)	26	8	7
	212	Dairy products	7	8	222
	214	Hides & skins	42	17	4
	216	Other animal products	21	31	10
	221	Flour & related products from grain	2,707	3,528	1,840
	222	Other field crop & vegetable meal, etc.	64	44	
	224	Sugar	95	59	54
	226	Other food preparations	242	53	102
	227	Animal Feeds	925	2,780	2,744
	233	Mineral water & aerated beverages		130	0
	235	Other alcoholic beverages	144	2	69
	243	Abaca	317	540	
	311	Unprocessed wood (excluding firewood)	6,604	6,963	1,217
	313	Wood charcoal	291	811	60
	314	Wood chips & scrap	0	111	
	316	Wood pulp	489	957	
	411	Natural fertilizers		236	
	412	Salt	20		33
	413	Sands & gravel		57	
	418	Petroleum			24
	419	Other non-metallic minerals	3		43
	423	Other metallic ores & concentrates			108
	424	Metal waste and scrap	288	844	398
	522	Lubricants	110	54	44
	523	Other products	18		
	611	Organic chemicals	1	92	
	612	Inorganic chemicals	20,799	25,066	17,528
	618	Other fertilizers		11	
	619	Petrochemicals	13,822	12,853	13,844
	711	Paints, inks & coloring agents	3	3	53
	713	Soap & toiletries	1	311	59
	714	Plastics	360	169	39
	716	Other chemical products	971	506	454
	722	Tires	5	12	1
	723	Other rubber products	40	38	42
	724	Veneer & plywood	66	92	300
	725	Wood & cork products	33	132	86
	727	Textiles	4	1	15
	728	Apparel	17	8	8
	731	Trunks, suitcases & handbags	38	6	119
	734	Photographic equipment & materials	12	3	29
	735	Household utensils	714	2,364	2,041
	811	Cements	1,117	323	25
	813	Limes	4	103	32
	816	Bricks & blocks	8,692	10,214	6,357

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TABLE D. 2
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT INWARD DOMESTIC CARGO FLOWS 1991-1993

(Continued)

ORIGIN		COMMODITY	CARGO (MT) 1991	1992	1993
	817	Tiles & building ceramics	1,563	193	532
	818	Glass & products (excluding bottles)	304	8	21
	819	Glass bottles	6,538	5,682	2,671
	821	Iron & steel basic products	41,862	21,113	13,100
	824	Other metal products	0	10	
	825	Metal building parts	20	100	595
	826	Building equipment	14	3	10
	913	Lighting & electrical parts	108	177	432
	915	Road transport equipment	247	365	416
	916	Special purpose road vehicles	5	107	
	918	Other equipment & parts	13		
	921	Furniture	27	49	21
	924	Refrigerators & freezers	1	1	12
KOLAMBUGAN CAUSEWAY/PIER KOLAMBUGAN, LANAO DEL NORTE					
	311	Unprocessed wood (excluding firewood)	32		1,656
	724	Veneer & plywood		562	218
OTHER PRIVATE PORTS LANAO DEL NORTE					
		Minor flows	6		
	000	All other commodity	50		
	716	Other chemical products		85	
	915	Road transport equipment	72		
	916	Special purpose road vehicles	28		
GRANEX EXPORT INCORPORATED, KIWALAN (GRANEX PORT), ILIGAN C					
	172	Copra		1,546	
	192	Other oil seeds		1,019	
	226	Other food preparations	17		
	227	Animal Feeds		2,333	1,720
	811	Cements	1,800		
ILIGAN CEMENT CORPORATION, KIWALAN, ILIGAN CITY					
		Minor flows	3		
	000	All other commodity	38	3	348
	724	Veneer & plywood	148	1,765	
	811	Cements	40,565	6,520	31,480
ILIGAN COCONUT INDUSTRIES, STA. FILOMENA, ILIGAN CITY					
	000	All other commodity	204		
	811	Cements	11,040		
MARIA CRISTINA CHEMICAL INDUSTRIES, AGUS, BURUUN, ILIGAN					
	612	Inorganic chemicals	20,434	14,655	11,205
MA. CRISTINA FERTILIZER CORPORATION, FUENTES, ILIGAN CITY					
	612	Inorganic chemicals		2,295	
MINDANAO PORTLAND CEMENT CORPORATION, KIWALAN, ILIGAN CIT					
	000	All other commodity	6,011		
	811	Cements			960
NATIONAL STEEL CORPORATION SUAREZ, ILIGAN CITY					
		Minor flows	6		
	000	All other commodity	28,851	60,220	32,200
	227	Animal Feeds	23,000		
	424	Metal waste and scrap	36	7,302	
	513	Gas oils			919
	819	Glass bottles	6,636		
	821	Iron & steel basic products	200,903	315,403	484,695
	823	Aluminum products			1,850
	824	Other metal products	2,100	1,000	1,592
	825	Metal building parts		17,975	45,650
TACLOBAN, LEYTE DEL NORTE					

TABLE D. 2
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT INWARD
DOMESTIC CARGO FLOWS 1991-1993

(Continued)

ORIGIN		COMMODITY	CARGO (MT)		
			1991	1992	1993
		Minor flows	50	44	46
	000	All other commodity	843	1,127	1,567
	113	Swine	17	15	13
	121	Fish, fresh or chilled	629	592	313
	123	Frozen shellfish	2,073	261	92
	124	Seaweed		47	
	125	Other seafood	293	140	32
	132	Milled rice	158	90	195
	133	Unmilled maize	132		0
	134	Corn grits & meal			31
	143	Root crops	13	6	0
	155	Other vegetables	16	40	61
	162	Bananas	53	88	180
	171	Coconuts	0	180	0
	172	Copra	572	10	12
	181	Abaca	2,849	1,253	2,205
	192	Other oil seeds		289	752
	195	Rattan	279	23	
	197	Other agricultural commodities (n.e.s.)	954	612	69
	211	Meat	1	5	54
	212	Dairy products	144	58	516
	214	Hides & skins	212	216	219
	216	Other animal products	86	74	212
	221	Flour & related products from grain	4	9	65
	226	Other food preparations	188	117	287
	227	Animal Feeds	907	190	641
	231	Fruit & vegetable juices	12	13	0
	233	Mineral water & aerated beverages	8	13	
	234	Beer	505		909
	235	Other alcoholic beverages	341	84	244
	243	Abaca			60
	250	Tobacco products	12	1	2
	311	Unprocessed wood (excluding firewood)	1,285	24	48
	313	Wood charcoal	185	521	181
	314	Wood chips & scrap	41		
	315	Railway slippers	43		
	424	Metal waste and scrap	567	609	298
	522	Lubricants	5	1	18
	712	Vitamins & pharmaceuticals	93	77	105
	713	Soap & toiletries	356	250	306
	715	Pest control products	51	6	6
	716	Other chemical products	0	4	18
	722	Tires	3	2	12
	723	Other rubber products	14	6	
	724	Veneer & plywood	50	759	144
	725	Wood & cork products	27	24	68
	727	Textiles	64	4	2
	728	Apparel	23	63	7
	731	Trunks, suitcases & handbags	10		
	735	Household utensils	693	134	95
	816	Bricks & blocks	16		1
	818	Glass & products (excluding bottles)	63	8	18
	819	Glass bottles	2,167	4,507	1,980
	821	Iron & steel basic products	43	3	8
	825	Metal building parts	370	211	308

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TABLE D. 2
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT INWARD DOMESTIC CARGO FLOWS 1991-1993

(Continued)

ORIGIN		COMMODITY	CARGO (MT) 1991	1992	1993
	911	Office equipment	0	15	5
	913	Lighting & electrical parts	32	3	9
	915	Road transport equipment	515	388	500
	916	Special purpose road vehicles			13
	917	Other transport equipment & parts	32	5	6
	921	Furniture	71	5	24
	924	Refrigerators & freezers	47	1	3
PALOMPON, LEYTE					
		Minor flows	41	22	35
	000	All other commodity	183	1,545	657
	132	Milled rice	18	3	11
	145	Tobacco			50
	162	Bananas	54	9	35
	172	Copra	1,251	1,048	
	414	Marble			41
	415	Limestone & dolomite			23
	419	Other non-metallic minerals		181	0
	422	Copper ores & concentrates	253	155	
	423	Other metallic ores & concentrates	43		
	424	Metal waste and scrap	74	80	
	612	Inorganic chemicals	35	5	
	722	Tires			11
	727	Textiles		36	7
	813	Limes	391	610	406
	819	Glass bottles			23
	822	Copper products	2,251	36	861
	824	Other metal products	49		
	913	Lighting & electrical parts	1	101	5
	915	Road transport equipment	49	44	4
	916	Special purpose road vehicles		10	10
ORMOC, ORMOC CITY CAUSEWAY/PIER LEYTE DEL NORTE					
		Minor flows	82	42	49
	000	All other commodity	124	118	134
	111	Cattle & Carabao	674	27	24
	115	Other live animals	16		
	125	Other seafood	1	11	
	132	Milled rice	30	16	27
	133	Unmilled maize		44	
	134	Corn grits & meal	12		
	162	Bananas	10	3	90
	172	Copra	81	976	149
	181	Abaca			33
	197	Other agricultural commodities (n.e.s.)	93	5	5
	211	Meat	86	1	0
	214	Hides & skins	60	28	24
	224	Sugar	401	127	45
	225	Molasses & related products		1,086	3,000
	226	Other food preparations	3	12	5
	227	Animal Feeds	74	76	
	311	Unprocessed wood (excluding firewood)	187	42	22
	313	Wood charcoal		28	11
	412	Salt			20
	413	Sands & gravel	110	50	35
	419	Other non-metallic minerals	76		24
	424	Metal waste and scrap	95	183	58

TABLE D. 2
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT INWARD
DOMESTIC CARGO FLOWS 1991-1993

(Continued)

ORIGIN		COMMODITY	CARGO (MT) 1991	1992	1993
	618	Other fertilizers	51	23	43
	712	Vitamins & pharmaceuticals			13
	713	Soap & toiletries	4		15
	811	Cements	12	115	
	819	Glass bottles	249	139	22
	821	Iron & steel basic products	8		18
	825	Metal building parts	6	189	3
	915	Road transport equipment	226	245	41
	916	Special purpose road vehicles	20		
OTHER PRIVATE PORTS (LEYTE)					
	236	Coconut oil	1,000	687	
ORMOC SUGAR COMPANY INCORPORATED IPIL, ORMOC CITY					
	225	Molasses & related products	2,850		
NIDC, TANAUAN, LEYTE					
	236	Coconut oil	9,105		
PASAR, ISABEL, LEYTE					
		Minor flows	7		
	000	All other commodity	1,501		
	513	Gas oils	80		
	612	Inorganic chemicals	26,515		
	821	Iron & steel basic products	104		
	822	Copper products	14,178		
PHILPHOS, ISABEL, LEYTE					
	419	Other non-metallic minerals	28,178		
	618	Other fertilizers	75,916		
POLLOC, COTABATO					
		Minor flows		77	19
	000	All other commodity		358	186
	111	Cattle & Carabao		733	138
	123	Frozen shellfish		54	
	132	Milled rice		2,683	99
	133	Unmilled maize		39,811	5,565
	134	Corn grits & meal		54	
	142	Peas & beans		440	241
	145	Tobacco		70	15
	146	Fieldcrop legumes		291	
	162	Bananas		60	4
	165	Mangoes, avocados, guavas, mangosteen		12	
	172	Copra		1,621	169
	174	Coffee beans (untreated)		63	46
	175	Cocoa beans		23	
	177	Natural rubber & latex			76
	192	Other oil seeds		111	
	211	Meat		40	
	223	Preserved fruits & products		26	21
	226	Other food preparations		46	0
	227	Animal Feeds		2,687	490
	232	Processed coffee, cocoa & tea		14	
	234	Beer		20	
	235	Other alcoholic beverages		39	
	250	Tobacco products		72	0
	311	Unprocessed wood (excluding firewood)		9,412	448
	424	Metal waste and scrap		336	90
	619	Petrochemicals		13	
	711	Paints, inks & coloring agents		154	29

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TABLE D. 2
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT INWARD DOMESTIC CARGO FLOWS 1991-1993

(Continued)

ORIGIN		COMMODITY	CARGO (MT) 1991	1992	1993
	716	Other chemical products		13,596	3,966
	724	Veneer & plywood		3,997	2,892
	728	Apparel		208	13
	735	Household utensils		18	4
	819	Glass bottles		2,138	308
	821	Iron & steel basic products		11	
	826	Building equipment			16
	915	Road transport equipment		52	5
	921	Furniture		11	
	925	Other household equipment			16
COTABATO, COTABATO CITY, MAGUINDANAO					
		Minor flows			9
	000	All other commodity		65	14
	133	Unmilled maize			1,672
	134	Corn grits & meal		79	15
	145	Tobacco			24
	172	Copra		105	
	175	Cocoa beans			12
	223	Preserved fruits & products			17
	227	Animal Feeds		150	191
	311	Unprocessed wood (excluding firewood)			34
	716	Other chemical products		6,748	4,556
	819	Glass bottles			211
KALAMANSIG, SULTAN KUDARAT					
	311	Unprocessed wood (excluding firewood)		1,650	2,468
MANILA (FIRST DISTRICT) NORTH HARBOR					
		Minor flows	9	23	7
	000	All other commodity	0	897	58
	114	Poultry		25	
	121	Fish, fresh or chilled		36	
	123	Frozen shellfish		25	
	133	Unmilled maize	324		
	172	Copra	116		
	181	Abaca	10		
	192	Other oil seeds		49	
	212	Dairy products	36	247	
	221	Flour & related products from grain	72		
	224	Sugar		1,425	
	226	Other food preparations	2	146	
	227	Animal Feeds	10	24	
	232	Processed coffee, cocoa & tea	28		
	233	Mineral water & aerated beverages	36		
	234	Beer		99	
	235	Other alcoholic beverages	60	74	
	241	Cotton, carded or combed	10		
	245	Vegetable fibers	33		
	311	Unprocessed wood (excluding firewood)		685	
	313	Wood charcoal	10		
	413	Sands & gravel		360	1,047
	415	Limestone & dolomite	36		
	416	Building stone	115	108	
	424	Metal waste and scrap		78	
	522	Lubricants		863	
	611	Organic chemicals		14	
	612	Inorganic chemicals	1,269	18	

TABLE D. 2
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT INWARD DOMESTIC CARGO FLOWS 1991-1993

(Continued)

ORIGIN		COMMODITY	CARGO (MT) 1991	1992	1993
	618	Other fertilizers	35	56	
	713	Soap & toiletries		74	
	716	Other chemical products	360		
	724	Veneer & plywood		29	
	725	Wood & cork products	18	1	
	728	Apparel	0	79	
	729	Carpets, blankets, other woven products	0	25	
	735	Household utensils	1	18	
	816	Bricks & blocks		93	
	817	Tiles & building ceramics			11
	818	Glass & products (excluding bottles)		49	642
	819	Glass bottles	61	481	
	821	Iron & steel basic products	0	31	
	825	Metal building parts	85	23	6
	915	Road transport equipment	23	60	679
	916	Special purpose road vehicles	139	2	
	921	Furniture	34	1	
STA. CRUZ, MARINDUQUE (BUYABOD)					
		Minor flows		16	12
	725	Wood & cork products		13	
	825	Metal building parts		16	
	915	Road transport equipment		12	2
BALANACAN, MARINDUQUE					
		Minor flows	7	6	
	172	Copra	10	48	
	221	Flour & related products from grain	13		
MARCOPPER MINING CORPORATION PIER ROCK CAUSEWAY, SITIO KAY-					
		Minor flows	7	20	10
	000	All other commodity	74	522	355
	311	Unprocessed wood (excluding firewood)		1	12
	422	Copper ores & concentrates		4,500	10,300
	424	Metal waste and scrap	787	565	308
	522	Lubricants	900		
	722	Tires	10	20	6
	725	Wood & cork products	16	45	19
	817	Tiles & building ceramics			18
	821	Iron & steel basic products			26
	825	Metal building parts	1,647	395	820
	915	Road transport equipment	661	305	616
	916	Special purpose road vehicles		267	20
MASBATE, MASBATE					
		Minor flows	37	50	46
	000	All other commodity	100	21	12
	111	Cattle & Carabao	637	621	945
	113	Swine	94	58	48
	115	Other live animals	159	26	22
	121	Fish, fresh or chilled	254	125	196
	122	Fish, preserved	484	131	330
	123	Frozen shellfish	63	17	76
	124	Seaweed		4	19
	125	Other seafood	63	11	39
	132	Milled rice	13	3	46
	133	Unmilled maize	267	105	558
	134	Corn grits & meal	467	113	273
	142	Peas & beans	7	3	18

TABLE D. 2
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT INWARD DOMESTIC CARGO FLOWS 1991-1993

(Continued)

ORIGIN		COMMODITY	CARGO (MT) 1991	1992	1993
	172	Copra	2,544	2,174	3,065
	197	Other agricultural commodities (n.e.s.)	236	15	0
	214	Hides & skins	26	2	3
	216	Other animal products	68	17	22
	227	Animal Feeds	41	65	32
	250	Tobacco products	13		
	313	Wood charcoal	95	53	14
	412	Salt		26	
	413	Sands & gravel	9		14
	419	Other non-metallic minerals		50	
	424	Metal waste and scrap	144	13	32
	619	Petrochemicals	11	1	1
	722	Tires	0		17
	725	Wood & cork products	3	1	16
	735	Household utensils	67	261	117
	819	Glass bottles	5,300	4,539	5,382
	825	Metal building parts	10	3	15
	915	Road transport equipment	39	69	30
LEGASPI OIL COMPANY INCORPORATED MASBATE					
	172	Copra			1,000
OZAMIS, OZAMIS CITY					
		Minor flows	64	47	30
	000	All other commodity	543	664	2,175
	111	Cattle & Carabao	1,687	2,363	2,235
	112	Goats	29	30	1
	113	Swine	104	267	27
	121	Fish, fresh or chilled	4	110	100
	122	Fish, preserved	11	1	1
	123	Frozen shellfish	962	440	347
	125	Other seafood	11	1	59
	131	Palay			30
	132	Milled rice	397	123	1,292
	133	Unmilled maize	707	581	467
	134	Corn grits & meal	1,636	1,365	2,267
	142	Peas & beans	6	10	21
	143	Root crops	1,029	1,449	914
	151	Tomatoes	1,040	378	198
	155	Other vegetables	49	1	12
	161	Citrus fruit	3	8	55
	162	Bananas	3,757	3,235	2,723
	165	Mangoes, avocados, guavas, mangosteen	6	84	71
	171	Coconuts	1,176	5,631	1,605
	172	Copra	776	498	
	183	Other processed fibers		31	
	192	Other oil seeds	1,010	2,007	5,427
	194	Bamboo		0	36
	211	Meat	5	224	63
	212	Dairy products	184	101	221
	214	Hides & skins	72	37	27
	215	Animal oils	63	32	9
	216	Other animal products	95	54	9
	221	Flour & related products from grain	6,842	2,820	4,024
	222	Other field crop & vegetable meal, etc.	28	456	1,574
	223	Preserved fruits & products	435	1,502	472
	226	Other food preparations	479	936	260

TABLE D. 2
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT INWARD DOMESTIC CARGO FLOWS 1991-1993

(Continued)

ORIGIN		COMMODITY	CARGO (MT)		
			1991	1992	1993
	227	Animal Feeds	3,555	3,994	5,671
	232	Processed coffee, cocoa & tea	205		2
	233	Mineral water & aerated beverages	30	18	
	234	Beer	154	48	
	235	Other alcoholic beverages	44	24	15
	237	Other vegetable oils	12	2	42
	250	Tobacco products	6	4	114
	311	Unprocessed wood (excluding firewood)	1,063	1,243	868
	313	Wood charcoal	1,093	3,416	192
	424	Metal waste and scrap	65	66	98
	612	Inorganic chemicals	0	1	15
	618	Other fertilizers	1		35
	619	Petrochemicals	5	86	2
	712	Vitamins & pharmaceuticals	51	26	73
	713	Soap & toiletries	518	151	38
	715	Pest control products		32	
	716	Other chemical products	6	498	249
	722	Tires	13	10	5
	723	Other rubber products	25	2	1
	725	Wood & cork products	151	25	173
	727	Textiles	32	2	18
	728	Apparel	8	18	6
	729	Carpets, blankets, other woven products	23	2	23
	734	Photographic equipment & materials	19	25	18
	735	Household utensils	141	381	215
	816	Bricks & blocks	1	11	
	819	Glass bottles	21,667	16,898	2,663
	821	Iron & steel basic products	3	10	2
	825	Metal building parts	8	51	63
	911	Office equipment	51	10	0
	912	Communications equipment	1	11	7
	913	Lighting & electrical parts	25	11	26
	915	Road transport equipment	109	129	121
	921	Furniture	9	17	150
	924	Refrigerators & freezers	1	17	5
PLARIDEL CAUSEWAY/PIER MISAMIS OCCIDENTAL					
	000	All other commodity	450		
	313	Wood charcoal	1,050	700	
CAGAYAN DE ORO					
		Minor flows	33	23	14
	000	All other commodity	4,356	4,106	14,528
	111	Cattle & Carabao	3,323	5,851	6,180
	112	Goats	0	7	29
	113	Swine	34	194	120
	114	Poultry		54	1
	115	Other live animals	59	110	60
	132	Milled rice	1,599	835	169
	133	Unmilled maize	46,020	43,459	17,541
	134	Corn grits & meal	5,052	5,553	9,227
	141	Potatoes	14		2
	142	Peas & beans	44	7	48
	143	Root crops	33	18	115
	144	Sugarcane	66		
	145	Tobacco	162	241	121
	146	Fieldcrop legumes	7	23	18

TABLE D. 2
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT INWARD DOMESTIC CARGO FLOWS 1991-1993

(Continued)

ORIGIN		COMMODITY	CARGO (MT) 1991	1992	1993
	151	Tomatoes	2,075	1,335	632
	155	Other vegetables	33	41	
	161	Citrus fruit	8	18	0
	162	Bananas	1,802	1,818	2,232
	164	Pineapples	510	18	90
	165	Mangoes, avocados, guavas, mangosteen	5	9	36
	166	Melons & papaya	8	22	67
	167	Other fresh fruit	42	82	14
	171	Coconuts	293	162	15
	172	Copra	28		
	174	Coffee beans (untreated)	278	201	293
	175	Cocoa beans	42	19	8
	177	Natural rubber & latex	1,177	999	262
	181	Abaca	208	538	84
	183	Other processed fibers	70	4	
	192	Other oil seeds	21	41	35
	195	Rattan	106	852	42
	196	Other vegetable raw materials	24		
	197	Other agricultural commodities (n.e.s.)	295	22	123
	211	Meat	1,174	61	262
	212	Dairy products	1,532	4,175	4,255
	214	Hides & skins	59		139
	221	Flour & related products from grain	1,675	2,217	408
	222	Other field crop & vegetable meal, etc.	78	210	574
	223	Preserved fruits & products	5,108	2,027	3,391
	224	Sugar	2,586	2,050	7,496
	225	Molasses & related products	4,061	2,001	2
	226	Other food preparations	3,846	3,158	3,665
	227	Animal Feeds	2,919	3,721	3,950
	231	Fruit & vegetable juices	807	2,485	2,205
	232	Processed coffee, cocoa & tea	2,196	5,293	2,759
	233	Mineral water & aerated beverages	18	309	150
	234	Beer	196	9	26
	235	Other alcoholic beverages	234	5	
	236	Coconut oil	15		6
	237	Other vegetable oils	43	77	112
	243	Abaca	23		
	244	Coconut fiber		14	
	245	Vegetable fibers			13
	246	By products & residue of cotton			32
	250	Tobacco products	12	66	8
	311	Unprocessed wood (excluding firewood)	2,140	2,777	2,239
	313	Wood charcoal	8	1,036	268
	412	Salt	108		
	413	Sands & gravel	160	186	29
	414	Marble		44	42
	415	Limestone & dolomite	18		
	416	Building stone	45	159	76
	419	Other non-metallic minerals	641	354	699
	424	Metal waste and scrap	722	1,943	145
	513	Gas oils			18
	514	Fuel oils	25		
	522	Lubricants	69	42	11
	523	Other products	15		
	611	Organic chemicals	32		138

TABLE D. 2
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT INWARD
DOMESTIC CARGO FLOWS 1991-1993

(Continued)

ORIGIN		COMMODITY	CARGO (MT) 1991	1992	1993
	612	Inorganic chemicals	18	346	43
	614	Synthetic rubber		54	0
	618	Other fertilizers	18		730
	619	Petrochemicals	142	60	186
	711	Paints, inks & coloring agents	53	17	
	712	Vitamins & pharmaceuticals	1,002	18	90
	713	Soap & toiletries	52	112	240
	715	Pest control products		18	
	716	Other chemical products	671	259	520
	722	Tires	26	19	66
	723	Other rubber products	67	56	26
	724	Veneer & plywood	11,348	5,139	7,053
	725	Wood & cork products	1,726	4,180	3,185
	727	Textiles	89	930	1
	728	Apparel	23	42	80
	729	Carpets, blankets, other woven products	6	24	65
	732	Medical & optical instruments	2		32
	735	Household utensils	1,329	542	513
	811	Cements	63	84	
	813	Limes	17		
	814	Building stone	7	10	
	816	Bricks & blocks	55		21
	817	Tiles & building ceramics	34		
	818	Glass & products (excluding bottles)		161	53
	819	Glass bottles	7,578	4,267	1,642
	821	Iron & steel basic products	469	459	298
	823	Aluminum products	75		
	825	Metal building parts	381	351	452
	911	Office equipment	13	6	13
	913	Lighting & electrical parts	61	68	20
	915	Road transport equipment	639	949	952
	916	Special purpose road vehicles	29	24	
	918	Other equipment & parts	10		
	921	Furniture	129	363	10
OTHER MUNICIPAL PORTS ORR. MISAMIS					
	313	Wood charcoal	350		
	724	Veneer & plywood			4,290
MEDINA CAUSEWAY/WHARF, MISAMIS ORIENTAL					
	311	Unprocessed wood (excluding firewood)	40		
	724	Veneer & plywood	692	920	
OTHER PRIVATE PORTS ORR. MISAMIS					
	111	Cattle & Carabao	126		
	133	Unmilled maize	35		
	724	Veneer & plywood	19		
	725	Wood & cork products	125		
FLORO CEMENT CORPORATION LUGAIT, MISAMIS ORIENTAL					
		Minor flows			0
	000	All other commodity	11	2	9
	236	Coconut oil	9,111		
	312	Firewood (fuelwood)	900		
	811	Cements	9,444	1,680	39,828
INDO-PHILIPPINES, SAN LUIS, GINGOOG CITY					
		Minor flows	8		
	611	Organic chemicals	230		
	811	Cements	1,000		

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TABLE D. 2
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT INWARD DOMESTIC CARGO FLOWS 1991-1993

(Continued)

ORIGIN		COMMODITY	CARGO (MT) 1991	1992	1993
MINDANAO PLYWOOD CORPORATION LUNAO, GINGOOG CITY					
	724	Veneer & plywood		474	1,219
PHILIPPINE PACKING CORPORATION, BUGO, CAGAYAN DE ORO CITY					
	611	Organic chemicals	230		
PILIPINAS-KAO, LUZ BANZON,JASAAN,					
	000	All other commodity			1,350
	611	Organic chemicals	693		215
RESINS INCORPORATED JASAAN, MISAMIS ORIENTAL					
		Minor flows		2	3
	000	All other commodity	91	655	458
	172	Copra			450
	197	Other agricultural commodities (n.e.s.)	59	1	
	311	Unprocessed wood (excluding firewood)	2,119		
	511	Gasoline & aviation fuel		10	
	513	Gas oils		4	36
	522	Lubricants	14	10	8
	523	Other products		10	
	611	Organic chemicals	3,478	3,244	2,024
	618	Other fertilizers			470
	619	Petrochemicals	1,435	470	30
	711	Paints, inks & coloring agents	35		
	716	Other chemical products	3,388	2,428	4,056
SAN MIGUEL CORPORATION OPOL, MISAMIS ORIENTAL					
	133	Unmilled maize		4,251	
	227	Animal Feeds		750	
PULUPANDAN, NEGROS OCCIDENTAL					
		Minor flows	24	15	10
	000	All other commodity	902	542	1,311
	111	Cattle & Carabao	172	64	
	112	Goats	99	69	12
	113	Swine	516	208	356
	123	Frozen shellfish	3,838	969	678
	124	Seaweed	22	10	77
	125	Other seafood	1	0	251
	132	Milled rice	7	277	140
	133	Unmilled maize	89	448	
	144	Sugarcane		50	
	172	Copra		7	16
	174	Coffee beans (untreated)		18	75
	177	Natural rubber & latex	21		
	183	Other processed fibers		200	2
	197	Other agricultural commodities (n.e.s.)	378		
	212	Dairy products	142	106	153
	214	Hides & skins	57		
	216	Other animal products	0	94	18
	221	Flour & related products from grain	194	958	1,018
	222	Other field crop & vegetable meal, etc.	80		
	224	Sugar	114,911	54,246	45,530
	225	Molasses & related products	1,500	14,328	2,889
	226	Other food preparations	59	49	17
	227	Animal Feeds	510	737	804
	234	Beer	655		
	235	Other alcoholic beverages	104		
	412	Salt			16
	413	Sands & gravel	233	1	173

TABLE D. 2
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT INWARD
DOMESTIC CARGO FLOWS 1991-1993

(Continued)

ORIGIN		COMMODITY	CARGO (MT) 1991	1992	1993
	415	Limestone & dolomite	72		
	416	Building stone	220	36	18
	419	Other non-metallic minerals	210		46
	424	Metal waste and scrap	560	1,452	1,072
	513	Gas oils	130		
	522	Lubricants	15	46	5
	523	Other products			41
	611	Organic chemicals	815	2,202	24,933
	612	Inorganic chemicals	42	122	13
	618	Other fertilizers		40	34
	619	Petrochemicals	367	124	4
	711	Paints, inks & coloring agents			15
	712	Vitamins & pharmaceuticals	1	0	37
	713	Soap & toiletries	542	3	199
	716	Other chemical products	700	1,017	1,804
	723	Other rubber products	5	25	
	725	Wood & cork products	15	2	2
	728	Apparel	51	49	38
	735	Household utensils	390	332	91
	816	Bricks & blocks			12
	818	Glass & products (excluding bottles)		96	
	819	Glass bottles	12,889	2,124	4,587
	821	Iron & steel basic products	4	6	21
	824	Other metal products	27		
	825	Metal building parts	231	146	183
	911	Office equipment	14		3
	912	Communications equipment			27
	913	Lighting & electrical parts	79	13	21
	915	Road transport equipment	366	309	352
	916	Special purpose road vehicles	12	11	
	924	Refrigerators & freezers	24		
SAN CARLOS CITY, NEGROS OCCCIDENTAL					
		Minor flows			8
	224	Sugar	801		1,317
DAAN BANWA,BACOLOD CITY					
	000	All other commodity			10
	224	Sugar			5,762
	225	Molasses & related products		1,774	1,615
HIMAMAYLAN PORT HIMAMAYLAN, NEGROS OCCIDENTAL					
	224	Sugar	1,145		
	225	Molasses & related products	1,150		2,200
OTHER PRIVATE PORTS (NEGROS OCC)					
		Minor flows	2	4	
	000	All other commodity	8	138	
	123	Frozen shellfish	784	1,430	
	125	Other seafood		15	
	133	Unmilled maize	16		
	144	Sugarcane		360	
	172	Copra	11	32	
	197	Other agricultural commodities (n.e.s.)	270	16	
	211	Meat		30	
	212	Dairy products		52	
	224	Sugar	3,916	5,814	
	226	Other food preparations	34	3	
	227	Animal Feeds	10	102	

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TABLE D. 2
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT INWARD DOMESTIC CARGO FLOWS 1991-1993

(Continued)

ORIGIN		COMMODITY	CARGO (MT) 1991	1992	1993
	232	Processed coffee, cocoa & tea		15	
	424	Metal waste and scrap		136	
	611	Organic chemicals		1,600	
	712	Vitamins & pharmaceuticals		10	
	725	Wood & cork products		10	
	735	Household utensils	102	30	
	819	Glass bottles	900	1,459	
	825	Metal building parts		36	
	915	Road transport equipment	3	1,073	
BREDCO, RECLAMATION AREA, BACOLOD CITY, NEGROS OCCIDENTAL					
		Minor flows	3	8	1
	000	All other commodity			839
	111	Cattle & Carabao		79	
	123	Frozen shellfish		60	
	133	Unmilled maize		106	
	221	Flour & related products from grain	3	171	
	224	Sugar	87,189	102,383	53,721
	225	Molasses & related products	22,851	33,767	5,268
	227	Animal Feeds		23	122
	424	Metal waste and scrap		210	
	611	Organic chemicals			348
	612	Inorganic chemicals	575		575
	618	Other fertilizers	163	104	
	713	Soap & toiletries	326		
	735	Household utensils	22	27	
	819	Glass bottles	1,499	3,550	
	915	Road transport equipment		150	
LA CARLOTA SUGAR CENTRAL (MARAYO DOCK) PONTEVEDRA, NEGROS O					
	225	Molasses & related products	500		
LOPEZ SUGAR CORPORATION SAGAY, NEGROS OCCIDENTAL					
		Minor flows			3
	224	Sugar	500		
NEGROS NAV. INCORPORATED BO. BANAGO, BACOLOD CITY					
		Minor flows	35	51	57
	000	All other commodity	2,477	3,393	2,611
	111	Cattle & Carabao	2,226	1,127	2,055
	112	Goats	276	450	420
	113	Swine	707	957	494
	115	Other live animals	52	5	9
	121	Fish, fresh or chilled	3,215	4,423	7,939
	122	Fish, preserved	3,935	3,449	1,547
	123	Frozen shellfish	3,595	2,712	1,553
	124	Seaweed	27	10	8
	125	Other seafood	384	323	469
	132	Milled rice	866	612	527
	133	Unmilled maize	659	2,634	1,255
	143	Root crops	0	38	9
	146	Fieldcrop legumes	31	39	27
	151	Tomatoes	15	3	5
	155	Other vegetables	186	8	12
	162	Bananas	108	423	651
	163	Temperate fruits	13	1	
	165	Mangoes, avocados, guavas, mangosteen	723	668	633
	166	Melons & papaya	223	414	97
	167	Other fresh fruit	606	493	487

TABLE D. 2

MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT INWARD

DOMESTIC CARGO FLOWS 1991-1993

(Continued)

ORIGIN		COMMODITY	CARGO (MT) 1991	1992	1993
	172	Copra	38	22	29
	174	Coffee beans (untreated)	16	9	16
	175	Cocoa beans		24	3
	177	Natural rubber & latex	18	0	12
	181	Abaca	17	0	0
	183	Other processed fibers	20	130	8
	191	Cut flowers	2	6	16
	192	Other oil seeds	299	88	14
	193	Other spices	2	39	37
	194	Bamboo	18	1	0
	197	Other agricultural commodities (n.e.s.)	16	18	55
	211	Meat	89	228	17
	212	Dairy products	25	79	43
	214	Hides & skins	357	522	339
	216	Other animal products	503	408	151
	221	Flour & related products from grain	47	27	34
	222	Other field crop & vegetable meal, etc.	28	37	22
	223	Preserved fruits & products	25	1	8
	224	Sugar	58,788	44,069	51,092
	226	Other food preparations	319	382	95
	227	Animal Feeds	2,391	1,944	1,490
	232	Processed coffee, cocoa & tea	16	25	11
	233	Mineral water & aerated beverages			631
	235	Other alcoholic beverages	6	15	33
	246	By products & residue of cotton		58	
	311	Unprocessed wood (excluding firewood)	9	6	16
	314	Wood chips & scrap	9	1	22
	413	Sands & gravel	103	381	178
	414	Marble	15	29	
	415	Limestone & dolomite	19		
	416	Building stone	427	225	209
	419	Other non-metallic minerals	10	31	18
	424	Metal waste and scrap	492	1,019	506
	513	Gas oils	4	11	
	611	Organic chemicals	143	27	95
	612	Inorganic chemicals	1	10	119
	618	Other fertilizers	242	20	250
	619	Petrochemicals	814	474	30
	711	Paints, inks & coloring agents	12	23	50
	712	Vitamins & pharmaceuticals	53	39	44
	713	Soap & toiletries	523	878	68
	715	Other chemical products	128	42	24
	722	Tires	40	41	24
	723	Other rubber products	10	19	35
	724	Veneer & plywood	23	146	12
	725	Wood & cork products	79	160	65
	727	Textiles	106	216	381
	728	Apparel	90	273	132
	729	Carpets, blankets, other woven products	39	62	21
	731	Trunks, suitcases & handbags	1	11	0
	733	Meters & measuring instruments	20	1	0
	734	Photographic equipment & materials	44	47	30
	735	Household utensils	911	1,192	705
	811	Cements	243	1,130	
	813	Limes	30	97	60

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TABLE D. 2
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT INWARD DOMESTIC CARGO FLOWS 1991-1993

(Continued)

ORIGIN		COMMODITY	CARGO (MT) 1991	1992	1993
	816	Bricks & blocks	0	16	1
	817	Tiles & building ceramics	83	9	14
	818	Glass & products (excluding bottles)	1,600	1,718	530
	819	Glass bottles	8,037	25,380	12,555
	821	Iron & steel basic products	161	132	69
	825	Metal building parts	137	153	223
	911	Office equipment	18	20	6
	912	Communications equipment	28	20	37
	913	Lighting & electrical parts	90	62	107
	915	Road transport equipment	687	1,204	1,599
	916	Special purpose road vehicles		20	8
	917	Other transport equipment & parts	13	31	27
	921	Furniture	107	121	116
	924	Refrigerators & freezers	5	6	27
SAN CARLOS MILLING COMPANY, NEGROS OCCIDENTAL					
	224	Sugar	1,305	3,666	10,013
SAN MIGUEL CORPORATION CADIZ, NEGROS OCCIDENTAL					
		Minor flows		3	
	819	Glass bottles		525	
TOTAL BULK CORPORATION (TBC) PULUPANDAN,NEGROS OCCIDENTAL					
	225	Molasses & related products	2,000		
	611	Organic chemicals	13,310	7,800	3,200
VICTORIAS MILL. CORPORATION INC. DAAN BANUA, VICTORIAS, N					
		Minor flows	27	39	27
	000	All other commodity	6	1,214	337
	125	Other seafood		14	6
	132	Milled rice			17
	177	Natural rubber & latex			15
	224	Sugar	104,802	160,366	133,764
	225	Molasses & related products	15,992	17,793	14,417
	227	Animal Feeds	100	611	362
	618	Other fertilizers	20	1	3
	723	Other rubber products	15	14	55
	811	Cements		0	10
	915	Road transport equipment	5	44	1
DUMAGUETE CITY					
		Minor flows	68	72	44
	000	All other commodity	1,379	1,452	2,832
	111	Cattle & Carabao	2,236	2,389	1,962
	112	Goats	108	349	390
	113	Swine	1,222	1,278	1,168
	114	Poultry	21	28	17
	121	Fish, fresh or chilled	527	679	465
	122	Fish, preserved	21	53	36
	132	Milled rice	55	27	6
	133	Unmilled maize	30	21	7
	134	Corn grits & meal	171	35	140
	142	Peas & beans	35	43	30
	145	Tobacco	40		24
	162	Bananas	1,558	3,297	4,001
	165	Mangoes, avocados, guavas, mangosteen	515	836	1,214
	167	Other fresh fruit	480	425	532
	171	Coconuts			278
	172	Copra			100
	181	Abaca	104	57	51

TABLE D. 2
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT INWARD
DOMESTIC CARGO FLOWS 1991-1993

(Continued)

ORIGIN		COMMODITY	CARGO (MT) 1991	1992	1993
	183	Other processed fibers	25		21
	192	Other oil seeds	300	460	2,823
	195	Rattan		10	
	197	Other agricultural commodities (n.e.s.)	317	323	197
	211	Meat	108	83	72
	212	Dairy products	49	12	50
	214	Hides & skins	56	111	119
	216	Other animal products		11	1
	223	Preserved fruits & products	271	85	24
	224	Sugar	3,103	1,745	4,080
	226	Other food preparations	29	115	114
	227	Animal Feeds	286	1,382	2,980
	231	Fruit & vegetable juices			11
	234	Beer	94	337	18
	235	Other alcoholic beverages			11
	246	By products & residue of cotton	504	331	36
	250	Tobacco products	0	1	11
	311	Unprocessed wood (excluding firewood)	11	239	
	313	Wood charcoal	14	127	1
	314	Wood chips & scrap			11
	322	Natural gums		90	56
	411	Natural fertilizers			20
	416	Building stone		20	
	424	Metal waste and scrap	335	665	244
	522	Lubricants		101	29
	612	Inorganic chemicals	123	513	111
	616	Other nitrogenous fertilizers	16		159
	617	Phosphatic fertilizers		14	36
	618	Other fertilizers	727	474	761
	712	Vitamins & pharmaceuticals	1	186	13
	713	Soap & toiletries	34	73	37
	715	Pest control products	0	18	
	722	Tires	0	0	21
	723	Other rubber products			21
	725	Wood & cork products	13	5	9
	727	Textiles		1	141
	728	Apparel	5	19	18
	729	Carpets, blankets, other woven products			23
	733	Meters & measuring instruments	12	0	0
	735	Household utensils	89	111	27
	813	Limes			30
	817	Tiles & building ceramics	216	3	0
	818	Glass & products (excluding bottles)	49	38	
	819	Glass bottles	3,521	3,678	795
	821	Iron & steel basic products	543	54	102
	825	Metal building parts	2	139	25
	912	Communications equipment	35	2	13
	913	Lighting & electrical parts	47	49	39
	915	Road transport equipment	182	141	398
	916	Special purpose road vehicles	15		31
	921	Furniture	2	9	18
DANAO ESCALANTE PUBLIC WHARF, NEGROS ORIENTAL					
	121	Fish, fresh or chilled	10		
	224	Sugar	8,512	9,526	7,985
	225	Molasses & related products	4,550	7,786	16,835

TABLE D. 2

MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT INWARD

DOMESTIC CARGO FLOWS 1991-1993

(Continued)

ORIGIN		COMMODITY	CARGO (MT) 1991	1992	1993
TAMPI, SAN JOSE, NEGROS ORIENTAL					
	000	All other commodity			307
	915	Road transport equipment			16
	916	Special purpose road vehicles			77
OTHER PRIVATE PORTS NEGROS ORR.					
	236	Coconut oil			950
CENTRAL AZUCARERA DE BAIS (CAB) LUKA TANJAY, NEGROS ORIENTA					
	225	Molasses & related products	900	3,877	
PILIPINAS SHELL					
	616	Other nitrogenous fertilizers	500		
MATIAO, AMLAN, NEGROS ORIENTAL					
	225	Molasses & related products	1,800		
MONTENEGRO, CAPINYAHAN, BAIS, NEGROS ORIENTAL					
	111	Cattle & Carabao			191
	224	Sugar	667		
NOBEL PHILS., BACONG, NEGROS ORIENTAL					
	000	All other commodity	499		
	612	Inorganic chemicals	1,000	835	
	616	Other nitrogenous fertilizers	1,315	3,853	340
	716	Other chemical products	907	312	
TOBOSO, NEGROS OCC.					
	225	Molasses & related products	984		
TOLONG SUGAR MILLING COMPANY STA. CATALINA, NEGROS ORIENTAL					
	224	Sugar		550	
UNITED PLANTERS SUGAR MILLING CO. CAMPOYO, MANJUYOD, NEGROS					
	224	Sugar	518		1,650
	225	Molasses & related products	1,300		
SAN JOSE, CARANGIAN, NORTHERN SAMAR					
	172	Copra	645		
SAN JOSE (CAMINAWIT), CAUSEWAY/PIER, MANGARIN, SAN JOSE,					
		Minor flows	55	117	100
	000	All other commodity	236	280	192
	111	Cattle & Carabao	43	1	10
	113	Swine	1	11	1
	121	Fish, fresh or chilled	24	180	243
	122	Fish, preserved	168	113	59
	123	Frozen shellfish	1	1	13
	124	Seaweed	382	377	32
	125	Other seafood	741	791	113
	131	Palay	13	0	90
	132	Milled rice	11,539	18,699	12,809
	133	Unmilled maize	474	223	60
	142	Peas & beans	187	214	75
	145	Tobacco	505	2,657	1,281
	155	Other vegetables	129	117	208
	172	Copra	207	287	125
	183	Other processed fibers	11		
	197	Other agricultural commodities (n.e.s.)		19	1
	212	Dairy products	0	1	33
	214	Hides & skins	9	17	6
	216	Other animal products	6	5	16
	221	Flour & related products from grain	2	5	31
	222	Other field crop & vegetable meal, etc.	29	7	12
	226	Other food preparations	130	167	17
	227	Animal Feeds	1,610	3,468	1,084

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TABLE D. 2
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT INWARD DOMESTIC CARGO FLOWS 1991-1993

(Continued)

ORIGIN		COMMODITY	CARGO (MT) 1991	1992	1993
	234	Beer	1	30	
	250	Tobacco products	667	133	80
	313	Wood charcoal	5	110	3
	412	Salt	1,471	816	310
	424	Metal waste and scrap	252	218	106
	523	Other products	2	12	2
	715	Pest control products		6	11
	735	Household utensils	26	5	11
	819	Glass bottles	1,549	1,152	137
	825	Metal building parts	68	91	73
	913	Lighting & electrical parts	12	5	7
	915	Road transport equipment	26	121	311
SAN JOSE DECK & WAREHOUSING INC. WHARF, SAN JOSE, OCCIDEN					
		Minor flows			62
	000	All other commodity			15
	124	Seaweed			48
	132	Milled rice			876
	133	Unmilled maize			18
	134	Corn grits & meal			225
	145	Tobacco			542
	155	Other vegetables			12
	227	Animal Feeds			46
	412	Salt			78
	424	Metal waste and scrap			13
	915	Road transport equipment			40
OTHER OTHER NATIONAL PORTS ORR. MINDORO					
		Minor flows		6	
	000	All other commodity		11	
	915	Road transport equipment		17	
	916	Special purpose road vehicles		40	
CALAPAN, ORIENTAL MINDORO					
		Minor flows		6	
	132	Milled rice		1,150	
	224	Sugar		550	
PUERTO PRINCESA CITY, PALAWAN					
		Minor flows	97	70	48
	000	All other commodity	726	1,502	667
	111	Cattle & Carabao	384	497	161
	112	Goats	21	7	3
	113	Swine	205	203	28
	121	Fish, fresh or chilled	1,515	2,071	1,410
	122	Fish, preserved	2,289	2,600	1,106
	123	Frozen shellfish	300	164	81
	124	Seaweed	132	213	53
	125	Other seafood	474	342	363
	131	Palay	2	1	51
	132	Milled rice	425	1,070	1,890
	133	Unmilled maize	7,621	7,746	3,330
	134	Corn grits & meal			19
	142	Peas & beans	0	45	15
	146	Fieldcrop legumes	196	407	165
	155	Other vegetables	5	21	4
	162	Bananas	87	107	67
	165	Mangoes, avocados, guavas, mangosteen	19	26	3
	167	Other fresh fruit	4	25	17

TABLE D. 2
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT INWARD DOMESTIC CARGO FLOWS 1991-1993

(Continued)

ORIGIN		COMMODITY	CARGO (MT) 1991	1992	1993
	172	Copra	7,838	9,058	5,511
	173	Cashew nuts	2,540	1,336	1,059
	174	Coffee beans (untreated)	56	60	52
	177	Natural rubber & latex	2		59
	183	Other processed fibers	1	34	
	194	Bamboo	11		0
	195	Rattan	1,168	702	50
	196	Other vegetable raw materials	13	1	40
	197	Other agricultural commodities (n.e.s.)	43	12	27
	211	Meat	2	70	22
	214	Hides & skins	47	43	39
	215	Animal oils	25	15	41
	216	Other animal products	50	224	389
	226	Other food preparations	63	26	164
	227	Animal Feeds	4	383	130
	232	Processed coffee, cocoa & tea	8	48	40
	233	Mineral water & aerated beverages			13
	234	Beer	456	61	3
	235	Other alcoholic beverages	4	9	20
	250	Tobacco products	10	30	
	311	Unprocessed wood (excluding firewood)	71	48	0
	313	Wood charcoal	39	39	18
	322	Natural gums	1,688	1,693	610
	412	Salt		11	
	413	Sands & gravel	1	2	27
	424	Metal waste and scrap	651	734	134
	513	Gas oils	8	1	61
	522	Lubricants	14	2	4
	612	Inorganic chemicals	2	19	2
	618	Other fertilizers		108	
	619	Petrochemicals	28	65	17
	712	Vitamins & pharmaceuticals	11	20	6
	713	Soap & toiletries	98	11	1
	715	Pest control products	6	18	
	722	Tires	33	21	18
	724	Veneer & plywood	2	20	15
	725	Wood & cork products	145	237	170
	728	Apparel	20	85	38
	733	Meters & measuring instruments	56		
	735	Household utensils	83	74	35
	814	Building stone	24	19	
	818	Glass & products (excluding bottles)	49	36	25
	819	Glass bottles	4,074	5,576	4,139
	821	Iron & steel basic products	20	12	14
	825	Metal building parts	793	1,229	637
	913	Lighting & electrical parts	7	12	27
	915	Road transport equipment	260	497	172
	916	Special purpose road vehicles	10		38
	921	Furniture	3,441	1,475	831
BROOKE'S PT. CAUSEWAY, PALAWAN					
		Minor flows	14	27	31
	000	All other commodity	6	6	16
	111	Cattle & Carabao	40	139	39
	122	Fish, preserved	2	12	1
	132	Milled rice	9	252	147

TABLE D. 2
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT INWARD DOMESTIC CARGO FLOWS 1991-1993

(Continued)

ORIGIN		COMMODITY	CARGO (MT) 1991	1992	1993
	133	Unmilled maize	15,912	9,226	7,952
	171	Coconuts		28	
	172	Copra	8,376	6,088	4,607
	197	Other agricultural commodities (n.e.s.)	14	6	8
	227	Animal Feeds		57	3
	313	Wood charcoal	2	32	30
	322	Natural gums	105	177	48
	424	Metal waste and scrap	36	13	11
	819	Glass bottles	163	177	91
CORON CAUSEWAY/WHARF, PALAWAN					
		Minor flows	72	91	60
	000	All other commodity	61	733	136
	111	Cattle & Carabao	13	56	51
	113	Swine	4	21	18
	121	Fish, fresh or chilled	582	374	1,048
	122	Fish, preserved	342	432	402
	124	Seaweed	5	5	16
	125	Other seafood	72	99	73
	132	Milled rice	13	94	21
	165	Mangoes, avocados, guavas, mangosteen	23	164	75
	167	Other fresh fruit	144	119	3
	172	Copra	133	63	244
	173	Cashew nuts	81	386	460
	195	Rattan	7	15	16
	196	Other vegetable raw materials	0	11	5
	197	Other agricultural commodities (n.e.s.)	9	8	55
	216	Other animal products	15	31	19
	227	Animal Feeds	11	31	9
	233	Mineral water & aerated beverages	32	50	24
	235	Other alcoholic beverages	0	17	5
	250	Tobacco products	1	7	15
	412	Salt		7	14
	424	Metal waste and scrap	7	16	57
	511	Gasoline & aviation fuel	32	0	
	512	Kerosene	1	12	1
	513	Gas oils	2	9	13
	523	Other products	2	10	50
	612	Inorganic chemicals	4	25	29
	734	Photographic equipment & materials	2	21	7
	735	Household utensils	1,143	876	1,142
	811	Cements	15	50	9
	819	Glass bottles	269	671	823
	821	Iron & steel basic products	0	10	0
	825	Metal building parts	532	209	284
	915	Road transport equipment	9	19	1
CUYO CAUSEWAY & TIMBER LANDING PALAWAN					
		Minor flows	29	46	25
	000	All other commodity	27	149	49
	111	Cattle & Carabao	25	16	16
	113	Swine	61	68	34
	121	Fish, fresh or chilled	128	104	27
	122	Fish, preserved	58	88	37
	124	Seaweed	66	1	
	125	Other seafood	19		
	132	Milled rice	0	21	0

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TABLE D. 2
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT INWARD DOMESTIC CARGO FLOWS 1991-1993

(Continued)

ORIGIN		COMMODITY	CARGO (MT) 1991	1992	1993
	133	Unmilled maize	60	131	
	155	Other vegetables		13	
	167	Other fresh fruit	68	106	22
	172	Copra	649	751	388
	173	Cashew nuts	96	55	81
	192	Other oil seeds	46		
	197	Other agricultural commodities (n.e.s.)	3	42	
	216	Other animal products	1	27	3
	227	Animal Feeds		18	
	413	Sands & gravel	587	357	151
	416	Building stone		45	
	735	Household utensils	0	8	123
	819	Glass bottles	419	173	111
	821	Iron & steel basic products	17		
	825	Metal building parts	5	14	36
	915	Road transport equipment	22		
OTHER PRIVATE PORTS PALAWAN					
		Minor flows			6
	133	Unmilled maize			700
	172	Copra			861
OTHER MUNICIPAL PORTS QUEZON					
	236	Coconut oil	889		
	311	Unprocessed wood (excluding firewood)		660	
ATIMONAN ISLAND, ATIMONAN, QUEZON					
		Minor flows	3		
COTTA, LUCENA CITY					
		Minor flows			13
	811	Cements			36
	821	Iron & steel basic products			53
PAGBILAO (TOMBOC RIVER)					
	000	All other commodity			747
	915	Road transport equipment			36
OTHER MUNICIPAL PORTS ROMBLON					
		Minor flows	67	34	72
	111	Cattle & Carabao	6		13
	113	Swine	64	24	45
	172	Copra	209	553	759
	226	Other food preparations	10		0
	234	Beer	13	3	
	311	Unprocessed wood (excluding firewood)	5	10	63
	413	Sands & gravel	223	588	347
	414	Marble	7	1,551	1,216
	416	Building stone	152		
	724	Veneer & plywood	11	1	71
	725	Wood & cork products	11	1	0
	735	Household utensils	6	35	21
	811	Cements	115	77	14
	814	Building stone	0	2,235	845
	819	Glass bottles	168	344	51
	821	Iron & steel basic products	51	2	0
	825	Metal building parts	15	99	77
	915	Road transport equipment	31	55	99
	916	Special purpose road vehicles	10		
	921	Furniture	3	171	21
ROMBLON,ROMBLON					

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TABLE D. 2

MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT INWARD DOMESTIC CARGO FLOWS 1991-1993

(Continued)

ORIGIN		COMMODITY	CARGO (MT) 1991	1992	1993
		Minor flows	14	26	50
	000	All other commodity	12	22	48
	113	Swine	12	22	27
	132	Milled rice	1	7	15
	162	Bananas	1	11	5
	172	Copra	283	330	114
	225	Molasses & related products	1,000		1
	233	Mineral water & aerated beverages	23	62	3
	234	Beer	22	22	
	311	Unprocessed wood (excluding firewood)	1	25	5
	413	Sands & gravel	1,260	1,957	1,364
	414	Marble	13,980	9,251	5,746
	416	Building stone	67		253
	417	Coal, lignite, bitumen, peat, shale		2,800	
	419	Other non-metallic minerals		62	
	424	Metal waste and scrap	30	11	6
	716	Other chemical products	63		0
	724	Veneer & plywood	0		13
	725	Wood & cork products	1	27	1
	735	Household utensils	60	103	362
	814	Building stone	248	3,321	924
	816	Bricks & blocks	16	16	0
	817	Tiles & building ceramics	5		48
	819	Glass bottles	908	1,117	258
	821	Iron & steel basic products	1	2	50
	825	Metal building parts	136	357	95
	826	Building equipment	27		
	912	Communications equipment		0	15
	915	Road transport equipment	19	29	20
	917	Other transport equipment & parts	4	17	7
	921	Furniture	21	179	77
CATBALOGAN, WESTERN SAMAR					
		Minor flows	57	27	13
	000	All other commodity	142	11	32
	121	Fish, fresh or chilled	31	77	89
	123	Frozen shellfish	103	28	
	125	Other seafood	28	16	21
	132	Milled rice	6	14	1
	133	Unmilled maize	90	64	157
	134	Corn grits & meal		8	21
	143	Root crops	5	34	84
	155	Other vegetables	8	12	5
	162	Bananas	45	2	1
	172	Copra	164		
	181	Abaca	366	16	
	195	Rattan	68		
	214	Hides & skins	18		
	227	Animal Feeds	242	65	284
	234	Beer	790		
	235	Other alcoholic beverages	14	14	0
	311	Unprocessed wood (excluding firewood)	20	7	9
	313	Wood charcoal	42		
	424	Metal waste and scrap	167		
	522	Lubricants			33
	713	Soap & toiletries	14		

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TABLE D. 2
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT INWARD DOMESTIC CARGO FLOWS 1991-1993

(Continued)

ORIGIN		COMMODITY	CARGO (MT) 1991	1992	1993
	715	Pest control products	28		
	725	Wood & cork products	15	0	12
	727	Textiles	3	17	0
	735	Household utensils	55	45	1
	816	Bricks & blocks			19
	819	Glass bottles	3,313	3,509	1,831
	913	Lighting & electrical parts	16		
	915	Road transport equipment	78	24	18
	924	Refrigerators & freezers	43	0	0
CALBAYOG, WESTERN SAMAR					
		Minor flows	21	7	
	000	All other commodity	0	101	
	143	Root crops	13	1	
	172	Copra	1,196	1,457	
	819	Glass bottles		134	
	915	Road transport equipment	1	65	
	916	Special purpose road vehicles		42	
MAKAR WHARF, GEN. SANTOS CITY SOUTH COTABATO					
		Minor flows	53	58	41
	000	All other commodity	9,120	27,278	15,142
	111	Cattle & Carabao	36,536	39,039	76,401
	112	Goats	50	35	1
	113	Swine	52,040	57,615	50,645
	114	Poultry	10	5	36
	115	Other live animals	151	560	552
	121	Fish, fresh or chilled	1,479	415	6,049
	122	Fish, preserved	86	46	305
	123	Frozen shellfish	610	37	480
	125	Other seafood	18,925	36,657	48,419
	131	Palay	1,830	0	95
	132	Milled rice	3,109	842	6,376
	133	Unmilled maize	229,993	280,706	367,955
	134	Corn grits & meal	5,705	5,059	9,502
	135	Other unmilled grains	220	107	101
	141	Potatoes	4	2	15
	142	Peas & beans	240	220	76
	143	Root crops	17	14	9
	146	Fieldcrop legumes	177	502	217
	151	Tomatoes	5	1	77
	155	Other vegetables	864	521	307
	161	Citrus fruit	1,147	1,807	791
	162	Bananas	4,910	4,341	7,716
	163	Temperate fruits	9	103	97
	164	Pineapples	14,895	49	682
	165	Mangoes, avocados, guavas, mangosteen	892	1,093	1,055
	166	Melons & papaya	75	50	66
	167	Other fresh fruit	360	48	190
	172	Copra	898	817	60
	174	Coffee beans (untreated)	22	20	
	175	Cocoa beans	12	1	1
	176	Palm nuts & kernels	371	285	
	177	Natural rubber & latex	9	53	14
	181	Abaca	1,140	899	35
	183	Other processed fibers	11,096	13,161	1,213
	192	Other oil seeds	37	22,249	27

TABLE D. 2
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT INWARD DOMESTIC CARGO FLOWS 1991-1993

(Continued)

ORIGIN		COMMODITY	CARGO (MT) 1991	1992	1993
	916	Special purpose road vehicles	353	255	
MARINDUQUE MINING & INDUSTRIAL CORP. SURIGAO NICKEL REFINER					
		Minor flows	3		
	000	All other commodity		628	
	424	Metal waste and scrap		900	
	612	Inorganic chemicals	545	545	
	915	Road transport equipment	50		
	916	Special purpose road vehicles	29		
PACIFIC CEMENT CORPORATION BARANGAY QUEZON, SURIGAO CITY					
	811	Cements	2,547	4,473	3,360
BISLIG (MANGAGOY), SURIGAO DEL SUR					
		Minor flows	37	29	10
	000	All other commodity	76,514	60,260	20,661
	311	Unprocessed wood (excluding firewood)	16,493	10,489	6,237
	315	Railway slippers			306
	316	Wood pulp		536	
	417	Coal, lignite, bitumen, peat, shale	3,700	47,394	50,411
	612	Inorganic chemicals	9	18	
	711	Paints, inks & coloring agents		11	
	715	Pest control products	93		
	716	Other chemical products	84		
	723	Other rubber products	11	8	
	724	Veneer & plywood	6,513	2,404	1,610
	727	Textiles		29	
	819	Glass bottles	11		1
	821	Iron & steel basic products	40	0	
	825	Metal building parts	149	18	
	913	Lighting & electrical parts	9	10	
	915	Road transport equipment	107	73	35
	916	Special purpose road vehicles		15	
	925	Other household equipment	10		
OTHER MUNICIPAL PORTS SURIGAO DEL SUR					
	311	Unprocessed wood (excluding firewood)	1,890	1,890	26
LIANGA CAUSEWAY (PUGAD)					
	311	Unprocessed wood (excluding firewood)	3,417	3,555	
	312	Firewood (fuelwood)	3,042		
OTHER PRIVATE PORTS SURIGAO DEL SUR					
	311	Unprocessed wood (excluding firewood)			2,300
	417	Coal, lignite, bitumen, peat, shale			8,387
	915	Road transport equipment			18
PAPER INDUSTRIES CORP. OF THE PHIL. (PICOP), MANGAGOY, BISL					
		Minor flows	23	19	14
	000	All other commodity	40,751	42,354	77,492
	125	Other seafood		2	13
	216	Other animal products		14	13
	311	Unprocessed wood (excluding firewood)	10,107	8,489	21,751
	315	Railway slippers			101
	322	Natural gums	5		86
	417	Coal, lignite, bitumen, peat, shale		9,045	16,391
	523	Other products			658
	612	Inorganic chemicals	17	9	8
	711	Paints, inks & coloring agents		18	1
	716	Other chemical products	10		
	722	Tires	6	13	3
	724	Veneer & plywood	3,139	5,423	11,595

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TABLE D. 2
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT INWARD DOMESTIC CARGO FLOWS 1991-1993

(Continued)

ORIGIN		COMMODITY	CARGO (MT) 1991	1992	1993
	725	Wood & cork products		4	1,519
	735	Household utensils	15		1
	816	Bricks & blocks			251
	821	Iron & steel basic products	23		578
	825	Metal building parts	19	63	28
	913	Lighting & electrical parts	19	0	7
	915	Road transport equipment	83	54	30
	916	Special purpose road vehicles	20		
	917	Other transport equipment & parts	13	1	
SITANGKAI, TAWI-TAWI					
		Minor flows			2
	000	All other commodity			58
	311	Unprocessed wood (excluding firewood)			25
	916	Special purpose road vehicles			80
SUBIC, ZAMBALES SUB-PORT					
	522	Lubricants			1,925
	811	Cements		440	
OTHER MUNICIPAL PORTS ZAMBOANGA DEL NORTE					
		Minor flows	10	34	44
	000	All other commodity	1	127	1,136
	111	Cattle & Carabao		3	38
	125	Other seafood		23	119
	133	Unmilled maize		178	538
	134	Corn grits & meal	354		536
	162	Bananas	58	1	365
	165	Mangoes, avocados, guavas, mangosteen			94
	172	Copra			33
	177	Natural rubber & latex	68	287	185
	192	Other oil seeds		32	201
	214	Hides & skins		13	
	221	Flour & related products from grain		66	169
	223	Preserved fruits & products	67	84	204
	224	Sugar		60	
	226	Other food preparations	0	47	
	227	Animal Feeds	30		1,408
	235	Other alcoholic beverages		133	
	250	Tobacco products		249	
	311	Unprocessed wood (excluding firewood)	8	2	20
	413	Sands & gravel		76	
	419	Other non-metallic minerals		38	
	423	Other metallic ores & concentrates			102
	424	Metal waste and scrap			28
	522	Lubricants			18
	619	Petrochemicals		87	993
	712	Vitamins & pharmaceuticals		0	94
	713	Soap & toiletries		3	21
	714	Plastics			96
	716	Other chemical products		2	38
	725	Wood & cork products			12
	728	Apparel		46	18
	731	Trunks, suitcases & handbags			18
	735	Household utensils		9	335
	816	Bricks & blocks			[illegible]
	819	Glass bottles	[illegible]	[illegible]	[illegible]
	821	Iron & steel basic products		245	103

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TABLE D. 2
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT INWARD
DOMESTIC CARGO FLOWS 1991-1993

(Continued)

ORIGIN		COMMODITY	CARGO (MT) 1991	1992	1993
	913	Lighting & electrical parts	0	15	0
	915	Road transport equipment	4	32	20
	924	Refrigerators & freezers	0	6	25
PULAWAN, DAPITAN CITY, ZAMBOANGA DEL NORTE					
		Minor flows	47		
	000	All other commodity	20	57	
	111	Cattle & Carabao	276		
	115	Other live animals	23		
	121	Fish, fresh or chilled	14		
	122	Fish, preserved	50		
	125	Other seafood	22		
	132	Milled rice	13		
	133	Unmilled maize	150		
	134	Corn grits & meal	370		9
	162	Bananas	319		
	177	Natural rubber & latex	185		13
	192	Other oil seeds			48
	197	Other agricultural commodities (n.e.s.)	13		
	214	Hides & skins	43		
	223	Preserved fruits & products	154		
	227	Animal Feeds	134		9
	313	Wood charcoal		360	
	723	Other rubber products	13		
	724	Veneer & plywood		12	
	819	Glass bottles	616		
	915	Road transport equipment	10		
ZAMBOANGA, ZAMBOANGA DEL SUR					
		Minor flows	21	30	30
	000	All other commodity	1,842	2,047	2,017
	111	Cattle & Carabao	64		69
	113	Swine	134	58	475
	121	Fish, fresh or chilled	1,684	24	255
	122	Fish, preserved	2,681	2,824	903
	123	Frozen shellfish	781	412	809
	124	Seaweed	2,030	1,439	2,081
	125	Other seafood	11,844	11,727	1,722
	132	Milled rice	105	108	696
	133	Unmilled maize	2,245	5,389	549
	134	Corn grits & meal	112	46	2,026
	135	Other unmilled grains			14
	141	Potatoes	15		
	142	Peas & beans	27	15	22
	146	Fieldcrop legumes	126	73	
	151	Tomatoes	346		66
	152	Onions & shallots	1	3	63
	155	Other vegetables	89	63	80
	161	Citrus fruit	45	19	83
	162	Bananas	1,201	292	214
	165	Mangoes, avocados, guavas, mangosteen	603	87	49
	166	Melons & papaya	42	5	0
	167	Other fresh fruit	547	26	47
	171	Coconuts	492	315	20
	172	Copra	18	951	236
	174	Coffee beans (untreated)	576	671	298
	175	Cocoa beans	658	358	311

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TABLE D. 2
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT INWARD DOMESTIC CARGO FLOWS 1991-1993

(Continued)

ORIGIN		COMMODITY	CARGO (MT) 1991	1992	1993
	177	Natural rubber & latex	5,428	10,299	2,441
	181	Abaca	656	1,631	336
	183	Other processed fibers	47	95	76
	192	Other oil seeds	29	53	
	193	Other spices	16	2	
	195	Rattan	236	36	163
	197	Other agricultural commodities (n.e.s.)	150	115	619
	211	Meat	199	36	85
	212	Dairy products	109	30	153
	213	Eggs	0		20
	214	Hides & skins	308	215	107
	216	Other animal products	993	2,046	566
	221	Flour & related products from grain	58	24	52
	222	Other field crop & vegetable meal, etc.	64	1	223
	223	Preserved fruits & products	659	200	251
	224	Sugar	76		90
	225	Molasses & related products	1		10
	226	Other food preparations	1,094	1,117	178
	227	Animal Feeds	2,585	2,268	669
	231	Fruit & vegetable juices	17	10	2
	232	Processed coffee, cocoa & tea	106	225	
	233	Mineral water & aerated beverages			36
	234	Beer		46	
	235	Other alcoholic beverages	2		70
	237	Other vegetable oils	18		
	241	Cotton, carded or combed	24		
	242	Jute, hemp, sisal	35	11	
	243	Abaca	25	40	
	250	Tobacco products	1	1	12
	311	Unprocessed wood (excluding firewood)	8,966	5,256	3,056
	312	Firewood (fuelwood)	13		
	313	Wood charcoal	28	57	72
	314	Wood chips & scrap	1	12	
	322	Natural gums	25	33	
	412	Salt	12		
	413	Sands & gravel	301	96	
	416	Building stone	23		
	417	Coal, lignite, bitumen, peat, shale	136	148	
	419	Other non-metallic minerals	25	11	18
	424	Metal waste and scrap	704	1,297	506
	522	Lubricants	172	16	10
	611	Organic chemicals	243	18	
	612	Inorganic chemicals	93	150	
	614	Synthetic rubber		36	352
	615	Urea		16	
	618	Other fertilizers	25	5	37
	619	Petrochemicals	194	30	49
	711	Paints, inks & coloring agents	27	14	70
	712	Vitamins & pharmaceuticals	54	21	42
	713	Soap & toiletries	140	333	55
	716	Other chemical products	303	1,276	1,858
	722	Tires	36	71	29
	723	Other rubber products	531	197	85
	724	Veneer & plywood	6,433	5,384	6,887
	725	Wood & cork products	238	263	222

TABLE D. 2
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT INWARD DOMESTIC CARGO FLOWS 1991-1993

(Continued)

ORIGIN		COMMODITY	CARGO (MT) 1991	1992	1993
	727	Textiles	29	29	4
	728	Apparel	89	28	162
	729	Carpets, blankets, other woven products	19	27	
	732	Medical & optical instruments			28
	735	Household utensils	416	871	531
	811	Cements	381		4
	818	Glass & products (excluding bottles)	101	46	16
	819	Glass bottles	1,093	1,219	2,144
	821	Iron & steel basic products	82	99	24
	824	Other metal products	291		
	825	Metal building parts	367	348	199
	911	Office equipment	22	7	3
	912	Communications equipment	36	1	0
	913	Lighting & electrical parts	98	46	18
	915	Road transport equipment	657	1,652	286
	916	Special purpose road vehicles		106	
	917	Other transport equipment & parts	157	6	2
	921	Furniture	732	14	139
	924	Refrigerators & freezers	18	7	0
OTHER PRIVATE PORTS ZAMBOANGA DEL SUR					
		Minor flows	13		
	124	Seaweed	105		
	125	Other seafood	572		
	177	Natural rubber & latex	861		
	212	Dairy products	13		
	311	Unprocessed wood (excluding firewood)	1,421		
	312	Firewood (fuelwood)		473	
	413	Sands & gravel	36		
	723	Other rubber products	18		
	727	Textiles	36		
NEW ZAMBOANGA UNIVERSAL ENTERPRISES INCORPORATED (BENGO) BA					
		Minor flows	33	11	
	000	All other commodity	61	19	
	121	Fish, fresh or chilled	556		
	122	Fish, preserved	14		
	123	Frozen shellfish	29		
	124	Seaweed	663		
	125	Other seafood	2,504	515	
	133	Unmilled maize	54		
	172	Copra		47	
	177	Natural rubber & latex	3,059	1,528	
	181	Abaca	47		
	211	Meat	47		
	212	Dairy products	54		
	216	Other animal products	135		
	226	Other food preparations	99		
	227	Animal Feeds			
	233	Mineral water & aerated beverages	110		
	250	Tobacco products		12	
	311	Unprocessed wood (excluding firewood)		897	
	313	Wood charcoal		53	
	413	Sands & gravel	72	216	
	424	Metal waste and scrap	341	37	
	611	Organic chemicals	32		
	614	Synthetic rubber	122		

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TABLE D. 2
MANILA (FIRST DISTRICT) NORTH HARBOR SEA TRANSPORT INWARD
DOMESTIC CARGO FLOWS 1991-1993

(Continued)

ORIGIN		COMMODITY	CARGO (MT)		
			1991	1992	1993
	722	Tires		13	
	723	Other rubber products	120		
	728	Apparel	21		
	729	Carpets, blankets, other woven products	12		
	734	Photographic equipment & materials	112		
	735	Household utensils	566	116	
	819	Glass bottles	12		
	825	Metal building parts	163	13	
	915	Road transport equipment	164	3	
PIIIL. INTERNATIONAL DEVELOPMENT INC. ZAMBOANGA CITY					
	236	Coconut oil	1,201		
TIMBER EXPORT INCORPORATED RECODO, ZAMBOANGA CITY					
	311	Unprocessed wood (excluding firewood)	12		
	724	Veneer & plywood	1,523		