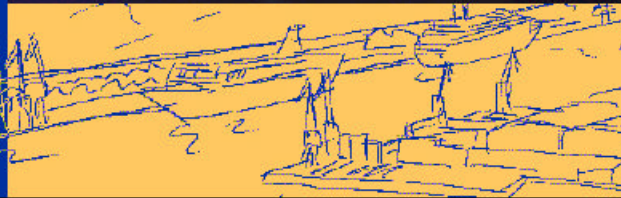




Port de Barcelona

Autoritat Portuària de Barcelona



Annual report 2001



## **1 Financial statements**

The present chapter includes the balance sheet, the profit and loss statement and the source and application funds statement for fiscal years ending 31 december 2001 and 2000.

The 2001 data is pending auditor's report. Furthermore, a chapter on the 2001 economic-financial report will be found at the Annual report.

## **Introduction**

### **1.1. Balance Sheet**

### **1.2. Profit and Loss Statement**

### **1.3. Source and application funds statement**



## **1 Financial statements**

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## **Introduction**

### **1.1. Balance Sheet**

### **1.2. Profit and Loss Statement**

### **1.3. Source and application funds statement**

## 1 Financial statements

### 1.1. Balance Sheet

BALANCE SHEET AT 31 DECEMBER OF 2001 AND 2000

ASSETS	Thousand of euros		LIABILITIES	Thousand of euros	
	2001	2000		2001	2000
<b>FIXED ASSETS</b>	<b>755,257</b>	<b>661,021</b>	<b>EQUITY</b>	<b>596,317</b>	<b>574,631</b>
Intangible	4,577	2,245	Net worth	512,743	512,743
Tangible	700,763	609,851	Fixed assets paid-up to general use	-26,801	-26,728
Financial	38,125	40,531	Reserves	88,616	66,319
Long term trade debtors	11,792	8,394	Profit	21,759	22,297
<b>DEFERRED EXPENSE</b>	<b>12,331</b>	<b>11,682</b>	<b>DEFERRED INCOME</b>	<b>70,156</b>	<b>53,266</b>
			<b>PROVISIONS FOR LIABILITIES AND EXPENSES</b>	<b>13,347</b>	<b>13,614</b>
			<b>LONG-TERM CREDITORS</b>	<b>85,006</b>	<b>45,203</b>
			Debts with credit institutions	70,222	39,626
			Debts with group and associated companies	4,808	4,808
			Other creditors	8,925	0
			Creditors for long term commercial trade	1,051	769
<b>CURRENT ASSETS</b>	<b>54,616</b>	<b>41,514</b>	<b>SHORT-TERM CREDITORS</b>	<b>57,378</b>	<b>27,503</b>
Inventories	329	320	Debts with credit institution	2,609	2,602
Accounts receivable	34,628	34,454	Debts with group and associated companies	2,823	2,502
Short-term investments	17,765	5,798	Trade creditors	5,571	4,564
Cash and Banks	1,698	786	Other non-trade creditors	46,375	17,833
Deferred income and accruals	196	156	Deferred income and accruals	0	2
<b>TOTAL ASSETS</b>	<b>822,204</b>	<b>714,217</b>	<b>TOTAL LIABILITIES</b>	<b>822,204</b>	<b>714,217</b>
<i>(Pending auditor's report)</i>					

### 1.2 Profit and Loss Statement

PROFIT AND LOSS STATEMENT AT 31 DECEMBER OF 2001 AND 2000

DEBIT	Thousand of euros		CREDIT	Thousand of euros	
	2001	2000		2001	2000
<b>EXPENSES</b>			<b>INCOME</b>		
Personnel costs	22,837	23,414	Port services	64,472	61,979
Provision for depreciation of fixed assets	18,809	17,316	Leases and and authorisations	23,914	21,352
Change in trade provisions	-191	-50	Other operating income	1,469	1,671
Other operating expenses					
Exterior Services	16,325	17,440			
Tax	606	581			
Others	848	964			
<b>Total operating expenses</b>	<b>59,234</b>	<b>59,665</b>	<b>Total operating income</b>	<b>89,855</b>	<b>85,002</b>

Thousand of euros			Thousand of euros		
DEBIT	2001	2000	CREDIT	2001	2000
<b>OPERATING PROFIT</b>	<b>30,621</b>	<b>25,336</b>			
Assimilated and financial expenses	2,700	1,407	Income from capital share	0	96
			Income from other negociable instruments		
			and credits from fixed assets	251	217
			Other assimilated and financial income	154	166
<b>Total financial expenses</b>	<b>2,700</b>	<b>1,407</b>	<b>Total financial income</b>	<b>405</b>	<b>479</b>
<b>POSITIVE FINANCIAL RESULTS</b>	<b>0</b>	<b>0</b>	<b>NEGATIVE FINANCIAL RESULTS</b>	<b>2,295</b>	<b>928</b>
<b>PROFIT FROM ORDINARY ACTIVITIES</b>	<b>28,326</b>	<b>24,408</b>			
Change in provisions for tangible and intangible fixed assets and control portfolio	1,384	1,227	Profits on disposal of tangible intangible fixed assets and control portfolio	111	4,250
Losses from fixed assets	1,305	1,593	Capital grant transferred to results	895	422
Extraordinary expenses	1,322	637	Extraordinary income	665	408
Expenses and losses from previous fiscal year	1,111	471	Income and profit from previous fiscal year	640	138
<b>Total extraordinary expenses</b>	<b>5,122</b>	<b>3,928</b>	<b>Total extraordinary income</b>	<b>2,311</b>	<b>5,218</b>
<b>EXTRAORDINARY POSITIVE RESULTS</b>	<b>0</b>	<b>1,290</b>	<b>EXTRAORDINARY NEGATIVE RESULTS</b>	<b>2,811</b>	<b>0</b>
<b>PROFIT FROM OPERATIONS</b>	<b>25,515</b>	<b>25,698</b>			
Interport fund contribution	6,971	6,984	Interport fund receivable	3,215	3,582
<b>PROFIT AFTER INTERPORT CONTRIBUTION</b>	<b>21,759</b>	<b>22,297</b>			

(Pending the auditor's report)

### 1.3. Source and application funds statement

APPLICATIONS OF FUNDS	Thousand of euros		ORIGINS OF FUNDS	Thousand of euros	
	2001	2000		2001	2000
<b>Fixed assets purchased</b>	<b>118,570</b>	<b>65,727</b>	<b>Resource proceeding from operations</b>	<b>45,240</b>	<b>40,996</b>
Intangible	2,701	1,356	Period results	25,515	25,699
Tangible	110,634	56,566	Provision for depreciation of fixed assets	18,809	17,316
Financial	5,235	7,805	Addition to reserves of fixed assets	1,556	1,335
			Depreciation of deferred expenses	427	225
<b>Interport fund contribution</b>	<b>6,971</b>	<b>6,984</b>	Reserves for liabilities and expenses	917	1,305
			Losses from fixed assets	1,305	1,593
<b>Long-term financial to short-term financial debts transferred</b>	<b>4,607</b>	<b>3,093</b>			
Debts with credit institutions	2,404	2,404	Decrease of provisions for fixed assets	-172	-108
Others	2,203	689	Excess of provisions for liabilities and expenses	-657	-827
			Profit accruing from fixed assets	-111	-4,250

APPLICATIONS OF FUNDS	Thousand of euros		ORIGINS OF FUNDS	Thousand of euros	
	2001	2000		2001	2000
<b>Provisions for liabilities and expenses</b>	<b>527</b>	<b>4,832</b>	Capital subsidies transferred to results	-895	-422
			Deferred income transferred to results from I	-592	-344
<b>Long-term trade debts</b>	<b>3,525</b>	<b>2,946</b>	Other income deferred	-862	-526
<b>Others applications</b>	<b>1,076</b>	<b>0</b>	<b>Deferred income</b>	<b>19,239</b>	<b>14,812</b>
			Capital grants	11,068	8,097
			Other income deferred	8,171	6,715
			<b>Interport fund receivable</b>	<b>3,215</b>	<b>3,582</b>
			<b>Long-term debts</b>	<b>44,410</b>	<b>17,990</b>
			With credit institutions	33,000	17,990
			With group and associated companies	0	0
			Trade creditors	11,410	0
			<b>Disposal of fixed assets</b>	<b>187</b>	<b>7,473</b>
			Tangible	187	1,402
			Financial	0	6,071
			<b>Other origins</b>	<b>6,212</b>	<b>12,876</b>
			Short-term financial debts transferred	6,085	12,876
			Others	127	0
<b>TOTAL APPLICATIONS</b>	<b>135,276</b>	<b>83,582</b>	<b>TOTAL SOURCES</b>	<b>118,503</b>	<b>97,729</b>
<b>EXCESS OF SOURCES OVER APPLICATIONS</b>		<b>14,147</b>	<b>EXCESS OF APPLICATIONS OVER SOURCES</b>	<b>16,773</b>	

VARIATION IN WORKING CAPITAL	2001		2000	
	Increases	Decreases	Increases	Decreases
<b>Inventories</b>	<b>9</b>			<b>75</b>
<b>Accounts receivable</b>	<b>174</b>		<b>9,136</b>	
<b>Creditors</b>		<b>29,875</b>	<b>10,876</b>	
<b>Short-term investments</b>	<b>11,967</b>			<b>1,925</b>
<b>Cash and banks</b>	<b>912</b>			<b>3,849</b>
<b>Deferred income and accruals</b>	<b>40</b>			<b>16</b>
<b>TOTAL</b>	<b>13,102</b>	<b>29,875</b>	<b>20,012</b>	<b>5,865</b>
<b>VARIATION IN WORKING CAPITAL</b>		<b>16,773</b>	<b>14,147</b>	
<i>(Pending auditor's report)</i>				





## **2 Technical characteristics of the Port**

This chapter contains a physical description of the Port of Barcelona; its geographic location and climatic conditions, its land accesses, the location of lighthouses and beacons which facilitate maritime access, the distribution by use of the port's 795.98 ha of land (including the ZAL) and the draught along the more than 20 km of wharves.

Finally, this chapter contains an inventory of the facilities and equipment in the Port.

## **Technical characteristics of the Port**

### **Introduction**

#### **2.1. General data**

- 2.1.1. Location**
- 2.1.2. Wind pattern**
- 2.1.3. Deep-water storm pattern**
- 2.1.4. Tides**
- 2.1.5. Entrance**
  - 2.1.5.1. Access canal**
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  - 2.1.5.4. Largest vessel entered in last five years**
- 2.1.6. Flotation areas (Ha)**
  - 2.1.6.1. Zone I**
  - 2.1.6.2. Zone II**
- 2.1.7. Land area (m<sup>2</sup>)**
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- 2.11. General map of Port**

#### 2.1.4. Tides

Variations on the level of water caused by dominant winds and atmospherical pressure.

Lowest water level with respect to Port zero mark	0.134 m
Highest water level with respect to Port zero mark	0.988 m

#### 2.1.2. Wind Pattern

Prevailing, 3rd quadrant
Dominant, 4th. quadrant

#### 2.1.3. Deep-water storm pattern

Significant wave height within a period of 50 years 7.93 m

#### 2.1.4. Tides

Variations on the level of water caused by dominant winds and atmospherical pressure.

Lowest water level with respect to Port zero mark	0.134 m
Highest water level with respect to Port zero mark	0.988 m

#### 2.1.5. Entrance

##### 2.1.5.1. Access canal

Orientation	191°
Width	300 m between parallels to the Llevant dike
Draught	16 m
Nature of the bed	muds and sands



### **Access Canal / DST:**

An Access Canal of Traffic Separation Device is set up, the aim of which is to lead down it all the traffic arriving or leaving from the south of the Port of Barcelona. This will achieve two priority objectives: one the one hand, avoiding ships crossing the anchorage line, and on the other, keeping them away from the immediate area of the entrance mouth, the waiting and/or putting in area, thus reducing the number of bows by bows crossings..

All the vessels sailing down the DST will do so under the control of the Vessels Information Services.

### **Location, Dimensions and Characteristics**

The right shore of the canal will be determined by the bearing of 165° / 345° from the green light of the extension of the l'Est dyke, starting at the cut off point at a distance of two miles and finishes at the intersection of bearing 080° / 260° from the Llobregat lighthouse, which also serves to delimit the anchorage zone.

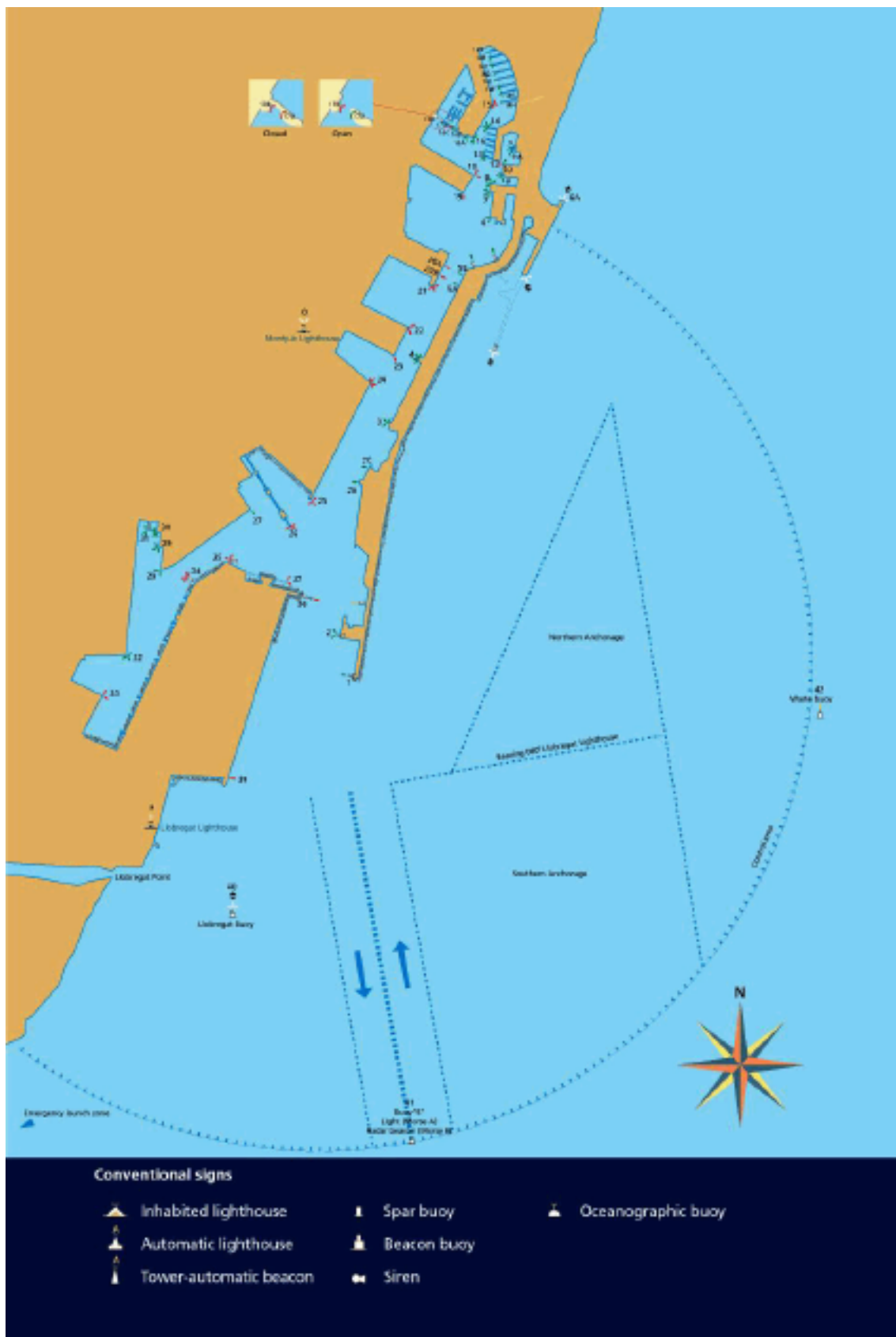
The DST is 0.5 miles wide, being the width of 1/2 cable, and thus each lane of the canal will be 2.25 cables wide.

The port entry buoy "S" SIERRA is located in the centre at the traffic separation zone and at its southern end at a distance of two miles from the green light, in situation: Latitude: 41° 18' 12 " N and Longitude: 002°. 10' 43" E.

#### **2.1.5.2. Entrance mouth**

Width	370 m
Depth at Water level	16 m
Maximum recorded current	2.00 knots

### 2.1.5.1. bis Map of access chanel and anchorage areas



### 2.1.5.2. Entrance mouth

Width	370 m
Depth at Water level	16 m
Maximum recorded current	2.00 knots

### 2.1.5.3. Use of tugs in vessel entry and exit

### 2.1.5.4. Largest vessel entered in last five years

	Greatest length	Greatest draught
Name	Norway	Sibotessa
Nationality	Bahamas	Norwegian
GT	76,049.00	41,189.00
DWT	13,960.0	74,918.00
Length	315.15	229.00
Type	Passenger vessel	Bulk-carrier
Incoming or outgoing real draught	10.49	14.48

### 2.1.6. Flotation areas (Ha)

#### 2.1.6.1 Zone I

	Basins			Total (ha)
	Commercial	Fishing	Rest	
Inner port	325.95	3.68	30.45	360.08

#### 2.1.6.2. Zone II

	Communications	Anchorage	Rest	Total (Ha)
Outerport	147.07	4.87	1,273.93	1,425.87

## 2.1.7. Land area (m2)

Sector	Free-standing area	Rip-rap	Filling area	Operative area	Concession area	Railway area	Road area	Public area	Rest areas APB	Total
<b>SECTOR 1</b>										
Wharf 01 Adossat		36,405	124,939		13,643		46,068		9,189	230,244
Wharf 01 Adossat				40,400	44,434		29,328	1,015	26,781	141,958
Wharf 02 Llevant		7,701		3,450	1,514		32,296		5,693	50,654
Wharf 03 Dic Flotant										
Wharf 05 Occidental		14,527			31,181		14,344		100	60,152
<b>SECTOR 2</b>										
Wharf 06 Catalunya					18,296					18,296
Wharf 08 Nou					41,531		14,456	46,759	2,170	104,916
Wharf 10 Pescadors				10,268	2,090		2,756		17,682	32,796
Wharf 11 Balears										
Wharf 12 Rellotge										
Wharf 13 Marina Port Vell					10,160		2,380	59,354		71,894
Wharf 14 Dipòsit					2,960			19,081		22,041
Wharf 15 Espanya					45,799		8,214	75,117	1,080	130,210
Wharf 16 Bosch i Alsina					890			13,707	1,795	16,392
Wharf 17A Drassanes								10,855		10,855
Wharf 17B Drassanes					4,402		966	5,405		10,773
Wharf 18 Barcelona					33,277		4,798	63,566	6,162	107,803
<b>SECTOR 3</b>										
Wharf 19 Sant Bertran										8,992
Wharf 20 Ponent				58,756	117,068	414	45,657	4,843	25,743	252,481
Wharf 21 Costa										39,670
Wharf 22 Contradic				19,848	51,071	18,336	29,069		13,647	131,971
<b>SECTOR 4</b>										
Wharf 23 Oest				5,952	29,840	3,334	14,358		8,624	62,108
Wharf 24 Sud		13,703		72,463	595,909	50,784	36,045		5,140	774,044
Wharf 25 Pantalà										3,143
<b>SECTOR 5</b>										
Wharf 26 Álvarez de la Campa				53,672	243,498	7,206	55,757		195,250	555,383
TIR										
Wharf 27 Lepant										
Wharf 28 Evaristo Fernández										
<b>SECTOR 6</b>										
Wharf 29 Príncep d'Espanya				88,957	491,152	9,047	75,125		159,523	823,804
TRAM VI										
Wharf 30 Dàrsena Sud										
<b>SECTOR 7</b>										
Sud Zone					272,833	17,608	55,877		35,452	381,770
<b>SECTOR 8</b>										
Wharf 32 Inflamables		89,318	289,700	64,134	579,218	12,260	136,118		414,669	1,585,417
<b>ZAL 1</b>										
									665,000	665,000
<b>ZAL 2</b>										
									1,667,000	1,667,000
<b>TOTAL PORT</b>										
		<b>161,654</b>	<b>414,639</b>	<b>417,900</b>	<b>2,630,766</b>	<b>118,989</b>	<b>603,612</b>	<b>299,702</b>	<b>928,700</b>	<b>7,959,767</b>

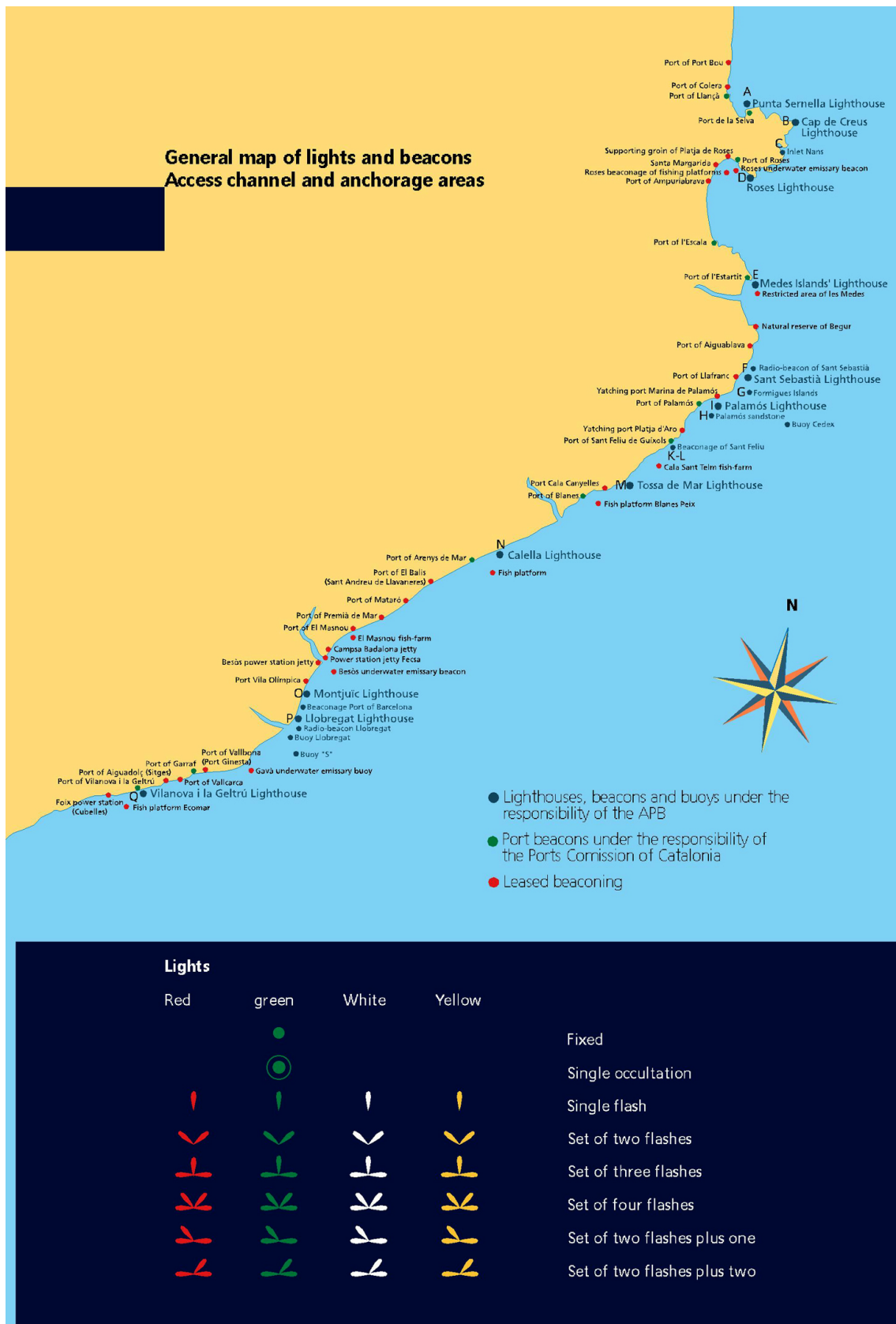


### 2.1.8. Breakwaters (m)

Name	Length (m)	Characteristics
l'Est dyke	4,230	Concrete blocks
Wharf Nou Contradic	510	Natural breakwater
<b>TOTAL</b>	<b>4,740</b>	

## 2.2. Simplified map of lights and beacons

### 2.2.1. General map of lights and beacons



## 2.2.2. List of lights and beacons

No. in Lighthouse book and on map	Name and position	Description	Colour of light	Characteristics	Range in miles
31780 A	PUNTA SERNELLA LIGHTHOUSE Punta Sernella.	Tower on grey building, white dome.	White	One flash every 5 seconds. 1+4 = 5	13
31730 B	CAP DE CREUS LIGHTHOUSE Cap de Creus.	Tower on white house.	White	Groups of two flashes every 10 seconds. 0.3+2.2+0.3+7.2 = 10.	20
31680 C	CALA NANS LIGHTHOUSE Punta Cala Nans.	Cylindrical tower on white house.	White	Groups of 4+1 flashes every 25 seconds. (0.5+2.5) 3 times+0.5+7.5+0.5+7.5 = 25.	8
31610 D	ROSES LIGHTHOUSE Punta de la Bateria.	Cylindrical tower on white house.	White	Groups of 4 eclipses every 15 seg. 6+1.5[(1+1.5)3 times]=15	12
31300 E	ILLES MEDES LIGHTHOUSE Illa Meda Gran.	Cylindrical tower on white house.	White	Group of 4 flashes every 24 seconds. (1+3) 3 times+1+11 = 24.	14
31250 F	SANT SEBASTIÀ LIGHTHOUSE Cap de Sant Sebastià.	White tower on white building.	White	One flash every 5 seconds 0.3+4.7 = 5.	32
31140 G	ILLES FORMIGUES Illa Formiga Gran.	Stainless steel house.	White	Groups of 3 flashes every 9 seconds. 0.5+1.5+0.5+1.5+0.5+4.5 = 9.	6
31051 H	LLOSA DE PALAMÓS Over la Llosa or under Pereira.	Black column with red bands.	White	Groups of 2 flashes every 7 seconds. 0.5+1.5+0.5+4.5 = 7.	5
31041 I	PALAMÓS LIGHTHOUSE Punta del Molí.	White cylindrical tower.	White	Eclipse groups of (1+4) flashes every 18 seconds. (1.4+1) 3 times +4.4+1+4.4+1 = 18.	14
30998 J	LA REMRO BUOY 2 miles from the coast.	Spherical yellow buoy.	Yellow	Groups of 5 flashes every 20 seconds (0.5+0.5) 4 times +0.5+15.5 =20.	1
30970 K	PORT LEADING LIGHT Sant Feliu (Ant.). Marítim Avenue.	White post marked with black and white bands at 45°.	White	Isophase every 3 seconds. 1.5+1.5=3	4
30971 L	PORT LEADING LIGHT Sant Feliu (Post.). Marítim Avenue, 52 m from previous one.	White post marked with black and white bands at 45°.	White	Eclipse group every 3 seconds. 2+1 = 3.	4
30910 M	TOSSA LIGHTHOUSE Cap de Tossa.	White tower on building.	White	Groups of (3+1) flashes every 20 seconds. 0.2+2.3+0.2+2.3+0.2+7.3+0.2+7.3 = 20.	21
30810 N	CALELLA LIGHTHOUSE Caella.	Tower on white building.	White	Groups of (3+2) flashes every 20 seconds. 0.3+1.4+0.3+1.4+0.3+7.1+0.3+1.4+0.3+7.2=20.	18

No. in Lighthouse book and on map	Name and position	Description	Colour of light	Characteristics	Range in miles
29700 O	MONTJUÏC LIGHTHOUSE On the side of Montjuïc Mountain.	Brick on white building with red corners.	White	Two flashes every 15 seconds. $0.3+3.4+0.3+11 = 15$ .	26
29630 P	RIVER LLOBREGAT LIGHTHOUSE At the mouth of the river.	Tower on cylindrical building	White	One flash every 5 seconds. $1+4 = 5$ .	23
29340 Q	VILANOVA I LA GELTRÚ LIGHTHOUSE Vilanova i la Geltrú Port.	Stone tower beside white building	White	Group of 3 flashes every 8 seconds. $0.2+1.5+0.2+1.5+0.2+4.4 = 8$ .	19
29720 1	DIC DE L'EST LIGHTHOUSE At the head of the jetty.	Metal cylindrical tower with two parts of different diameters, painted green with a white band in the middle. (When approaching from the sea	Green	One flash every 5 seconds. $1+4 = 5$ .	6
1A	CONCRETE CAISSONS BUOY	Cylindrical pillar buoy painted yellow	Yellow	One flash every second. $0.3+0.7 = 1$ .	6
29740 2	MARTELL BEACON At the head of the pier on Wharf 01B Adossat.	Cylindrical metal tower with two parts of different diameters, painted green.	Green	Two flashes every 7 seconds. $0.5+1.5+0.5+4.5 = 7$ .	3
2A	WHARF 01 ADOSSAT Enlarging Adossat (South)	Green metal post	Green	One flash every second. $0.3+0.7 = 1$ .	1
2B	WHARF 01 ADOSSAT Enlarging Adossat (West)	Green metal post	Green	One flash every second. $0.3+0.7 = 1$ .	1
2C	WHARF 01 ADOSSAT Enlarging Adossat (North).	Green metal post	Green	One flash every second. $0.3+0.7 = 1$ .	1
30012 3	WHARF 01 ADOSSAT SW end.	Metal post, painted green, on a pyramidal base.	Green	Group of 3 flashes every 9 seconds. $0.5+1.5+0.5+1.5+0.5+4.5 = 9$ .	2
30015 4	WHARF 01 ADOSSAT Double Ro-Ro berth.	Metal post, painted green, on a pyramidal base.	Green	Groups of 4 flashes every 11 seconds. $3(0.5+1.5)+0.5+4.5 = 11$ .	2
30132 5A	WHARF 01 ADOSSAT Beaconing bridge. South defences	Metal post, painted green.	Green	One flash every 5 seconds. $0.5+4.5 = 5$ .	2
30133 5B	WHARF 01 ADOSSAT Beaconing bridge. North defences	Metal post, painted green.	Green	One flash every 5 seconds. $0.5+4.5 = 5$ .	2
30141-a 5E	WHARF 02 ADOSSAT New entrance harbour mouth services	Buoy painted green	Green	One flash every second. $0.5+0.5 = 1$ .	1
30140-a 5F	WHARF 02 ADOSSAT New entrance harbour mouth services	Buoy painted green	Green	One flash every second. $0.5+0.5 = 1$ .	1

No. in Lighthouse book and on map	Name and position	Description	Colour of light	Characteristics	Range in miles
30170 6	WHARF 05 OCCIDENTAL SW corner.	Metal post, painted green, on a pyramidal base.	Green	Groups of 2 flashes every 7 seconds. $0.5+1.5+0.5+4.5=7.$	2
6A	NEW HARBOUR MOUTH North end (works)	Metal post, painted black, with a yellow band in the centre. Limit mark: 2 superposed cones for the east cardinal base	White	Groups of 3 flashes every 10 seconds. $0.3+0.7+0.3+0.7+0.3+7.7 = 10.$	3
6B	NEW HARBOUR MOUTH South end (works).	Metal post, painted black, with a yellow band in the centre. 2 superposed cones for the east cardinal base	White	Groups of 3 flashes every 10 seconds. $0.3+0.7+0.3+0.7+0.3+7.7 = 10.$	3
6C	NEW HARBOUR MOUTH Outside buoy (works).	Buoy painted black, with a yellow band in the centre	White	Groups of 3 flashes every 10 seconds. $0.3+0.7+0.3+0.7+0.3+7.7 = 10.$	3
30190 7	WHARF 06 CATALUNYA Southern corner.	Metal post, painted green, on a pyramidal base.	Green	Groups of 3 flashes every 9 seconds. $0.5+1.5+0.5+1.5+0.5+4.5 = 9.$	2
30210 8	WHARF 06 CATALUNYA Northern corner.	Metal post, painted green, on a pyramidal base.	Green	Groups of 4 flashes every 11 seconds. $(0.5+1.5) 3 \text{ times} + 0.5+4.5 = 11.$	2
30376 9	WHARF 08 NOU Southern corner.	Metal post, painted green-red-green, on a pyramidal base.	Green	Groups of 2+1 flashes every 21 seconds. $0.5+1.5+0.5+4.5+0.5+13.5=21.$	2
30374 10	WHARF 08 NOU Northern corner.	Metal post, painted green, on a pyramidal base.	Green	Isolated flashes every 5 seconds. $0.5+4.5 = 5.$	2
11	LA INDÚSTRIA BASIN (Extrem Guafe)	Green metal post	Green	One flash every 5 seconds. $0.5+4.5 = 5$	1
30373.5 11A	LA INDÚSTRIA BASIN (Sincrolift)	Red and green metal post	Green	Groups of 2+1 flashes every 21 seconds. $0.5+1.5+0.5+4.5+0.5+13.5=21.$	1
30372 12	WHARF 11 BALEARS Souther corner.	Metal post, painted red, on a pyramidal base.	Red	Isolated flashes every 5 seconds. $0.5+4.5 = 5.$	2
30370 13	WHARF 11 BALEARS End of South Jetty.	Metal post, painted green-red-green, on a pyramidal base.	Green	Groups of 2+1 flashes every 21 seconds. $0.5+1.5+0.5+4.5+0.5+13.5 = 21.$	2
30350 14	WHARF 11 BALEARS End of North Jetty.	Metal post, painted green, on a pyramidal base.	Green	Groups of 4 flashes every 11 seconds. $(0.5+1.5) 3 \text{ times} + 0.5+4.5 = 11.$	2
30332 14A	WHARF 13 MARINA PORT VELL S. Jetty 8.	Green post.	Green	One flash every 6 seconds. $1+5 = 6.$	1
30333 14B	WHARF 13 MARINA PORT VELL S Jetty 7.	Green post.	Green	Groups of 4 flashes every 14 seconds. $1+1+1+1+1+1+7 = 14.$	1

No. in Lighthouse book and on map	Name and position	Description	Colour of light	Characteristics	Range in miles
30334 14C	WHARF 13 MARINA PORT VELL S Jetty 6.	Green post.	Green	Groups of 3 flashes every 11 seconds. $0.5+1+0.5+1+0.5+7.5 = 11.$	1
30335 14D	WHARF 13 MARINA PORT VELL S Jetty 5.	Green post.	Green	Groups of 2 flashes every 9 seconds. $0.5+1+0.5+7 = 9.$	1
30336 14E	WHARF 13 MARINA PORT VELL S Jetty 4.	Green post.	Green	One flash every 6 seconds. $1+5 = 6.$	1
30337 14F	WHARF 13 MARINA PORT VELL S Jetty 3.	Green post.	Green	Groups of 4 flashes every 14 seconds. $1+1+1+1+1+1+7 = 14.$	1
30338 14G	WHARF 13 MARINA PORT VELL S Jetty 2.	Green post.	Green	Groups of 3 flashes every 11 seconds. $0.5+1+0.5+1+0.5+7.5 = 11.$	1
30339 14H	WHARF 13 MARINA PORT VELL S Jetty 1.	Green post.	Green	Groups of 2 flashes every 9 seconds. $0.5+1+0.5+7 = 9.$	1
30330 15	WHARF 15 ESPANYA Northern corner.	Metal post, painted red, on a pyramidal base.	Red	Groups of 3 flashes every 9 seconds. $0.5+1.5+0.5+1.5+0.5+4.5 = 9.$	2
30310 16	WHARF 15 ESPANYA SE Corner.	Metal post, painted green-red-green, on a pyramidal base.	Green	Groups of 1+2 flashes every 21 seconds. $0.5+4.5+0.5+1.5+0.5+13.5 = 21.$	2
30250 16A	WHARF 15 ESPANYA Rambla del Mar East.	Metal post, painted green.	Green	Groups of 3 flashes every 9 seconds. $0.5+1.5+0.5+1.5+0.5+4.5 = 9.$	1
30252 16B	WHARF 15 ESPANYA Rambla del Mar East central.	Inclined metal post, painted green.	Green	Groups of 2 flashes every 7 seconds. $0.5+1.5+0.5+4.5 = 7.$	1
30254 16C	WHARF 15 ESPANYA Rambla de Mar West central.	Inclined metal post, painted red.	Red	Groups of 2 flashes every 7 seconds. $0.5+1.5+0.5+4.5 = 7.$	1
30256 17A	WHARF 16 BOSCH I ALSINA Rambla de Mar East.	Metal post painted red	Red/Green	Groups of 2 red or green flashes every 7 seconds. $0.5+1.5+0.5+4.5 = 7.$	1
30258 17B	WHARF 16 BOSCH I ALSINA Rambla de Mar West.	Metal post painted red	Red	Groups of 2 flashes every 7 seconds. $0.5+1.5+0.5+4.5 = 7.$	1
30240 18	WHARF 18 BARCELONA NE corner. Centre of edge.	Metal post, painted red, on a pyramidal base.	Red	Groups of 2 flashes every 7 seconds. $0.5+1.5+0.5+4.5 = 7.$	2
30230 19	WHARF 18 BARCELONA Southern corner.	Metal post, painted red, on a pyramidal base.	Red	One flash every 5 seconds. $0.5+4.5 = 5.$	2

No. in Lighthouse book and on map	Name and position	Description	Colour of light	Characteristics	Range in miles
30134 20A	WHARF 20 PONENT Beaconing bridge. South defences	Metal post, painted red.	Red	One flash every 5 seconds. $0.5+4.5 = 5.$	2
30135 20B	WHARF 20 PONENT Beaconing bridge. South defences	Metal post, painted red.	Red	One flash every 5 seconds. $0.5+4.5 = 5.$	2
30110 21	WHARF 20 PONENT SE corner.	Metal post, painted red, on a pyramidal base.	Red	Groups of 3 flashes every 9 seconds. $0.5+1.5+0.5+1.5+0.5+4.5 = 9.$	2
30090 22	WHARF 22 CONTRADIC NE corner.	Metal post, painted red, on a pyramidal base.	Red	Groups of 2 flashes every 7 seconds. $0.5+1.5+0.5+4.5 = 7.$	2
30070 23	WHARF 22 CONTRADIC Southern corner.	Metal post, painted red, on a pyramidal base.	Red	One flash every 5 seconds. $0.5+4.5 = 5.$	2
30050 24	WHARF 24 SUD Northern corner.	Metal post, painted red, on a pyramidal base.	Red	Groups of 4 flashes every 11 seconds. $(0.5+1.5) 3 \text{ times} +0.5+4.5 = 11.$	2
30030 25	WHARF 24 SUD Southern corner.	Metal post, painted red, on a pyramidal base.	Red	Groups of 3 flashes every 9 seconds. $0.5+1.5+0.5+1.5+0.5+4.5 = 9.$	2
29980 26	WHARF 25 PANTALÀ At the head of the wharf.	Small metal pyramidal tower, painted with three bands (red-green-red).	Red	Groups of 2 flashes plus 1 every 21 seconds. $0.5+4.5+0.5+1.5+0.5+13.5 = 21.$	2
29960 27	WHARF 26 ALVAREZ DE LA CAMPA NE end.	Metal post, painted green, on a pyramidal base.	Green	One flash every 5 seconds. $0.5+4.5 = 5.$	2
29950 28	WHARF 27 LEPANT Southern end.	Metal post, painted green, on a pyramidal base.	Green	Group of two flashes every 7 seconds. $0.5+1.5+0.5+4.5 = 7.$	2
29945 29	WHARF 27 LEPANT End of berth n°2.	Metal post, painted green, on a pyramidal base.	Green	Group of three flashes every 9 seconds. $0.5+1.5+0.5+1.5+0.5+4.5 = 9.$	2
29942 30	WHARF 27 LEPANT End of berth n°1.	Metal post, painted green, on a pyramidal base.	Green	Group of four flashes every 11 seconds. $(0.5+1.5) 3 \text{ times}+0.5+4.5=11.$	2
29930 31	WHARF 28 EVARISTO FDEZ. End of jetty.	Metal post, painted green, on a pyramidal base.	Green	Group of 2+1 flashes every 21 seconds. $0.5+4.5+0.5+1.5+0.5+13.5 = 21.$	2
29900 32	WHARF 29 PRINCEP D'ESPANYA Southern end.	Metal post, painted green, on a pyramidal base.	Green	Group of three flashes every 9 seconds. $0.5+1.5+0.5+1.5+0.5+4.5 = 9.$	2
29890 33	WHARF 30 DÀRSENA SUD Southern end.	Metal post, painted red, on a pyramidal base.	Red	Group of two flashes every 7 seconds. $0.5+1.5+0.5+4.5 = 7.$	2



No. in Lighthouse book and on map	Name and position	Description	Colour of light	Characteristics	Range in miles
29860 34	BUOY 2, ACCESS CHANNEL TO BASIN OF INFLAMABLES WHARF.	Red spar buoy.	Red	Groups of 4 flashes every 11 seconds. $(0.5+1.5) 3 \text{ times } +0.5+4.5 = 11.$	1
29820 35	BUOY 1, ACCESS CHANNEL TO BASIN OF INFLAMABLES WHARF.	Red spar buoy.	Red	Groups of 3 flashes every 9 seconds. $0.5+1.5+0.5+1.5+0.5+4.5= 9.$	1
29800 37	End of Duc d'Alba	Post painted red	Red	Groups of 2 flashes every 7 seconds. $0.5+1.5+0.5+4.5 = 7.$	1
29760 38	NOU CONTRADIC Beacon at head of jetty.	Cylindrical brick building, painted red, with a white band at the base.	Red	One flash every 5 seconds. $1+4 = 5.$	5
29750 39	South end of the inflammables wharf's filling	Post painted red	Red	Continuous flashes every 1second. $0.5+0.5= 1.$	2
29670 40	RIVER LLOBREGAT BUOY Indicating the shallows at the mouth of the river.	Cylindrical pillar buoy with radar reflector (marks the East quadrant cardinal), painted black with a horizontal yellow band in the centre.	White	Group of three flashes every 10 seconds. $0.3+0.7+0.3+0.7+0.3+7.7 = 10.$	3
29680 41	SIERRA BUOY, 2.7 MILES SOUTH FROM THE END OF L'EST DYKE AND 2 MILES FROM THE COAST.	Cylindrical pillar buoy, painted with red and white vertical bands, with passive radar reflector, marking the centre and beginning of the entry channel to the port.	White	Morse (letter A) every 10 seconds. $0.5+0.5+1.5+7.5 = 10.$ Racon Morse (letter B).	3
29720 42	WASTE BUOY AT 2 MILES EAST FROM THE END OF L'EST DYKE	Cylindrical pillar buoy painted yellow	Yellow	One flash every 5 seconds $0.5+4.5=5$	3

## 2.3. Wharves and berths

### 2.3.1. Classification by basin

#### 2.3.1.1. Service

Names	Lenght (m)	Draught (m)	Width (m)	Uses
<b>COMMERCIAL BASINS</b>				
Wharf 01C Adossat	45	7.00	25.0	Ro-ro vessels
Wharf 01D Adossat Mod. 28-ramp	24	9.50	26.0	Ro-ro vessels
Wharf 01D Adossat Mod. 17-28	588	12.00	75.5	General cargo
Wharf 01D Adossat Mod. 17-ramp	21	12.00	31.0	Ro-ro vessels
Wharf 01E Adossat Mod. 16-ramp	21	11.80	31.0	Ro-ro vessels
Wharf 01E Adossat Mod. 1-16	765	11.80	75.5	Passengers
Wharf 15B Espanya (East)	235	8.60	12.0	Passengers and representative vessels
Wharf 17A Drassanes	100	7.00	23.0	Passengers/Ro-ro
Wharf 17B Drassanes (ramp)	29	7.00	15.6	Passengers/Ro-ro
Wharf 18A Barcelona (North) (W ramp)	24	8.00	15.6	Passengers/Ro-ro
Wharf 18A Barcelona (North)	481	8.00	80.0	Passengers/Ro-ro
Wharf 18B Barcelona (East)	160	9.50	40.0	Passengers
Wharf 18C Barcelona (South)	430	9.00	80.0	Passengers/Ro-ro
Wharf 18C Barcelona (South) (W ramp)	25	9.00	25.0	Passengers/Ro-ro
Wharf 19A Sant Bertran (N ramp)	25	11.00	0.0	Passengers/Ro-ro
Wharf 19A Sant Bertran	258	11.00	83.0	Passengers/Ro-ro
Wharf 19A Sant Bertran (S ramp)	30	11.00	0.0	Passengers/Ro-ro
Wharf 19B Sant Bertran (N ramp)	30	11.00	0.0	Passengers/Ro-ro
Wharf 19B Sant Bertran	221	11.00	83.0	Passengers/Ro-ro
Wharf 19B Sant Bertran (S ramp)	22	11.00	0.0	Passengers/Ro-ro
Wharf 20A Ponent (North) (W ramp)	23	7.80	0.0	Passengers/Ro-ro
Wharf 20A Ponent (North) (Section 1)	297	7.80	45.0	General cargo ( Lo-lo and Ro-ro vessels)
Wharf 20A Ponent (North) (E ramp)	31	7.80	45.0	Ro-ro vessels
Wharf 20B Ponent (North) (Section 2)	90	7.80	29.0	General cargo
Wharf 20C Ponent (East)	230	9.50	33.0	General cargo
Wharf 20D Ponent (South)	434	11.20	62.0	General cargo
Wharf 20D Ponent (South)	30	11.20	16.0	Ro-ro vessels
Wharf 21 Costa	452	11.20	66.0	General cargo, liquid bulk and ro-ro
Wharf 22A Contradic (North)	419	9.50	85.0	Liquid and solid bulk for special facilities
Wharf 22B Contradic (East)	241	10.80	13.0	Solid bulk for special facilities
Wharf 22C Contradic (South)	419	12.00	160.0	Bulk products, General cargo and Ro-ro

Names	Lenght (m)	Draught (m)	Width (m)	Uses
Wharf 23A East	200	12.00	77.0	Solid bulks
Wharf 24B Sud (northern part)	350	12.00	220.0	Containers
Wharf 24B Sud (eastern part) Mod. 1-10	450	14.00	100.0	Containers
Wharf 24B Sud (eastern part) Mod.10-20	562	16.00	100.0	Containers
Wharf 26A Àlvarez de la Campa (ramp)	30	12.00	0.0	Ro-ro vessels
Wharf 26A Àlvarez de la Campa	180	12.00	0.0	Ro-ro vessels
Wharf 26B Àlvarez de la Campa (section 1)	150	12.00	0.0	Containers
Wharf 26B Àlvarez de la Campa (section 3)	150	8.50	0.0	Containers
Wharf 26B Àlvarez de la Campa (section 4)	80	8.50	0.0	Cement for special facilities
Wharf 26B Àlvarez de la Campa (section 5)	150	6.50	0.0	Containers
Wharf 26C Àlvarez de la Campa	90	6.50	0.0	Containers
Wharf 27A Lepant (berth number 1)	80	7.00	42.0	Ro-ro vessels
Wharf 27B Lepant (berth number 2)	124	7.80	25.0	Ro-ro vessels
Wharf 27C Lepant (berth number 3)	170	11.00	15.0	Ro-ro vessels
Wharf 28A Evaristo Fernández	152	7.00	65.0	Ro-ro vessels
Wharf 29A Príncep d'Espanya	123	8.00	45.0	Containers
Wharf 29A Príncep d'Espanya	965	14.00	150/500.0	Containers
Wharf 30A Dàrsena Sud	278	12.00	150.0	General cargo
Wharf 30B Dàrsena Sud	209	12.00	190.0	Ro-ro vessels (automobiles)
Wharf 30B Dàrsena Sud (N ramp)	25	12.00	0.0	Ro-ro vessels (automobiles)
Wharf 30C Dàrsena Sud	332	12.00	50/100.0	Ro-ro vessels (automobiles)
Wharf 30C Dàrsena Sud (W ramp )	20	12.00	0.0	Ro-ro vessels (automobiles)
Wharf 31A Dàrsena Interior	286	12.00	0.0	Ro-ro vessels (automobiles)
Wharf 31B Dàrsena Interior	96	7.00	0.0	Ro-ro vessels (automobiles)
Wharf 32 Inflamables (7 berths)	1,190	12.00	0.0	Liquefied gases and liquids
<b>TOTAL</b>	12,642			
<b>FISHING BASINS</b>				
Wharf 11A Balears	218	8.00	10.0	Fishing
Wharf 11B Balears	61	8.00	21.0	Fishing
Wharf 11C Balears	261	9.60	50.0	Fishing
Wharf 11B Pescadors	69	8.00	35.0	Fishing
<b>TOTAL</b>	609			
<b>OTHER BASINS</b>				

Names	Lenght (m)	Draught (m)	Width (m)	Uses
Wharf 01B Adossat	252	4.00	0.0	Auxiliary vessels
Landing stage (Breakwater)	30	6.00	0.0	Landing stage (local traffic)
Wharf 01C Adossat Mod. 17 (Ramp heads)	31	12.00	21.1	Auxiliary vessels
Wharf 02B de Llevant (2nd alignment)	204	8.00	60.0	Towboats
Wharf 02C de Llevant (1st alignment)	156	8.00	45.0	Towboats
Wharf 03 Dic Flotant	210	6.00	0.0	repairs and workshops
Wharf 05A Occidental (Head)	59	9.00	10.0	repairs and workshops
Wharf 05B Occidental (West)	210	9.00	19.5	Floating repairs
Wharf 06A Catalunya Sud	35	8.00	5.5	Repairs and outfitting
Wharf 06B Catalunya (head)	50	8.00	18.0	Repairs and outfitting
Wharf 06C Catalunya Nord	214	8.00	26.0	Repairs and outfitting
Wharf 08 Nou 'A'	230	8.00	42.0	Pleasure craft
Wharf 08 Nou 'B'	66	8.00	42.0	Repairs and outfitting
Wharf 10C Pescadors (North)	140	8.00	35.0	Fishing
Wharf 12 Rellotge	218	8.00	65.0	Pleasure craft
Wharf 13 Marina Port Vell	290	8.00	52.0	Pleasure craft
Wharf 14 Dipòsit (2nd alignment)	140	8.00	61.0	Pleasure craft
Wharf 14 Dipòsit (1st alignment)	108	8.00	40.0	Pleasure craft
Wharf 15A Espanya NE	437	8.30	34.0	Yachts and representative vessels
Wharf 15B Espanya East	184	8.60	38.0	Yachts and representative vessels
Wharf 15A Espanya South	123	7.60	36.0	Yachts and representative vessels
Wharf 15A Espanya (southern corner)	53	7.60	0.0	Yachts and representative vessels
Wharf 15A Espanya West-2	284	7.60	45.0	Pleasure craft
Wharf 15A Espanya West-1	242	7.60	19.0	Pleasure craft
Wharf 16 Bosch i Alsina	507	6.60	55.0	Non-commercial vessels, fueling vessels
Wharf 17A Drassanes	97	7.00	0.0	Local traffic
<b>TOTAL</b>	4,570			
<b>TOTAL SERVICE BASINS</b>	17,821			

### 2.3.1.2. Private

Names	Length (m)	Draught (m)	Width (m)	Uses
<b>COMMERCIAL BASINS</b>				
Wharf 01B Adossat	130	11	0	Solid bulk, special facilities
Wharf 25 Pantalà				
Wharf 25C Platform 3 North	250	12	0	Petroleum products
Wharf 25D Platform 3 South	250	12	0	Petroleum products
Wharf 25B Platform 2 North	200	11	0	Petroleum products
Wharf 25E Platform 2 South	200	11	0	Petroleum products
Wharf 25A Platform 1 North	150	8	0	Petroleum products
Wharf 26C Àlvarez de la Campa (section 2)	250	12	100/200	Solid and liquid bulk for special facilities
Wharf 32H Inflamables	258	12	0	Liquefied natural gas
<b>TOTAL</b>	1,688			
<b>FISHING BASINS</b>				
None				
<b>OTHER BASINS</b>				
Wharf 07C Marina '92	126	8	52	Vessel repairs
Wharf 07B Marina '92	104	8	-	Vessel repairs
Wharf 07A Marina '92	126	8	52	Vessel repairs
<b>TOTAL</b>	356			
<b>TOTAL PRIVATE BASINS</b>	2,044			

### 2.3.2. Classification by use and draught

Uses	Linear metres with draught 'D'						Total (m.l.)
	D>=12m	12m>D<=10m	10m>D>=8m	8m>D>=6m	6m>D>=4m	D<4m	
<b>SERVICE</b>							
<b>Commercial wharves</b>							
Conventional cargo	866	886	230	387	-	-	2,369
Containers	2,477	-	273	240	-	-	2,990
Ro-ro berths	1,101	221	24	526	-	-	1,875

Uses	Linear metres with draught 'D'						Total (m.l.)
	D>=12m	12m>D<=10m	10m>D>=8m	8m>D>=6m	6m>D>=4m	D<4m	
Solid bulk, no special facilities	419	-	-	-	-	-	419
Solid bulk, special facilities	200	241	419	80	-	-	940
Liquid bulk	1,190	-	-	-	-	-	1,190
Passengers	-	1,351	1,355	152	-	-	2,858
<b>Other wharves</b>							
Fishing	-	-	608	-	-	-	608
Outfitting, repairs and shipbreaking	-	-	634	210	-	-	844
Miscellaneous	31	-	2,107	1,335	252	-	3,725
<b>TOTAL SERVICE</b>	<b>6,286</b>	<b>2,699</b>	<b>5,649</b>	<b>2,930</b>	<b>252</b>	<b>-</b>	<b>17,816</b>
<b>PRIVATE</b>							
<b>Commercial wharves</b>							
Conventional cargo	-	-	-	-	-	-	-
Containers	-	-	-	-	-	-	-
Ro-ro berths	-	-	-	-	-	-	-
Solid bulk, no special facilities	-	-	-	-	-	-	-
Solid bulk, special facilities	250	130	-	-	-	-	380
Liquid bulk	258	900	150	-	-	-	1,308
Passengers	-	-	-	-	-	-	-
<b>Other wharves</b>							
Fishing	-	-	-	-	-	-	-
Outfitting, repairs and shipbreaking	-	-	356	-	-	-	356
Miscellaneous	-	-	-	-	-	-	-
<b>TOTAL PRIVATE</b>	<b>508</b>	<b>1,030</b>	<b>506</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>2,044</b>
<b>TOTAL SERVICE AND PRIVATE</b>	<b>6,794</b>	<b>3,709</b>	<b>6,155</b>	<b>2,930</b>	<b>252</b>	<b>-</b>	<b>19,860</b>

## 2.4. Storage facilities

### 2.4.1.Storage facilities

Wharf	Designation	Uncovered (m <sup>2</sup> )	Covered and open		Closed			Total area (m <sup>2</sup> )
			Area (m <sup>2</sup> )	Height (m)	Ground-floor area (m <sup>2</sup> )	Height (m <sup>2</sup> )	No. of floors	
Wharf 01 Adossat								
Id.	Yard (Saport-Mapor, S.A.)	32,975	-	-	-	-	-	32,975
Id.	Hangars (Saport-Mapor, S.A.)	-	-	-	14,355	6	1	14,355
Id.	Hangar 1 (various)	-	-	-	3,264	6	1	3,264
Wharf 19 Sant Bertran								
Id.	Yard (Trasmediterránea, S.A.)	29,824	-	-	-	-	-	29,824
Id.	Hangar 3 (various)	-	-	-	8,640	7	1	8,640
Wharf 20, 21 Ponent, Costa								
Id.	Yard (Port Nou, S.A)	52,702	-	-	-	-	-	52,702
Id.	Hangars (Port Nou)	-	-	-	19,442	7	1	19,442
Wharf 22 Contradic.								
Id.	Yard Sur	12,840	-	-	-	-	-	12,840
Wharf 23 Oest								
	Yard	14,820	-	-	-	-	-	14,820
Wharf 24 Sud								
Id.	Yard (T.C.B..)	446,882	-	-	-	-	-	446,882
Id.	Hangars (T.C.B.)	-	-	-	14,400	8	1	14,400
Wharf 26 Álvarez de la Campa								
Id.	Yard (Estibadora de Ponent)	52,252	-	-	-	-	-	52,252
Id.	Hangar (Estibadora de Ponent)	-	-	-	900	6	1	900
Id.	Yard (Transportes Marítimos Alcudia, SA)	15,272	-	-	-	-	-	15,272



Wharf	Designation	Uncovered (m <sup>2</sup> )	Covered and open		Closed			Total area (m <sup>2</sup> )
			Area (m <sup>2</sup> )	Height (m)	Ground-floor area (m <sup>2</sup> )	Height (m <sup>2</sup> )	No. of floors	
C/ Álvarez de la Campa								
Id.	Yard (various)	10,700						
Id.	Hangars (various)				4,460			4,460
Wharf 27 Lepant								
	Yard (Estibadora de Ponent)	48300						48,300
Id.	Hangar (various)				4,800	6	1	4,800
Wharf 28 Evaristo Fernández								
Id.	Yard (UTE Rebarsa)	7,437	-	-				7,437
Id.	Hangar	-	-	-	1,500	8	2	2,100
Old T.I.R								
Id.	Yard (various)	133,206						133,206
Wharves 29, 30 Príncep d'Espanya and Dàrsena Sud								
Id.	Yard (Tercat)	323270						323,270
Id.	Hangar (Tercat)		-	-	26,145	8	1	26,145
Tmo VI								
Id.	Yard (various)	107,469	-	-	-			107,469
Id.	Hangar		-	-	37,302	6	1	37,302
Wharf 31 Dàrsena Sud								
Id.	Yard (various)	348,280	-	-	-	-	-	348,280
Id.	Hangar				1,640	6	1	1,640
Wharf 32 Inflamables								
Id.	Yard (tanks)	496,232	-	-		-	-	496,232
Id.	Yard (widening)	605,372						605,372
<b>TOTAL SERVICE</b>		<b>2,737,833</b>			<b>136,848</b>			

## 2.4.2. Bonded storage facilities

Wharf	Designation	Uncovered (m <sup>2</sup> )	Covered and open		Closed			Total area (m <sup>2</sup> )
			Area (m <sup>2</sup> )	Height (m)	Ground- floor area (m <sup>2</sup> )	Height (m)	No. of floors	
Wharf 26 Àlvarez de la Campa	Depots	-	-	-	45,000	-	-	45,000
Wharf 26 Àlvarez de la Campa (Consorti Zona Franca)	Yards	17,173	-	-	-	-	17,173	
<b>TOTAL</b>		17,173	-	-	45,000	-	-	62,173

## 2.5. Commercial and shipping facilities

### 2.5.1. Dry docks

Location	Owner	Length(m)	Width (m)	Draught with reference to port zero mark (m)	Dead weight capacity (t)	Year of construction
Dic basin	Ini3n Naval Barcelon	215	35	8.5	50,000	1978

### 2.5.2. Floating docks

Owner	Length (m)	Width (m)	Maximum draught (m)	Upward force (t)	Year of construction
Autoritat Portuària Barcelon	120	19	4.5	4,500	1974

### 2.5.3. Slipways

Location	Owner	Characteristics
Wharf 09 Slipway	APB*	Syncrolift 885 m <sup>2</sup> area on water

\*Awarded by call for bids to Marina Barcelona-92, SA

## 2.5.4. Shipyards

Location	Owner	No. of slipway	Area (m <sup>2</sup> )
Wharf 02 Llevant	Hélices y Suministros Navales, SL	None	1,052
Wharf 02 Llevant	North Wind Yard, SL	Id.	3,460
Wharfs 03 Floating dry dock / 05 Occidental / 06 Catalunya	Unión Naval Barcelona	Id.	31,013
Wharf 08 Nou	Marina Barcelona-92, SA	Id.	34,026

## 2.5.5. Refrigerated warehouses and ice factories

Type of installation	Location	Owner	Area (m <sup>2</sup> )	Storage capacity (m <sup>3</sup> )
Refrigerated warehouse	Wharf 19 Sant Bertran	Frigoscandia Logístics, SA	8,609	75,000
Fruit terminal	Wharf 20 Ponent	Terminal Port Nou, SA (BFT)	5,400	23,040

Type of installation	Location	Owner	Area (m <sup>2</sup> )	Storage capacity (m <sup>3</sup> )
Ice factory	Wharf 11 Balears	Barcelona Fishermen's Guild	1,600	296

## 2.5.6. Fishing facilities

Type of facility	Location	Owner	Area
Fish market	Wharf 10 Pescadors	APB	1,500 m <sup>2</sup>
Net dryers	Wharf 10 Pescadors	APB	1,200 m <sup>2</sup>
Buildings for fishing industry	Wharf 10 Pescadors	APB	83 buildings
Buildings for fishing industry	Wharf 11 Balears	APB	50 buildings
Depot for net repairation	Wharf 11 Balears	APB	2,400 m <sup>2</sup>

### 2.5.7. Passenger terminals

Location	Owner	Traffic handled	Area (m <sup>2</sup> )	No. of floors	Total area (m <sup>2</sup> )
Wharf 01 Adossat	APB	EE.MM.A International	3,360	1	3,360
Wharf 01 Adossat	APB	EE.MM.B International	2,400	1	2,400
Wharf 18 Barcelona (North)	Creuers Port Barcelona	International	1,934	4	4,983
Wharf 18 Barcelona (South)	Creuers Port Barcelona	International	1,934	4	5,913
Wharf 18 Barcelona	APB	Balearic islands	670	2	1,400
Wharf 19 Sant Bertran	Trasmediterránea	International and Balearic is.	2,259	2	4,307
Wharf 15B Espanya	APB	International	516	1	516
Wharf 20 Ponent	APB	International	150	1	150

### 2.5.8. Official buildings

Location	Owner	User	Use	Area and characteristics
Wharf 01B Adossat	APB	Red Cross	Maritime rescue station	342 m <sup>2</sup> building Rest of plot 1,563 m <sup>2</sup>
Wharf 08 Nou	Sea Sciences Institute	Sea Sciences Institute	Laboratory	2,560 m <sup>2</sup> building
Wharf 14 Dipòsit	Technical University of Catalonia	Navigation Faculty	School	1,480 m <sup>2</sup> building Rest of plot 2,085 m <sup>2</sup>
Wharf 17 Drassanes	APB	APB	Offices	1,060 m <sup>2</sup> building
Wharf 17 Drassanes	Customs	Customs	Offices	4,840 m <sup>2</sup> building
Wharf 19 Sant Bertran	APB	Archdiocese Barcelona	Maritime ministry	3-storey building (300 m <sup>2</sup> per floor)
Wharf 24 Sud	APB	Ministry of Agriculture	Veterinary inspection	5,185 m <sup>2</sup>
Tram V	APB	Civil Guard / Transporter	Offices	3,730 m <sup>2</sup> building
Tram V	APB	Estibarna	Offices and contracting	1,400 m <sup>2</sup> building Rest of plot 5,600 m <sup>2</sup>
Tram VI	APB	APB	ASTA building	19,500 m <sup>2</sup>
Tram VI	DGMM	DGMM	Harbour Master's office and Maritime traffic control	4,862 m <sup>2</sup>
Tram VI	APB	Estibarna	Formation centre	1,046 m <sup>2</sup>
Tram VI	Generalitat of Catalonia	Agriculture Department	Laboratory	1,964 m <sup>2</sup> building Rest of plot 1,642 m <sup>2</sup>

## 2.5.9. Other commercial and public buildings and facilities

Location	Owner	User	Use	Area and characteristics
Wharf 01B Adossat	Comercializadora Mediterránea de Cementos	Comercializadora Mediterránea de Cementos	Cement silo	Area: 3,750 m <sup>2</sup>
Wharf 09 Escar	APB	-	Shop	108 m <sup>2</sup>
Wharf 09 Escar	APB	A.P.B.	APB Pensioners / Naval League	Area: 780 m <sup>2</sup>
Wharf 16 Bosch i Alsina	APB	A.P.B.	First-aid centre	Building: 600 m <sup>2</sup>
Wharf 22 Contradic	Ergransa	Ergransa	Receiving station for grain and seeds	Silos with capacity for 170,000 m <sup>3</sup>
Wharf 22 Contradic	Moyresa	Moyresa	Warehouse	5,395 m <sup>2</sup>
Wharf 22 Contradic	Portcemen, SA	Portcemen, SA	Silo for clinker and cement	Area: 10,675 m <sup>2</sup> Capacity: 70,000 m <sup>3</sup>
Wharf 26 Álvarez de la Campa	Compañía Valenciana de Cementos Portland, SA	Compañía Valenciana de Cementos Portland, SA	Silo for cement	Capacity 8,800m <sup>3</sup>
Wharf 26 Álvarez de la Campa	APB	Tráficos Marítimos Alcudia, SA	Offices	250 m <sup>2</sup>
Wharf 32 Inflamables	Ecoimsa	Ecoimsa	Waste treatment	Plot: 9,921 m <sup>2</sup>
Wharf 32 Inflamables	APB	Various	Laboratory and offices	324 m <sup>2</sup>
Anselm Clavé street	APB	Port 2000	Headquarters Port 2000, offices	-
Tram VI	APB	Damex	Offices	460 m <sup>2</sup>
Alvarez de la Campa Street	APB	Grúas JJ, SA	Offices	60 m <sup>2</sup>

## 2.6. Ship supply facilities

### 2.6.1. Fuel supply

Type of supply	Location	No. of intakes	Hourly capacity of each intake	Hourly wharf intake capacity	Supplier
Diesel (fishing)	Wharf 11 Balears	1	2 t	2 t	REPSOL
Petrol and diesel	Marina Port Vell	4	1,5 t	6 t	PETROCAT
Petrol and diesel	Wharf 16 Bosch i Alsina	2	2 t	4 t	CEPSA
Diesel and fuel-oil	Entire port (tanker)	-	100/300 m <sup>3</sup>	-	C.L.H.
<b>TOTAL</b>		<b>7</b>			

### 2.7.3. By othes means

(Not applicable)

### 2.6.2. Water supply

Type of supply	Location	No. of outflows	Hourly capacity of each outflow	Hourly wharf outflow capacity	Supplier
Water	Wharf 01 Adossat	11	25 m3	150 m3	APB
Id.	" " "	11	25 m3		Creuers de Barcelona
Id.	Wharf 15A Espanya	5	25 m3	75 m3	APB
Id.	Wharf 16 Bosch i Alsina	4	25 m3	75 m3	APB
Id.	Wharf 17 Drassanes	5	20 m3	50 m3	APB
Id.	Wharf 18A Barcelona N	8	25 m3	100 m3	APB
Id.	" " "	3	25 m3		Creuers de Barcelona
Id.	Wharf 18B Barcelona E	2	25 m3	50 m3	APB
Id.	Wharf 18C Barcelona S	5	25 m3	100 m3	APB
Id.	" " "	3	25 m3		Creuers de Barcelona
Id.	Wharf 19 Sant Bertran	17	25 m3	100 m3	APB
Id.	Wharf 29 Ponent N.	15	25 m3	75 m3	APB
Id.	Wharf 20 Ponent E.	9	25 m3	75 m3	APB
Id.	Wharf 20 Ponent S.	15	25 m3	100 m3	APB
Id.	Wharf 21 Costa	11	25 m3	75 m3	APB
Id.	Wharf 22 Contradic N.	7	25 m3	75 m3	APB
Id.	Wharf 22 Contradic E.	6	25 m3	75 m3	APB
Id.	Wharf 22 Contradic S.	15	25 m3	100 m3	APB
Id.	Wharf 23 Oest	8	30 m3	100 m3	APB
Id.	Wharf 24 Sud (North side)	14	30 m3	100 m3	APB
Id.	Wharf 24 Sud (East side)	39	30 m3	100 m3	APB
Id.	Wharf 26 Àlvarez de la Campa (North)	5	30 m3	75 m3	APB
Id.	Wharf 26 Àlvarez de la Campa (East)	21	30 m3	100 m3	APB
Id.	Wharf 27 Lepant	5	30 m3	75 m3	APB
Id.	Wharf 28 Evaristo Fernández	4	25 m3	75 m3	APB
Id.	Wharf 29 Príncep d'Espanya	35	30 m3	125 m3	APB
Id.	Wharf 30 Dàrsena Sud	27	30 m3	100 m3	APB
Id.	Wharf 31 Dàrsena Interior	15	30 m3	100 m3	APB
Id.	Wharf 32 Inflamables	7	17 m3	70 m3	APB
Id.	Wharf 33 Nou Contradic	2	25 m3	40 m3	APB
<b>TOTAL</b>		<b>334</b>			

## **2.7. Internal communication and land access**

### **2.7.1. Internal communications**

#### **Road**

A 13km. long ring road connects the different wharves and storage areas around the perimeter of the Port of Barcelona. This road has two lanes in each direction around most of its length.

Apart from the peripheral ring network there are also access and service lanes to each wharf, but they are secondary to the main ring road described above.

#### **Rail**

As for internal rail communications, from the Ponent wharf to the south, all the wharves have rail access, either with Renfe gauge (1.668 m), or with the gauge of the Ferrocarrils de la Generalitat de Catalunya (1m) or a mixed variety.

The Port's rail network is 30.36 km long, 15.45 km of which are Iberian gauge, 5 km of the gauge employed by the Ferrocarrils de la Generalitat de Catalunya, 4.7 km of mixed gauge (Iberian-Ferrocarrils de la Generalitat de Catalunya) and 0.52 km of mixed gauge (Iberian- European gauge).

Renfe serves a varied demand of traffic: containers, non-containerised general cargo, solid bulks, and liquid bulks.

The Ferrocarrils de la Generalitat serve the flow of potash that is embarked in Barcelona from the Contradic wharf.

The Sud wharf is equipped with a container rail terminal.

The automobile terminals each have their own rail terminal for cars.



## 2.7.2. Land accesses

The Port of Barcelona is located at the edge of a junction of land transport infrastructures. This is a motorway and rail network which links the Port to its hinterland.

### Road

Given that the rondes, a fast ringroad around the perimeter of the city of Barcelona, pass right next to the Port, access to the road network is immediate.

The main roads and motorways are as follows:

- A-2 Motorway, linking up to the centre of the country, Aragon and the A-68 in the north of Spain and French border at Irun.
- A-7 Mediterranean Motorway, linking to the south with the east and centre of Spain and to the north with the French border and European motorway network.
- A-9 Motorway, linking to the A-7 to the French border via la Jonquera.
- A-16 Motorway, linking with the south and west.
- A-18 Motorway to Sabadell, Terrassa and Manresa, linking to the Llobregat trunk road and through the Cadí Tunnel to France via Puigcerdà and the Pimorent Tunnel.
- A-19 Motorway, linking up to the N II highway to the French border.
- N II highway, to the west, centre and north of the country.
- N 152 highway, to the French border via Puigcerdà.
- N 150 highway, to Sabadell, Terrassa and Manresa.
- N 340 highway, linking up to the south and east of the country.

### Rail

The railways linking the Port and surrounding to the rest of the country are as follows:

Renfe (Iberian gauge)

- To Port-Bou (France) via Mataró and Granollers
- To Puigcerdà (France)
- To centre, west and north of the country via: Manresa-Lleida, San Vicenç-Lleida, Tarragona-Saragossa
- To centre, south and east of the country via: Tarragona-València

Ferrocarrils de la Generalitat de Catalunya

- To Manresa, Súria and Berga (metric gauge)
- To Igualada (metric gauge)
- To Sabadell and Terrassa

### Pipelines

The pipes coming out of the Port to the consumption or distribution centres have the following characteristics:

Start	Diameter	Product	Destination
Inflamables Wharf (Enagas Term	1Ø90 mm	Natural Gas	Derivados Azufre, SA (Zona Franca)
	1Ø200 mm	Natural Gas	Consumption belt
	1Ø200 mm	Natural Gas	Link to the sea edge of the ring
	4Ø150 mm	Propane and Butane	Consumption ring

## 2.8. Dockside cargo-handling equipment

### 2.8.1. Cranes

#### 2.8.1.1 Dock cranes

Location Wharf	Owner	No. And type	Mark	Energy used	Characteristics			Output under normal operating conditions lifts/hour	Year of construction
					Strength (t)	Reach (m)	Height above water level (m)		
Adossat	Saport-Mapor	2 Gantry	Imenasa	(C.a.) 440 v.	28	25	22	30	1978
Ponent N.	T. Port Nou	2 Gantry	Bynsa	(C.a.) 440 v.	6	22	25	25	1982
Ponent E.	T. Port Nou	4 Gantry	Bynsa	(C.a.) 440 v.	6	22	25	25	1982
Ponent S.	T. Port Nou	1 Gantry	Demag	A.T. 6.000 v.	40	35	27	35	1969
Costa	T. Port Nou	2 Gantry	Duro Felguera	(C.a.) 440 v.	12	25	22	30	1981
Costa	T. Port Nou	1 Gantry	Bynsa	(C.a.) 440 v.	30	25	25	25	1982
Costa	TERCAT	1 Gantry	Bynsa	(C.a.) 440 v.	30	25	25	25	1982
Costa	TERCAT	1 Gantry	Macosa	(C.a.) 440 v.	12	25	22	25	1978
Contradic S.	APB	4 Gantry	Macosa	(C.a.) 440 v.	16	35	23	30	1988
Oest	APB	3 Gantry	Duro Felguera	(C.a.) 440 v.	12	25	22	30	1981
Sud N.	TCB	1 Bridge crane	B.W.	A.T. 6.000 v.	50	35	27	35	1982
Sud N.	TCB	1 Bridge crane	Paceco	A.T. 6.000 v.	35	28,5	25	32	1990
Sud E.	TCB	1 Bridge crane	Paceco	A.T. 6.000 v.	50	35	27	35	1996
Sud E.	TCB	2 Bridge crane	Kone	A.T. 6.000 v.	50	47	33	35	1993
Sud E.	TCB	2 Bridge crane	Kone	A.T. 6.000 v.	50	47	33	35	1999
Sud E.	TCB	1 Bridge crane	B.W.	A.T. 6.000 v.	50	35	27	35	1982
Sud E.	TCB	1 Bridge crane	B.W.	A.T. 6.000 v.	50	35	27	35	1988
Alvarez Campa	Est. de Ponent	1 Bridge crane	Paceco	A.T. 6.000 v.	33,5	35	24	30	1966
Alvarez Campa	Est. de Ponent	3 Gantry	Imenasa	(C.a.) 440 v.	28	25	22	30	1973
Alvarez Campa	Transportes Marítimos Alcudia, SA	1 Gantry	Imenasa	(C.a.) 440 v.	28	25	22	30	1973
Alvarez Campa	Transportes Marítimos Alcudia, SA	1 Gantry	Imenasa	(C.a.) 440 v.	28	23	20	30	1980
Lepant	Est. Ponent	1 Gantry	Imenasa	(C.a.) 440 v.	28	25	22	30	1973
Lepant	Est. Ponent	1 Bridge crane	Paceco	(C.a.) 440 v.	41	33	25	25	1985
Príncep d'Espanya	TERCAT	1 Bridge crane	B.W.	A.T. 6.000 v.	50	35	24	30	1972
Príncep d'Espanya	TERCAT	2 Bridge crane	Liebherr	A.T. 6.000 v.	50	45	33	35	1998
Príncep d'Espanya	TERCAT	2 Bridge crane	Liebherr	A.T. 6.000 v.	50	45	33	35	1999

### 2.8.1.2. Mobile cranes

Owner	No.	Mark	Energy used	Strength (tonnes)	Year of construction
Grúas J.J.,S.A.	1	Gontrailer	Diesel oil	100	
Grúas J.J.,S.A.	1	Iveco	Diesel oil	20	
Grúas J.J.,S.A.	1	Mercedes	Diesel oil	30	
Grúas J.J.,S.A.	1	Gontrailer	Diesel oil	50	
Grúas J.J.,S.A.	1	Iveco	Diesel oil	65	
Grúas J.J.,S.A.	1	Iveco	Diesel oil	90	
Grúas J.J.,S.A.	2	Liebherr	Diesel oil	50	1988/95
Grúas J.J.,S.A.	1	Liebherr	Diesel oil	120	1989
Grúas J.J.,S.A.	2	Luna	Diesel oil	35	1989/92
Grúas J.J.,S.A.	3	Liebherr	Diesel oil	25	1990/92
Grúas J.J.,S.A.	4	Liebherr	Diesel oil	45	1990/92
Grúas J.J.,S.A.	1	Liebherr	Diesel oil	70	1991
Grúas J.J.,S.A.	1	Liebherr	Diesel oil	80	1991
Grúas J.J.,S.A.	1	Liebherr	Diesel oil	140	1997
Grúas J.J.,S.A.	1	Liebherr	Diesel oil	100	1999
Grúas J.J.,S.A.	1	Liebherr	Diesel oil	450	1999
Grúas J.J.,S.A.	1	Liebherr	Diesel oil	300	2000
Grúas J.J.,S.A.	1	Volvo	Diesel oil	65	2001
Grúas J.J.,S.A.	1	Liebherr	Diesel oil	160	2001
Saport-Mapor, S.A.	1	Demag 2000 Q	Diesel oil	62	1984
Terminal Catalunya,S.A.	1	Gottwald HMK280 EG	Diesel oil		
Terminal Catalunya,S.A.	1	Liebherr LHM-400G	Diesel oil		2000
Terminal Catalunya,S.A.	3	Gottwald HMK 300EG	Diesel oil		93/98/99
Terminal Port-Nou, S.A.	1	Demag MCQ 2000	Diesel oil	52,5	1990
<b>TOTAL</b>	<b>33</b>				

### 2.8.1.3 Number of cranes. Summary

Type	Service	Private	Total
Gantry			
Over 12 t	4	10	14
12 t	3	3	6
6 t	-	6	6
3 t	-	-	-
Total gantry	7	19	26
Bridge cranes (container carriers)	-	20	20
Mobile cranes	-	33	33
Other cranes	-	-	-
<b>TOTAL</b>	<b>7</b>	<b>72</b>	<b>79</b>

### 2.8.2. Special loading and discharge facilities

Location	Owner	Characteristics	Area and capability	Year of construction
Wharf 01B Adossat	Comercializadora Mediterránea de Cementos, S.A.	Cement depot-silo	8,717 m <sup>2</sup> 18,000 m <sup>3</sup>	1991
Wharf 19 Sant Bertran	Demagrisa	Oil and grease bulk tanks	4,141 m <sup>2</sup> 16,872,39 m <sup>3</sup>	1966
Wharf 22 Contradic (N)	Tramer, S.A.	Loading facilities for potasses	13,000 m <sup>2</sup>	1935-41-69
Wharf 22 Contradic (E)	Ergransa	Grain and seed receiving station	12,908 m <sup>2</sup> 171,670 m <sup>3</sup>	1963-80
Wharf 22 Contradic (S)	Loiret & Haentjens España, S.A.	Molasses and sugar bulk silos	3,002 m <sup>2</sup> 4,520 m <sup>3</sup>	1991
Wharf 22 Contradic (S)	Moyresa	Oil products bulk silos	5,395 m <sup>2</sup> 12,305 m <sup>3</sup>	1966
Wharf 22 Contradic (S)	Portcemen, S.A.	Silos for cement and clinker	10,419 m <sup>2</sup> 72,000 m <sup>3</sup>	1975
Wharf 22 Contradic (S)	Sadesa	Liquid bulk tanks	6,278 m <sup>2</sup> 33,490 m <sup>3</sup>	1963
Wharf 23 Oest	Moyresa	Soya bean milling plant	31,790 m <sup>2</sup>	1979-81

Location	Owner	Characteristics	Area and capability	Year of construction
Wharf 24 Oest	CLH,SA		168,305 m <sup>2</sup> 408,000 m <sup>3</sup>	1929-76
Wharf 26 Álvarez de la Campa	Cargill España, S.A.	Soya bean milling plant	38.123 m <sup>2</sup>	1979
Wharf 26 Álvarez de la Campa	Cía. Valenciana de Cementos, S.A.	Silos for cement	1,276 m <sup>2</sup> 9,800 m <sup>3</sup>	1969
Wharf 32 Inflamables	Decal España, SA	Liquid bulk tanks	96,232 m <sup>2</sup> 329,823 m <sup>3</sup>	1992-01
Wharf 32 Inflamables	Koalagas,SA	Propane gas tanks	96,232 m <sup>2</sup> 329,823 m <sup>3</sup>	1992-01
Wharf 32 Inflamables	Terquimsa,SA	Chemical products tanks	32,231 m <sup>2</sup> 45,600 m <sup>3</sup>	1975
Wharf 32 Inflamables	Tepsa,SA	Chemical and oil tanks	154,901 m <sup>2</sup> 197,657 m <sup>3</sup>	1973-80-95-01
Wharf 32 Inflamables	Relisa,SA	Oil bulk tanks	16,930 m <sup>2</sup> 98,476 m <sup>3</sup>	1975
Wharf 32 Inflamables	Enagas, S.A.	Discharge and storage of liquefied gases	154,979 m <sup>2</sup> 240,000 m <sup>3</sup>	1969

### 2.8.3. Mobile rail material

Location	Owner	Characteristics	Power	Year of construction
Wharf 24 Sud	RENFE	Manoeuvring locotractor	172 kW	1997
Can Tunis Station	ZEPHIR	Manoeuvring locotractor	155kW	1997

## 2.8.4. Auxiliary loading, discharge and transport material

Type of material	Owner / Terminal	No.	Make	Energy used	Characteristics	Year of construction
Weighbridges	Cia. Valenciana de Cementos Portland, SA	1	----	Electricity	----	
Hopper	Cia. Valenciana de Cementos Portland, SA	2	----	Electricity	----	
Fork-lift trucks	Coma y Ribas, S.L.	1	Caterpillar	Diesel oil	4 t	1996
Buckets	Coma y Ribas, S.L.	1	Mecsa	----	7 m3	----
Buckets	Coma y Ribas, S.L.	1	Omega	----	4 m3	1960
Buckets	Coma y Ribas, S.L.	3	Mecsa	----	9,5 m3	1985
Buckets	Coma y Ribas, S.L.	1	Viana	----	6,5 m3	1985
Loaders	Coma y Ribas, S.L.	1	M. Ferguson	Diesel oil	3 t	1989
Trailers	Coma y Ribas, S.L.	6	----	----	----	----
Hopper	Coma y Ribas, S.L.	2	----	----	35 m3	1988
Fork-lift trucks	Compañía Trasmediterranea, S.A.	1	Caterpillar	Diesel oil	2,5 t	1990
Fork-lift trucks	Compañía Trasmediterranea, S.A.	1	Hyster	Diesel oil	5,5 t	1993
Fork-lift trucks	Compañía Trasmediterranea, S.A.	1	Hyster H-15	Diesel oil	5,5 t	1998
Mafis	Compañía Trasmediterranea, S.A.	1	Douglas	Diesel oil	45 t	1980
Mafis	Compañía Trasmediterranea, S.A.	2	Douglas	Diesel oil	45 t	1990
Mafis	Compañía Trasmediterranea, S.A.	2	Douglas	Diesel oil	45 t	1991
Mafis	Compañía Trasmediterranea, S.A.	3	Sisu	Diesel oil	45 t	2000
Tractors	Compañía Trasmediterranea, S.A.	1	John Deere	Diesel oil	5 t	2000
Weighbridges	DECAL, SA	2	Magriña	----	60 t	
Fork-lift trucks	DECAL, SA	1	Nissan	Diesel oil	2 t	
Weighbridges	Demagrisa	1	Ariso	----	60 t	1970
Fork-lift trucks	Enagas, S.A.	1	Still	Electricity	1,5 t	
Weighbridges	Ergransa, S.A.	2	Mettler Toledo	Electricity	60 t	1999
Loaders	Ergransa, S.A.	2	Bobcat Clark	Diesel oil	1.679 Kg.	1980
Loaders	Ergransa, S.A.	1	Bobcat Clark	Diesel oil	1.679 Kg.	1982
Loaders	Ergransa, S.A.	1	Bobcat Clark	Diesel oil	1.600 Kg.	1999
Fork-lift trucks	Ership, S.A.	1	----	Diesel oil	----	
Conveyors belts	Ership, S.A.	1	----	Electricity	20 m.	
Buckets	Ership, S.A.	2	----	----	6 m3	
Buckets	Ership, S.A.	2	----	----	10 m3	
Fork-lift trucks	Estibadora de Ponent, S.A.	1	Hyster H-920 E	Diesel oil	35 t	
Fork-lift trucks	Estibadora de Ponent, S.A.	2	Hyster H4400	Diesel oil	36 t	
Fork-lift trucks	Estibadora de Ponent, S.A.	1	Hyster H-620 E	Diesel oil	23 t	
Fork-lift trucks	Estibadora de Ponent, S.A.	1	Hyster H-250 E	Diesel oil	8 t	
Mafis	Estibadora de Ponent, S.A.	4	Terberg	Diesel oil	25 t	

Type of material	Owner / Terminal	No.	Make	Energy used	Characteristics	Year of construction
Mafis	Estibadora de Ponent, S.A.	4	Sisu TR-161-AL	Diesel oil	32 t	
Mafis	Estibadora de Ponent, S.A.	1	Sisu TR-160-AR2	Diesel oil	25 t	
Platforms	Estibadora de Ponent, S.A.	10	-----	-----	12 m.	
Reach Stacker	Estibadora de Ponent, S.A.	5	Sisu	Diesel oil	45 t	
Spreader	Estibadora de Ponent, S.A.	2	Van de Graaf		35 t	
Spreader	Estibadora de Ponent, S.A.	2	Bromma		35 t	
Fork-lift trucks	Frigoscandia, SA	1	Linde	Electricity	1,5 t	90
Conveyors belts	Frigoscandia, SA	2	Proconsa	Electricity	10m. 6m.	
Fork-lift trucks	Gines Guirao, S.L.	1	Caterpillar 936-E	Diesel oil	110 kW	
Fork-lift trucks	Gines Guirao, S.L.	1	Case-1840	Diesel oil	20 kW	
Fork-lift trucks	Gines Guirao, S.L.	1	ITF . 28	Diesel oil	133 kW	
Fork-lift trucks	Gines Guirao, S.L.	1	Bobcat-974	Diesel oil	60 kW	
Fork-lift trucks	Gines Guirao, S.L.	1	Caterpillar 966- E	Diesel oil	175 kW	
Fork-lift trucks	Gines Guirao, S.L.	1	Caterpillar 950-B	Diesel oil	130 kW	1990
Fork-lift trucks	Gines Guirao, S.L.	1	Caterpillar 966-D	Diesel oil	175 kW	1990
Fork-lift trucks	Gines Guirao, S.L.	1	Dresser-530	Diesel oil	135 kW	1991
Fork-lift trucks	Gines Guirao, S.L.	1	Caterpillar 926- E	Diesel oil	90 kW	1991
Fork-lift trucks	Gines Guirao, S.L.	1	Dresser-545	Diesel oil	184 kW	1995
Hoppers	Gines Guirao, S.L.	1	John-Deere	Diesel oil	60 kW	
Fork-lift trucks	José Llinas e Hijos, S.L.	1	Caterpillar	Diesel oil	24 t	1986
Fork-lift trucks	José Llinas e Hijos, S.L.	1	KALMAR	Diesel oil	42 t	1987
Fork-lift trucks	José Llinas e Hijos, S.L.	1	KALMAR	Diesel oil	10 t	1989
Fork-lift trucks	José Llinas e Hijos, S.L.	2	TOYOTA	Diesel oil	4 t	1995
Fork-lift trucks	José Llinas e Hijos, S.L.	1	Caterpillar	Diesel oil	4 t	1995
Fork-lift trucks	José Llinas e Hijos, S.L.	1	NISSAN	Diesel oil	5 t	1996
Fork-lift trucks	José Llinas e Hijos, S.L.	2	TOYOTA	Electricity	1,5 t	1996
Fork-lift trucks	José Llinas e Hijos, S.L.	1	NISSAN	Petrol	2,5 t	1996
Fork-lift trucks	José Llinas e Hijos, S.L.	1	MITSHUBISHI	Electricity	1,5 t	1996
Fork-lift trucks	José Llinas e Hijos, S.L.	1	NISSAN	Petrol	2,5 t	1996
Fork-lift trucks	José Llinas e Hijos, S.L.	8	NISSAN	Electricity	1,5 t	1996/98
Fork-lift trucks	José Llinas e Hijos, S.L.	3	BT	Electricity	1,5 t	1996/98
Fork-lift trucks	José Llinas e Hijos, S.L.	6	TCM	Diesel oil	1,5 t	1996/99
Fork-lift trucks	José Llinas e Hijos, S.L.	3	NISSAN	Diesel oil	2 t	1997
Fork-lift trucks	José Llinas e Hijos, S.L.	2	NISSAN	Electricity	2,5 t	1997
Fork-lift trucks	José Llinas e Hijos, S.L.	1	NISSAN	Electricity	3 t	1997
Fork-lift trucks	José Llinas e Hijos, S.L.	1	TOYOTA	Diesel oil	1,5 t	1997
Fork-lift trucks	José Llinas e Hijos, S.L.	2	SAMSUNG	Diesel oil	7 t	1997
Fork-lift trucks	José Llinas e Hijos, S.L.	3	SAMSUNG	Diesel oil	2 t	1997
Fork-lift trucks	José Llinas e Hijos, S.L.	7	NISSAN	Diesel oil	2,5 t	1997/99
Fork-lift trucks	José Llinas e Hijos, S.L.	11	NISSAN	Diesel oil	1,5 t	1998
Fork-lift trucks	José Llinas e Hijos, S.L.	2	NISSAN	Diesel oil	4 t	1998
Fork-lift trucks	José Llinas e Hijos, S.L.	1	SAMSUNG	Diesel oil	2,5 t	1998
Fork-lift trucks	José Llinas e Hijos, S.L.	1	CARER	Electricity	1,5 t	1998
Fork-lift trucks	José Llinas e Hijos, S.L.	2	TOYOTA	Diesel oil	2,5	1998
Fork-lift trucks	José Llinas e Hijos, S.L.	1	NISSAN	Diesel oil	4,5 t	1999
Fork-lift trucks	José Llinas e Hijos, S.L.	2	JUNGHEINRICH	Electricity	1,5 t	2000



Type of material	Owner / Terminal	No.	Make	Energy used	Characteristics	Year of construction
Trailers	José Llinas e Hijos, S.L.	3	CONTRAILER	Diesel oil	30 t	1995
Trailers	José Llinas e Hijos, S.L.	2	FRUEHAUF	-----	35 t	1997
Trailers	José Llinas e Hijos, S.L.	1	TRABOSA	-----	30 t	2000
Tractors	José Llinas e Hijos, S.L.	1	PEGASO	Diesel oil	40 t	1993
Tractors	José Llinas e Hijos, S.L.	4	IVECO	Diesel oil	40 t	1997/00
Transpalets	José Llinas e Hijos, S.L.	4	BT	Electricity	2 t	1998
Transpalets	José Llinas e Hijos, S.L.	2	MIC	Electricity	2 t	1999
Transpalets	José Llinas e Hijos, S.L.	1	STOCKLIN	Electricity	2 t	2000
Fork-lift trucks	Loiret & Haentjens España, S.A.	1	FIAT	Electricity	1,75 t	
Fork-lift trucks	Loiret & Haentjens España, S.A.	1	HYSTER	Electricity	1,5 t	
Tank semi-trailer	Loiret & Haentjens España, S.A.	2	B.S.L.		21 m3.	
Tank semi-trailer	Loiret & Haentjens España, S.A.	1	B.S.L.		24 m3.	
Loaders	Portcemen, S.A.	1	JCB 416	Diesel oil	5,4 t	
Cranes	Renfe (Tte. Combinado)	1	Jaso 262	Electricity	40 t	
Weighbridges	Sadesa	1	MOBBA	Electronic	60 t	
Fork-lift trucks	Sadesa	1	Caterpillar	Diesel oil	4 t	
Trailers	Sadesa	2	-----	-----	-----	
Fork-lift trucks	Saport-Mapor, S.A.	1	Luna TH 32 N	Diesel oil	32 t	1980
Fork-lift trucks	Saport-Mapor, S.A.	2	Luna	Diesel oil	40 t	1983
Fork-lift trucks	Saport-Mapor, S.A.	1	Toyota 023 FD 35	Diesel oil	4 t	1984
Fork-lift trucks	Saport-Mapor, S.A.	1	Kalmar	Diesel oil	28 t	1985
Fork-lift trucks	Saport-Mapor, S.A.	1	Kalmar	Diesel oil	42 t	1985
Fork-lift trucks	Saport-Mapor, S.A.	11	Hyster 300 y 400 XL	Diesel oil	3 y 4 t	1986
Fork-lift trucks	Saport-Mapor, S.A.	2	Hyster H 80	Diesel oil	6 t	1989
Fork-lift trucks	Saport-Mapor, S.A.	1	Hyster H400 C	Diesel oil	42 t	1991
Fork-lift trucks	Saport-Mapor, S.A.	1	Luna TH 28 R	Diesel oil	28 t	1993
Fork-lift trucks	Saport-Mapor, S.A.	1	Luna TH 42 R	Diesel oil	42 t	1993
Fork-lift trucks	Saport-Mapor, S.A.	1	Tug Master KALMAR	Diesel oil		1993
Fork-lift trucks	Saport-Mapor, S.A.	3	Hyster H 1400 XL	Diesel oil	16 t	1994
Fork-lift trucks	Saport-Mapor, S.A.	2	Nissan	Diesel oil	7,5 t	1994
Fork-lift trucks	Saport-Mapor, S.A.	1	Tug Master SISU	Diesel oil	-----	1994
Fork-lift trucks	Saport-Mapor, S.A.	3	Tug Master SISU	Diesel oil	-----	1998
Fork-lift trucks	Saport-Mapor, S.A.	1	Hyster H460B	Diesel oil	20 t	1998
Platforms	Saport-Mapor, S.A.	7	-----	-----	40'	1983
fork-lift empty	TCB, SA	2	Sisu	-----	9 t	1998
Trucks	TCB, SA	5	Pegaso	Diesel oil	-----	1983
Fork-lift trucks	TCB, SA	3	Luna	Diesel oil	40 t	1983
Fork-lift trucks	TCB, SA	3	Hyster	Diesel oil	6 t	1983
Fork-lift trucks	TCB, SA	2	Hyster	Diesel oil	1,5 t	1983
Fork-lift trucks	TCB, SA	1	Caterpillar	Diesel oil	4 t	1987
Fork-lift trucks	TCB, SA	3	Caterpillar	Diesel oil	3 t	1987
Fork-lift trucks	TCB, SA	2	Caterpillar	Diesel oil	2,5 t	1987
Fork-lift trucks	TCB, SA	2	Hyster	Diesel oil	25 t	1988
Fork-lift trucks	TCB, SA	2	Fenwick	Diesel oil	17 t	1989

Type of material	Owner / Terminal	No.	Make	Energy used	Characteristics	Year of construction
Platforms	TCB, SA	2	Fruehauf	-----	-----	1983
Reach Stacker	TCB, SA	1	Sisu	Diesel oil	45 t	1998
Straddle Carrier	TCB, SA	4	Valmet-Sisu	Diesel oil	40 t	1983
Straddle Carrier	TCB, SA	3	Valmet-Sisu	Diesel oil	40 t	1988
Straddle Carrier	TCB, SA	2	Valmet-Sisu	Diesel oil	40 t	1991
Straddle Carrier	TCB, SA	3	Valmet-Sisu	Diesel oil	40 t	1992
Straddle Carrier	TCB, SA	5	Valmet-Sisu	Diesel oil	40 t	1993
Straddle Carrier	TCB, SA	6	Valmet-Sisu	Diesel oil	40 t	1995
Straddle Carrier	TCB, SA	3	Valmet-Sisu	Diesel oil	40 t	1996
Straddle Carrier	TCB, SA	5	Valmet-Sisu	Diesel oil	40 t	1997
Straddle Carrier	TCB, SA	3	Valmet-Sisu	Diesel oil	40 t	1998
Straddle Carrier	TCB, SA	6	Sisu-Kalmar	Diesel oil	40 t	2000
Fork-lift trucks	Terminal Catalunya, S.A.	5	Hyster H-1600-XL2	Diesel oil	16 t	
Fork-lift trucks	Terminal Catalunya, S.A.	3	Hyster H3200	Diesel oil	32 t	
Fork-lift trucks	Terminal Catalunya, S.A.	2	Caterpillar DP-25	Diesel oil	2,5 t	
Fork-lift trucks	Terminal Catalunya, S.A.	2	Hyster H-2800	Diesel oil	2,8 t	
Fork-lift trucks	Terminal Catalunya, S.A.	1	Caterpillar DP 150	Diesel oil	15 t	
Fork-lift trucks	Terminal Catalunya, S.A.	6	Hyster H2500 XL	Diesel oil	25 t	
Fork-lift trucks	Terminal Catalunya, S.A.	5	Caterpillar DP 40	Diesel oil	4 t	
Fork-lift trucks	Terminal Catalunya, S.A.	2	Hyster H1800-XL	Diesel oil	2,5 t	
Fork-lift trucks	Terminal Catalunya, S.A.	4	Caterpillar V-330-C	Diesel oil	16 t	
Fork-lift trucks	Terminal Catalunya, S.A.	2	Caterpillar V-330-B	Diesel oil	16 t	
Fork-lift trucks	Terminal Catalunya, S.A.	2	Caterpillar V-155-B	Diesel oil	7 t	
Fork-lift trucks	Terminal Catalunya, S.A.	1	Caterpillar V-620-B	Diesel oil	28 t	
Fork-lift trucks	Terminal Catalunya, S.A.	1	KALMAR 16-200	Diesel oil	30 t	
Fork-lift trucks	Terminal Catalunya, S.A.	1	Hyster H4800-XL2	Diesel oil	48 t	
Fork-lift trucks	Terminal Catalunya, S.A.	5	Hyster H-700-XL	Diesel oil	7 t	
Fork-lift trucks	Terminal Catalunya, S.A.	15	Hyster H400 - XL	Diesel oil	4 t	
Mafis	Terminal Catalunya, S.A.	2	SEACOM	-----	--	
Mafis	Terminal Catalunya, S.A.	6	BUISCAR	-----	--	
Mafis	Terminal Catalunya, S.A.	10	FABRISEN	-----	--	
Loaders	Terminal Catalunya, S.A.	6	Various	-----	--	
Reach Stacker	Terminal Catalunya, S.A.	4	PPM TF C45-R	Diesel oil	40 t	
Reach Stacker	Terminal Catalunya, S.A.	8	Fantuzzi CS-45-S	Diesel oil	40 t	
Reach Stacker	Terminal Catalunya, S.A.	2	Kalmar DR 420 - 60S5T	Diesel oil	36 t	
Reach Stacker	Terminal Catalunya, S.A.	6	PPM FCH-77	Diesel oil	36 t	
Reach Stacker	Terminal Catalunya, S.A.	1	KALMAR DR-450-60A5X	Diesel oil	40 t	
Reach Stacker	Terminal Catalunya, S.A.	1	PPM FCH 55	Diesel oil		
Trastainers	Terminal Catalunya, S.A.	8	Fantuzzi Regienne	Diesel oil	40 t	
Fork-lift trucks	Terminal Port-Nou, S.A	1	Fentuzzi	Diesel oil	45 t	
Fork-lift trucks	Terminal Port-Nou, S.A	3	Hyster	Diesel oil	7 t	1990/1994

Type of material	Owner / Terminal	No.	Make	Energy used	Characteristics	Year of construction
Fork-lift trucks	Terminal Port-Nou, S.A	8	Fiat DI 30 CH	Diesel oil	3 t	1993/1994
Fork-lift trucks	Terminal Port-Nou, S.A	4	Fiat DI 40 C	Diesel oil	4 t	1994
Fork-lift trucks	Terminal Port-Nou, S.A	1	Kalmar	Diesel oil	32 t	1998
Fork-lift trucks	Terminal Port-Nou, S.A	4	Kalmar	Diesel oil	45 t	1998/1999
Fork-lift trucks	Terminal Port-Nou, S.A	8	Toyota	Diesel oil	4 t	2000
Mafis	Terminal Port-Nou, S.A	4	Terberg	Diesel oil		1990/1999
Mafis	Terminal Port-Nou, S.A	1	Caterpillar	Diesel oil		2000
Platforms	Terminal Port-Nou, S.A	4	Buiscar			
Transtainer	Terminal Port-Nou, S.A	2	Gommata Ansaldo	Diesel oil	42 t.	1990
Fork-lift trucks	Terminales Portuarias, S.A.	1	TOYOTA 5FD25	Diesel oil	2,5 t	1991
Weighbridges	Terminales Portuarias, S.A.(T-2)	1	Bam-Eergio	Mechanics	50 Kg	
Weighbridges	Terminales Portuarias, S.A.(T-2)	1	Bam-Eergio	Mechanics	250 Kg	
Weighbridges	Terminales Portuarias, S.A.(T-2)	1	Bam-Eergio	Mechanics	350 kg	
Weighbridges	Terminales Portuarias, S.A.(T-2)	1	Cely	Mechanics	400 Kg	
Weighbridges	Terminales Portuarias, S.A.(T-2)	2	Pibernat-Epelsa	Electricity	60 t	
Weighbridges	Terminales Portuarias, S.A.(T-2)	2	Ariso	Mechanics	500 Kg	
Weighbridges	Terminales Portuarias, S.A.(T-2)	1	Cely	Mechanics	1.500 Kg	2000
Weighbridges	Terminales Portuarias, S.A.(T-2)	1	Epelsa	Electricity	1.800 Kg	2000
Fork-lift trucks	Terminales Portuarias, S.A.(T-2)	3	Yale	Diesel oil	37,5 kW	
Fork-lift trucks	Terminales Portuarias, S.A.(T-2)	1	Still	Diesel oil	37 kW	
Fork-lift trucks	TERQUIMSA	1	Daewoo	Diesel oil	2,5 t	
Fork-lift trucks	TERQUIMSA	1	Fiat	Diesel oil	3,5 t	
Weighbridges	Tráfico de Mercancias, S.A	1	Casals	-----	80 t	1975
Weighbridges	Tráfico de Mercancias, S.A	2	Schenck	Over belts	1.000 t/H	1983/1994
Conveyors belts	Tráfico de Mercancias, S.A	25	various	Electricity	1.300 m.	1971/1988
Weighbridges	Tráfico de Mercancias, S.A	2	M.I.T.	Electricity	500/1000 t/H	1960/1971
Scraper	Tráfico de Mercancias, S.A	1	M.I.T.	Electricity	600 t/h	1975
Fork-lift trucks	Ttes. Marítimos Alcudia, SA	6	Caterpillar 15	Diesel oil		
Fork-lift trucks	Ttes. Marítimos Alcudia, SA	1	Caterpillar B16	Diesel oil	7 t	

## 2.9. Floating material

### 2.9.1. Dredgers

(none)

### 2.9.2. Tugboats

Name	Owner	Energy used	Power H.P.	Length (m)	Width (m)	Depth (m)	Year of construction
Montornés	Remolcad. De Barcelona, SA	Gasoli	2,021	28.90	8.70	4.80	1992
Montgat	Id.	Id.	2,021	28.90	8.70	4.80	1993
Montjoi	Id.	Id.	2,646	27.00	9.70	3.90	1995
Montsacopa	Id.	Id.	2,646	27.00	9.70	3.90	1998
A. Gaudí	SAR Remolcadore	Id.	1,389	31.00	8.50	4.40	1975
Joan Miró	Id.	Id.	2,021	28.90	8.70	4.80	1992
Joaquim Ruirá	Id.	Id.	2,646	27.00	9.70	3.90	1995
Pau Casals	Id.	Id.	2,941	27.01	9.70	3.90	1998

### 2.9.3. Sludge lighter, lighters and barges

Name	Owner	Characteristics	Year of construction
GANGUIL NÚMERO UNO	APB	Sludge	1969
LASPAS 180	APB	Pontoon	1968

### 2.9.4. Floating cranes

(None)

### 2.9.5. Other auxiliary service means

Name	Owner	Characteristics	Year of construction
Neptuno	APB	Floating waste collector	1980
Corb Marí I	id	Floating waste collector	1996
Corb Marí II	id	Floating waste collector	1996
Blavet	id	Floating waste collector	1998

Name	Owner	Characteristics	Year of construction
Xatrac	id	Floating waste collector	1998
Pedro de Alvarado	id.	Sounding and miscellaneous services	1964
APB BOMBERS	id.	Underwater fire brigade for maritime rescue	2000
Porta d'Aigua	id.	Authorities and visitors	1992
Pelican 69	ECOLMARE	Floating waste collector	1980
Ghibli	SPRA, S.A.	Auxiliary antipollution and fire-fighting service launch	1975
Caperol	id.	Auxiliary service launch	1976
Lucaya III	id.	Staff- transport launch	1962
Lucaya IV	id.	Staff- transport launch	1992
La Restinga	id.	Launch for hydrographic works	1992
Aljibe nº 1	id.	Tank vessel	1968

## 2.10. Brief description of facilities for specific traffic types

### Containers and general cargo terminals

#### Loading for external navigation

On the Sud wharf you can find the Public Container Terminal, a concession granted to TCB, SL. It currently occupies an area of 46.2 hectares and has two berthing lines, one on the north face 350 m long and with a 12 m draught and another on the east face 1,012 m long and with a draught of between 14 and 16 m. This terminal has 9 container lifting cranes, 4 of which are of the post-panamax type.

On 29 Príncep d'Espanya wharf, the Terminal Catalunya, SA firm holds the concession of a multi-purpose terminal, with a surface area of 32.3 hectares, a berthing line of 1,448 m and a draught of between 8.7 and 14 m. The terminal has two ro-ro ramp and covered warehouses with a surface area of 21,750 m<sup>2</sup>. Likewise, the company owns 8 container lifting cranes, 6 of which are of the post-panamax type.

On 01 Adossat, 19 Sant Bertran, 20 Ponent and 21 Costa wharves, there are two multi-purpose run by Saport-Mapor, SA, Terminal Port-Nou, SA and Terminal Catalunya, SA respectively. These terminals together occupy an area of 8.56 hectares, with a maximum draught of 12 m and a berthing line of 2,100 m. They also have a total of 8 ro-ro ramps and a total covered warehouse area of 37,700 m<sup>2</sup>.

#### Cargo under Short Sea Shipping mode

26 Álvarez de la Campa and 27 Lepant wharves (berths nos. 2 and 3) contain the area occupied by the company Estibadora de Ponent, SA for the handling of containers. This facility has an authorised area of 52,252 m<sup>2</sup> and 48,300 m<sup>2</sup>, respectively on each wharf with draughts of between 6.5m and 11.8 m and a berthing line of 870 m with three ro-ro berths. Likewise, it has 4 gantry cranes of 28 t and 2 container lifting cranes of 33.5 t and 41 t. This terminal, as well as short sea shipping, also handles exterior traffic with origin/destination in North Africa.

On the same 26 Álvarez de la Campa wharf the company Transportes Marítimos Alcudia, SA, is authorised to operate containerised goods on a flat area of 1.7 hectares and 2,484.2 m<sup>2</sup> of warehouses, with a berthing line of 150 m and 8.5 m of draught. It has two gantry cranes of 28t.

On Sant Bertran wharf, the Cía. Tramediterránea, SA company has an authorised area of 32,083 m<sup>2</sup> for the handling of containerised goods.

#### Automobile terminals

On 30 Dàrsena Sud and 31 Dàrsena Interior wharves there are the two automobile terminals: Autoterminal, SA and Setram SA. The berthing line of these wharves is 800 m with a maximum draught of 12 m. Autoterminal has an area under concession of 29.2 ha, with two vertical silos allowing it to increase its storage area by 254,000 m<sup>2</sup>. The terminal has a capacity for 41,500 vehicles of which 21,500 correspond to uncovered places and the remaining 20,000 to covered places. It also has a vehicle personalisation centre and protection-removing tunnel.

Setram operates an area under concession of 5 hectares.

#### Bulk grain and seed terminal

22B Contradic Est wharf is home to the Ergransa terminal, specialised in the reception of bulk grains and seeds. It has multicellular silos with capacity for 170,000 t. At the terminal there is a pneumatic discharge operational capacity: of 900 t/h.

### **Terminals for milling soya beans**

26B Álvarez de la Campa, 22C Contradic and 23A Oest wharves are home to the Cargill España, SA and Moyresa industries, specialised in the traffic of soyabeans. They have milling plants with a capacity of 1,200,000 t.

### **Bulk cement reception and embarking terminal**

On 01 Adossat, 22C Contradic and 26B Álvarez de la Campa wharves there are the Comercializadora Mediterránea de Cementos, SA, Portcemen, SA and Cía. Valenciana de Cementos, SA, cement terminals. These terminals have silos with capacity for 104,800 t.

### **Potash loading terminal**

On 22A Contradic wharf we can find Tramer SA, a terminal dedicated to the loading of potash. It has a maximum storage capacity of 80,000 t and is equipped with two gantry cranes with capacity from 400 to 700 t/hour.

### **Terminals for the loading, unloading and storage of liquified gases and liquid in bulk**

The Port of Barcelona houses the following specialised terminals in this segment of traffic: Enagas, SA (natural gas), Relisa (oils), Tepsa (chemicals and refined petroleum), Terquimsa (liquid chemicals), Decal (chemicals and refined petroleum), Koalagas, SA (liquefed gas), CLH, SA (refined petroleum), Sadesa (oils), Demagrisa (oils) and Loiret & Haëntjens Esp., SA (molasses). These terminals are located on 32 Inflamables, 19 Sant Bertran, 22 Contradic and Tram IV wharves. They occupy a total area of 65.5 hectares with an exclusive berthing line of 2,390 m and a maximum draught of 12 m. The total storage capacity is 1,200,000 m<sup>3</sup>.

### **Fruit Terminal**

20C Ponent wharf houses the Barcelona Fruit Terminal. It has 5,556 m<sup>2</sup> of refrigerated warehouse space, with three independent temperature controls, simultaneous storage of up to 6,000 pallets, computerised bar code control system and a loading platform which can accommodate up to 150 lorries per day.

### **Coffee and Cocoa Terminal**

On 26 Álvarez de la Campa wharf is the BIT SA terminal, with an area of 11,000 m<sup>2</sup> and a storage capacity for coffee and cocoa of 14,000 t. The terminal is under duty-free control and is type approved by the LIFFE (London International Financial Futures and Options Exchange), necessary for the delivery and auctioning of coffee.

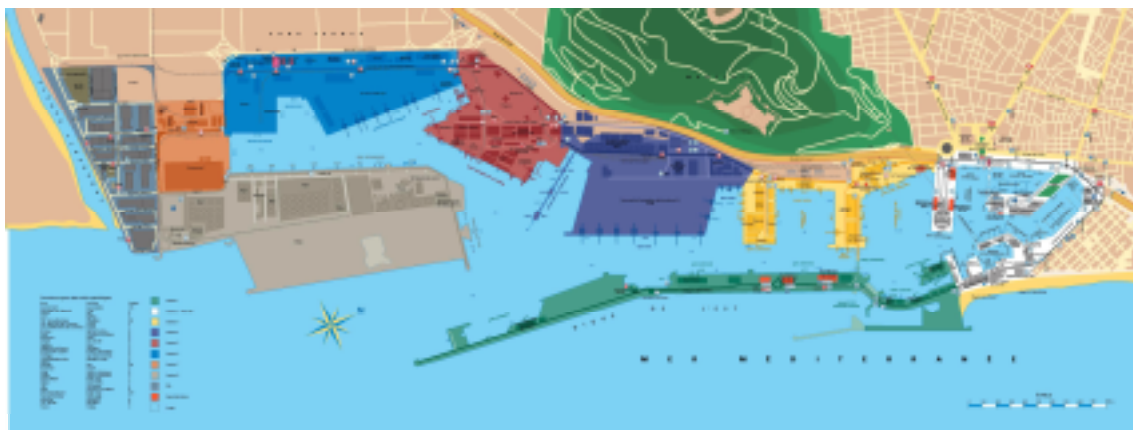
### **Non-Ferrous Metals Terminal**

30 Dàrsena Sud wharve we can find the non-ferrous metals terminal, Barcelona Metals, SA, specialised in the handling, storage and distribution of metals and their alloys: aluminium, copper, nickel, lead, tin and zinc. Type approved by the London Metals Exchange (LME)

### **Perishable Goods Terminal**

19 Sant Beltran wharf houses Frigoscandia Logístics. The terminal has a cold storage facility of 8,609 m<sup>2</sup> for the storage of perishable goods whose stores have a capacity of 75.000 m<sup>3</sup>, and a freezing tunnel. This terminal is type-approved for intracommunity storage.

## 2.11. General map of Port







### **3 Authorised private-sector construction works and activities**

Although the land itself is owned by the public sector, most of this is leased out through a number of legal deeds to private companies, which render port services. This chapter first contains a list of all the spaces, organised by wharf, which were leased out to private companies before the onset of 2001, with specific details as to size, functional use, the date on which authorisation was granted and the levy paid to the Barcelona Port Authority.

Following that there is a list of all the construction works and activities authorised in 2001.

## **Authorised private-sector construction works and activities**

### **Introduction**

**3.1. Authorised before 2001 and currently in force**

**3.2. Authorised in 2001**

### 3. Authorised private-sector construction works and activities

#### 3.1. Authorised before 2001 and currently in force

No.	Designation	Area m2	Date of authorisation	Owner	Levy Euros/m2/year	Annual total (euros)
<b>L'EST DYKE</b>						
1	Controlled rod-fishing area	97.50	APB 05/30/1994	SDAD. PESCADORES DEP. DE MAR	13.29	1,296
2	Site for breaking and silo for cement	8,717.00	PAB 07/26/1982	COMERCIALIZ. MED. DE CEMENTOS, SA	4.64	40,447
3	Site for educational and sport activities	3,021.00	APB 09/04/1995	UNIVERSITAT DE BARCELONA	4.54	13,715
4	Drinking water network Dic de l'Est - c/ Escar	6,342.00 m.l.	APB 01/21/1997	AGUAS DE BARCELONA, SA	-	-
<b>ADOSSAT</b>						
5	Multipurpose terminal:		APB 10/27/1999	SAPORT-MAPOR, SA		
	Yard	32,975.00			4.18	137,836
	Depot	14,355.00			7.66	109,959
<b>LLEVANT</b>						
6	Depot	1,052.00	APB 04/24/1995	HÉLICES Y SUMINISTROS NAVALES, SL	23.98	25,227
7	Part of depot for workshop	462.00	PAB 05/27/1991	INGENIERÍAS TÉCNICAS PORTUARIAS	7.72	3,567
<b>ORIENTAL</b>						
8	Site for bar-restaurant	168.00	OM 09/24/1964	HERMINIA OLLE ROCA	15.13	2,542
<b>CATALUNYA AND OCCIDENTAL</b>						
9	Vessel repairing area and facilities	31,013.00	OM 10/30/1972	INV. MTMAS. DEL MEDITERRÁNEO, SA	-	178,358
<b>NOU</b>						
10	Central lab. building for scientific research	2,560.00	OM 03/29/1955	INST. INVES. PESQUERAS	no canon	-
11	Sea water intake pipes	57.00 m. l.	OM 02/24/1959	INST. INVES. PESQUERAS	0.03	2
12	Building and facilities	13,704.00	OM 02/20/1967	CLUB NATACIÓ BARCELONA	2.54	34,808
13	New sports facilities	6,220.00	APB 06/25/1997	CLUB NATACIÓ BARCELONA	7.84	48,765
14	Vessel repair technical area	34,025.83	PAB 10/30/1989	MARINA BARCELONA 92, SA	7.72	262,679
15	Vessel-painting building	2,094.20	APB 04/25/1994	MARINA BARCELONA 92, SA	2.24	4,691
16	Municipal sports complex	8,911.40	PAB 04/02/1991	C.N. ATLÉTIC BARCELONETA	1.17	10,426
17	Part of old OTP building	1,295.45	APB 06/30/1999	G.U. PORT 2000	-	0 *

No.	Designation	Area m2	Date of authorisation	Owner	Levy Euros/m2/year	Annual total (euros)
<b>BALEARS</b>						
18	Fuel supply to fishing vessels		APB 02/15/1995	REPSOL CIAL. PROD. PETROLÍFEROS,SA		
	Tancs	101.00			3.14	317
	Pipelines	80.00 m. l.			2.51	201
	Pump	4.00			7.72	31
	Local	16.00			59.97	960
<b>RELLOTGE</b>						
19	Marina for sportives vessel:		PAB 11/05/1990	MARINA PORT-VELL, SA		
	Marina	1,114.30			13.95	15,544
	Support building	742.77			13.95	10,362
	Fishing area	900.00			13.95	12,555
20	Maritime Trade school (Suport building)	2,471.74	APB 02/15/1995	CONSORCI EL FAR	no canon	-
21	Projects links to UPC (Suport building)	593.17	APB 06/25/1998	UNIV.POLITÈCNICA DE CATALUNYA	no canon	-
<b>BARCELONETA</b>						
22	Passeig de Borbó parking garage	14,678.54	PAB 10/30/1989	CINTRA APARCAMIENTOS, SA	14 % income	
<b>DIPÒSIT</b>						
23	Building	295.00	OM 04/29/1967	COL. OF. PES. Y MED. PÚBLICOS	9.92	2,926
24	Part of "Palau de Mar" building	15,594.00	PAB 10/30/1989	PÒRTIC DE MAR, SA	19.84	309,385
25	Palau de Mar (History museum)	10,006.00	APB 03/30/1995	GENERALITAT DE CATALUNYA	0.20	2,001
<b>ESPANYA</b>						
26	Sports buildings and facilities	3,132.00	OM 10/30/1968	REIAL CLUB MARÍTIM	4.24	13,280
27	Sports buildings and facilities	1,780.00	OM 10/30/1968	REIAL CLUB NÀUTIC	4.24	7,547
28	"L'Aquàrium" maritime centre	6,664.00	PAB 11/27/1990	MUNDO SUBMARINO, SA	15.69	104,558
29	Sea water transport for aquarium (Buried pipe)	607.00 m. l.	APB 03/27/1996	MUNDO SUBMARINO, SA	6.28	3,812
	Sea water transport for aquarium (Submerged pipe)	520.00 m. l.			0.89	463
30	Shopping centre:		PAB 10/30/1989	ODISEA 2000, SL		
	"Maremàgnum" Shopping centre	10,950.00			14.88	162,936
	Shopping centre parking garage	11,939.00			3.72	44,413
	Multiscreen cinemas	3,182.00			14.88	47,348

No.	Designation	Area m2	Date of authorisation	Owner	Levy Euros/m2/year	Annual total (euros)
31	Cinema	2,254.00	PAB 02/25/1991	TEATRE IMAX BARCELONA, SA	13.95	31,443
32	Area for terraces	1,076.00	APB 04/24/1995	TEATRE IMAX BARCELONA, SA	15.69	16,882
33	Drinking water network (Sector A-B Port Vell)	2,996.00 m. l.	APB 01/21/1997	AGUAS DE BARCELONA, SA	-	-
<b>BOSCH I ALSINA</b>						
34	3 stands in operation	3 units	APB 11/29/2000	AJUNTAMENT DE BARCELONA	3,614.83	10,843
	2 stands used for maritime traif	2 units	APB 11/29/2000	AJUNTAMENT DE BARCELONA	No canon	-
	stands terrace area	1,042.20	APB 12/06/2000	AJUNTAMENT DE BARCELONA	15.61	16,269
35	Underground parking garage	8,145.00	PAB 01/25/1986	SDAD. MPAL.APARCAM. Y SERV.,SA	1.35	10,996
<b>BARCELONA</b>						
36	World Trade Center Barcelona:		PAB 04/23/1990	WORLD TRADE CENTER BARCELONA, SA		
	Built-on area	17,269.05			13.24	228,642
	Subsoil area	20,366.84			3.72	75,765
	Upon 1 <sup>a</sup> floor E M area	737.00			3.72	2,742
37	Maritime Stations North and South, WTCB	3,868.74	APB 07/28/1999	CREUERS DEL PORT DE BARCELONA, SA	-	61,222
<b>SANT BERTRAN</b>						
38	Passenger terminal	7,028.00	APB 02/14/1996	Cía. TRASMEDITERRÁNEA, SA	9.14	64,236
39	Area of depot no. 3	4,800.00	PAB 03/25/1991	PROVIMAR	18.41	88,368
40	Site for refrigerators	6,600.00	OM 05/31/1960	FRIGOSCANDIA LOGISTICS, SA	9.14	60,324
41	Site for fat tank	4,141.00	OM 06/28/1960	DEMAGRISA	9.14	37,849
	Pipes	387.00 m. l.			3.80	1,471
42	"Apostolado del Mar" building	900.00	PAB 03/18/1991	ARQUEBISBAT DE BARCELONA	No canon	-
43	Drinking water network (Sectors 6 and 7)	8,494.00 m. l.	APB 05/26/1999	AGUAS DE BARCELONA, SA	-	-
<b>PONENT</b>						
44	Perishable goods terminal	5,556.00	PAB 10/28/1991	TERMINAL PORT-NOU, SA	10.21	56,727
45	Multipurpose terminal:		APB 07/28/1999	TERMINAL PORT-NOU, SA		
	Yard	52,702.00			5.58	294,077
	Depot	19,442.00			10.21	198,503
	Office	512.00			59.97	30,705
<b>COSTA</b>						
46	Polivalent terminal:		PAB 01/28/1991	TERMINAL CATALUNYA, SA		
	Yard	13,031.00			5.38	70,107 *
	Depot	4,500.00			9.85	44,325 *

No.	Designation	Area m2		Date of authorisation	Owner	Levy Euros/m2/year	Annual total (euros)
47	Pipes	1,353.00 m. l.	RO	04/16/1923	CLH, SA	2.42	3,274
48	Pipes	996.00 m. l.	OM	09/26/1940	CLH, SA	2.42	2,410
49	Pipes	250.40 m. l.	OM	07/23/1954	CLH, SA	2.42	606
50	Manholes	4.00	OM	07/23/1954	CLH, SA	3.01	12
<b>CONTRADIC</b>							
51	Potash warehouse and wagon tippler	4,663.00	OM	05/08/1958	TRAMER, SA	8.83	41,174
52	Potassium salt distributing tank	3,048.00	RO	11/20/1930	TRAMER, SA	8.83	26,914
53	Wagon tippler	253.00	OM	11/16/1959	TRAMER, SA	8.83	2,234
54	Salt warehouse	2,200.00	OM	01/23/1969	TRAMER, SA	8.83	19,246
55	Distributing warehouse and load-discharge facilities	2,836.00	RO	01/16/1926	TRAMER, SA	8.83	25,042
56	Grain silo "A"	1,102.00	OM	12/21/1961	ERGRANSA	9.19	10,127
57	Area of influence	1,868.00	OM	12/21/1961	ERGRANSA	9.19	17,167
58	Wagon loading and discharge station	164.00	OM	03/21/1970	ERGRANSA	9.19	1,507
59	Extension of silos "B" and "C"	4,440.00	OM	02/08/1978	ERGRANSA	9.19	48,804
60	Agrofood bulks warehouse	5,334.37	APB	10/30/1995	ERGRANSA	9.05	48,276
61	Site for oils and similar goods	5,395.00	APB	02/14/1996	MOYRESA	9.50	51,253
	Pipes	455.00 m. l.				3.51	1,597
	Facilities use	-				-	7,732
62	Site	6,278.00	OM	02/22/1963	SADESA	9.14	57,381
	Pipes	90.00 m. l.				3.51	316
63	Bar	95.87	OM	11/17/1966	JOSE ROVIRA	9.50	911 *
64	Vessel loading facilities	10,675.20	APB	12/13/2000	PORTCEMEN, SA	10.23	109,207
65	Molasses warehouse	3,002.00	PAB	02/25/1991	LOIRET & HAENTJENS ESPAÑA, SA	9.14	27,438
	Pipes	140.00 m. l.				3.51	491
<b>OEST</b>							
66	Cargo terminal	5,481.00	OM	06/03/1924	FERROCARRILS GENERALITAT CATALUNYA	3.03	16,607

No.	Designation	Area m2		Date of authorisation	Owner	Levy Euros/m2/year	Annual total (euros)
67	Stall	30.00	OM	05/13/1958	FERROCARRILS GENERALITAT CATALUNYA	3.03	91
68	Site	31,790.00	OM	04/13/1977	MOYRESA	6.99	222,212
<b>SUD</b>							
69	Public container terminal	268,864.00	PAB	02/24/1992	TCB, SA	6.39	1,718,041
	Public container terminal (works)	192,418.00				5.85	1,125,645
70	Turn around	387.69	RO	01/15/1931	CLH, SA	6.05	2,346
71	Site	635.00	OM	02/19/1946	CLH, SA	6.05	3,842
72	Site	10,317.00	OM	12/19/1962	CLH, SA	6.05	62,422
73	Site	73,080.00	OM	07/28/1967	CLH, SA	6.05	442,134
74	Pipeline BAPRAT	2,175.00 m. l.	APB	03/01/2000	CLH, SA	2.51	5,459
<b>PANTALÀ</b>							
75	Vessel-berthing jetty	10,619.00	OM	06/24/1966	CLH,SA	2.14	22,725
	Vessel-berthing jetty	1,451.00				no canon	-
<b>ÀLVAREZ DE LA CAMPA</b>							
76	Soya oil extraction plant	38,123.00	OM	01/23/1976	CARGILL ESPAÑA, SA	3.56	135,718
77	Cement silos	1,276.00	OM	09/17/1968	CÍA. VALENCIANA DE CEMENTS, SA	6.99	8,919
78	Service station	3,024.00	PAB	01/28/1991	AGIP ESPAÑA, SA		31,363
79	Domestic terminal: Yard	30,218.00	PAB	10/25/1991	ESTIBADORA DE PONENT, SA	5.58	168,616 *
	pot	De 900.00	PAB	02/25/1991	ESTIBADORA DE PONENT, SA	10.21	9,189 *
80	60-tonne weightbridge facility	200.00	APB	04/25/1994	COL. OF. PESADORES Y MED. PUBLICOS	7.72	1,544
<b>EV.FERNANDEZ</b>							
81	Container depot site	65,200.00	APB	01/26/2000	ALMAC. DE DEPÓSITO MARTAINER S.A	6.99	455,748
82	Site for container stocking and repairs	68,006.00	APB	07/29/1998	PROGECO, SA	6.99	475,362
<b>PRÍncep D'ESPANYA</b>							
83	Multipurpose terminal:		APB	07/08/1998	TERMINAL CATALUNYA, SA		
	Yard	323,270.00				5.58	1,803,847
	Depot	26,145.00				10.21	266,940
	Workshop	779.00				15.98	12,448
	Office	510.00				59.97	30,585

No.	Designation	Area m2	Date of authorisation	Owner	Levy Euros/m2/year	Annual total (euros)
	Building facilities value	-			-	4,558
	Building paying-up	-			-	2,171
84	Laboratory: Laboratory	512.77	APB 10/28/1998	SGS ESPAÑOLA DE CONTROL, SA	23.61	12,106
	Offices	80.85			103.75	8,388
<b>TRAM VI</b>						
85	Site	23,671.00	PAB 12/21/1987	TRANS-CATALÀ, SL	6.99	165,460
86	Tankwashing area	12,740.00	OM 02/19/1973	LANDTRANS, SA	6.99	89,053 *
87	Site		APB 07/23/1997	DAMEX, SA		
	Yard	21,394.00			6.99	149,544
	Depot	7,785.00			23.61	185,929
	Office	368.00			59.97	22,069
	Facilities use	-			-	1,987
	Building paying-up	-			-	2,173
88	Site for container stocking and repairs	24,086.00	PAB 07/25/1988	BARCELONA CONTAINERS, SA	6.99	168,361 *
89	Salt depot	7,305.00	APB 09/30/1998	SAL COSTA, SA	6.99	51,062
90	care centre in operating	1,046.00	APB 10/25/2000	SDAD. ESTATAL DE ESTIBA Y	6.99	7,312
91	Site for workshop	4,836.00	OM 09/20/1977	SETRAM, SA	6.77	32,740
92	Quarantine and laboratory	3,606.40	OM 03/03/1972	GENERALITAT DE CATALUNYA	3.03	10,927
93	Multipurpose pipeline	2,991.00 m. l.	PAB 11/30/1981	PROCOMSA	2.42	7,238 *
94	Drinking water network (Sector 5)	3,764.00 m. l.	APB 05/27/1998	AGUAS DE BARCELONA, SA	-	-
<b>DÀRSENA SUD</b>						
95	Automobile Terminal : Zones A, B, C and D	291,380.00	PAB 11/27/1989	AUTOTERMINAL, SA	6.34	1,847,349
96	Automobile Terminal : Part of Zone B	50,000.00	PAB 09/28/1992	SETRAM, SA	6.62	331,000
<b>SUD ZONE</b>						
97	Industrial building in Carrer Y	12,904.00	PAB 10/08/1990	CONTENOSA	7.72	93,366
98	Site	10,000.00	PAB 02/27/1984	SIDERCOMES, SA	6.03	60,300
99	Site	10,000.00	PAB 07/30/1984	TRANSCONDAL CONTAINERS, SA	6.03	60,300
100	Site	10,000.00	PAB 07/30/1984	PROCOMSA	6.03	60,300
101	Service station	5,250.00	PAB 01/28/1991	AGIP ESPAÑA, SA		50,633



No.	Designation	Area m2	Date of authorisation	Owner	Levy Euros/m2/year	Annual total (euros)
102	Industrial building	4,926.00	PAB 01/28/1991	MINIS. HACIENDA (DUANA)	No canon	-
103	Industrial building	3,768.00	PAB 03/25/1991	SERVEIS RECIPE (TM2)	23.61	88,962
	Site	6,439.00			7.72	49,709
<b>INFLAMABLES</b>						
104	Tankwashing area	10,992.70	APB 06/25/1998	LAVADEROS DE CISTERNAS, SA	7.72	84,864
105	Site hydrocarbon and derivative warehouse	96,232.40	PAB 10/03/1988	DECAL ESPAÑA, SA	6.78	652,456
106	Chemical products terminal	32,231.00	OM 10/04/1973	TERMINALES QUÍMICOS, SA	6.78	218,526
107	Chemical products terminal	37,740.00	OM 06/15/1971	TERMINALES PORTUARIAS, SA	6.49	244,933
108	Chemical products terminal	56,129.00	OM 07/27/1971	TERMINALES PORTUARIAS, SA	6.56	368,206
109	Petrol products terminal	61,032.00	APB 02/15/1995	TERMINALES PORTUARIAS, SA	6.78	413,797
110	Site for liquid product warehouse	16,930.37	OM 09/17/1973	RECEPTORA DE LÍQUIDOS, SA	6.78	114,788
111	Site	139,641.70	OM 06/10/1977	ENAGAS, SA	2.32	323,969
	Submarine emissary	14,080.00			2.51	35,341
112	Wharf for methane tankers	2,000.00	PAB 05/25/1981	ENAGAS, SA	6.56	13,120
113	Water-intake pool Area	625.00	APB 05/31/2000	ENAGAS, SA	3.50	2,188
	Pipelines	679.00			2.51	1,704
114	Second option right	71,341.00	APB 01/26/2000	ENAGAS, SA	3.41	243,273
115	first option right	95,750.00	APB 01/01/2000	ENAGAS, SA	1.17	112,028
116	Water-intake pool Area	192.50	APB 05/31/2000	ENAGAS, SA	2.51	483
	Over water mirror	1,096.00			6.99	7,667
117	Site	9,921.00	PAB 05/27/1991	ECOLOGICA IBERICA Y MEDITERRANEA	7.72	76,590
118	Underwater gas pipeline	12,820.00 m. l.	APB 06/30/1999	ENAGAS, SA	0.13	1,667
119	Drinking water network (sector 4)	3,515.00 m. l.	APB 07/23/1997	AGUAS DE BARCELONA, SA	-	-
<b>PIPE TRACK</b>						
120	Pipes	1,130.00 m. l.	PAB 10/03/1989	DECAL ESPAÑA, SA	2.51	2,836

No.	Designation	Area m2		Date of authorisation	Owner	Levy Euros/m2/year	Annual total (euros)
121	Pipes	375.00 m.l.	APB	06/03/1999	DECAL ESPAÑA, SA	2.51	941
122	Pipes	1,346.00 m.l.	PAB	01/31/1989	TERMINALES QUÍMICOS, SA	2.51	3,378
123	Pipes	2,075.00 m.l.	JP	12/12/1974	TERMINALES PORTUARIAS, SA	2.42	5,022
124	Pipes	660.00 m.l.	JP	12/12/1974	TERMINALES PORTUARIAS, SA	2.42	1,597
125	Pipes	1,040.00 m.l.	PAB	01/01/1991	RECEPTORA DE LÍQUIDOS, SA	2.51	2,610
126	Pipes	300.00 m.l.	PAB	05/25/1981	ENAGAS, SA	2.42	726
127	Sections of gas pipeline	3,049.00 m.l.	PAB	04/27/1981	ENAGAS, SA	2.51	7,653 *
128	Gas pipeline	2,300.00 m.l.	APB	05/26/1999	ENAGAS, SA	2.51	5,773
129	Pipes	1,737.00 m.l.	APB	06/26/1996	GAS NATURAL SDG, SA	2.51	4,360 *
<b>NOU CONTRADIC</b>							
130	Terminal park area	123,000.00	APB	06/26/1996	MUELLES Y ESPACIOS PORTUARIOS	2.06	253,380
<b>Z.A.L. (1ª. FASE)</b>							
130	Block A.1	59,570.47	PAB	04/27/1992	CENTRO INTERMODAL LOGÍSTICA, SA	2.42	144,161
131	Block A.2	46,315.00	PAB	04/27/1992	CENTRO INTERMODAL LOGÍSTICA, SA	4.84	224,165
132	Block A.3	51,589.00	PAB	04/27/1992	CENTRO INTERMODAL LOGÍSTICA, SA	2.42	124,845
133	Block A.4	38,574.00	PAB	04/27/1992	CENTRO INTERMODAL LOGÍSTICA, SA	4.84	186,698
134	Block A.5	48,120.00	PAB	04/27/1992	CENTRO INTERMODAL LOGÍSTICA, SA	4.84	232,901
135	Block A.6 (Bar-restaurant)	1,329.00	APB	11/29/1993	CENTRO INTERMODAL LOGÍSTICA, SA	6.99	9,290
136	Block A.7	47,618.00	PAB	04/27/1992	CENTRO INTERMODAL LOGÍSTICA, SA	4.84	230,471
137	Block A.8	88,197.00	PAB	04/27/1992	CENTRO INTERMODAL LOGÍSTICA, SA	4.84	426,873
* Withdrawals along the year							

### 3.2. Authorised in 2001

No.	Name	Date of authorisation	Owner	Levy euros/m2/year	Amount annual (Euros)
1	Substitution of Ms. Blanca Herreros Zapater in the rights and obligations of the concession granted to Mr. José Rovira Solé	APE31-Jan-01	BLANCA HERREROS ZAPATER	9.50	469.76
2	Enlargement of the concession by 3.7 has	APE 1-Feb.-01	MEPSA (MUELLES Y ESPACIOS PORTUARIOS)	2.06	76,220.00
3	Concession on an existing gas pipeline 3,049 m long	APE25-Apr.-01	ENAGAS	2.51	7,622.50
4	Transmission in favour of the company Gas Natural SDG, SA of the concession on an Enagas gas pipeline	APE25-Apr.-01	GAS NATURAL	2.51	0.00
5	Enlargement of the current concession by 1,500 m <sup>2</sup> , destined to an industrial cold storage facility	APE 30-May-01	FRIGOSCANDIA	9.14	0.00
6	Granting of a new concession on the same facilities (OTP Building)	APE 30-May-01	GERÈNCIA URBANÍSTICA PORT 2000	0.00	0.00
7	Service Center (sup. 42,973 m <sup>2</sup> )	APE 15-June-01	CILSA	5.01	215,294.73
8	Enlargement of the concession by 9.0 has	APE 18-Jul.01	MEPSA (MUELLES Y ESPACIOS PORTUARIOS)	2.06	185,400.00
9	Granting of a concession of 2,665 m <sup>2</sup>	APE 18-Jul.01	REBARSA-SAR	7.93	21,133.45
10	Granting of a ZAL framework concession 1st and 2nd phase	APE26-Sept.-01	CILSA	Fixed levy 4,84	0.00
				Variable levy 10%	0.00
11	Granting of a concession for the occupation of a plot of 255 m <sup>2</sup> , destined for the construction of an office building	APE31-Oct.-01	ESTIBARNA	7.72	0.00
12	Granting of a concession to Logística de Tierra, SL of 15,460 m <sup>2</sup>	APE31-Oct.-01	LOGÍSTICA DE TIERRA	EX 6.99	8,293.64
				ED 23.61	5,399.90
13	Merger by absorption of the company Terminales Portuarias S.A. by Poincare Holding Fracesa de Puertos, S.L.	APEAPB 28-Nov.-01	TEPSA	6.78	0.00
14	Enlargement of 6.3 has on the Inflammables Wharf, for the fitting out of the Nou Contradic wharf and the construction of conduits	APE 19-Dec.-01	ENAGAS, SA	6.88	0.00
15	Enlargement of a loading and passenger terminal of 2.7 has	APE31-Oct.-01	CÍA TRASMEDITERRANEA	9.12	0.00



## **4 Traffic statistics**

This chapter provides an extensive description of traffic in the Port of Barcelona during 2001.

These statistics show the movement of passengers, the number of vessels entering the Port – classified by size, flag and the type of cargo traffic. Point 4.7 contains specific information on containerised traffic and point 4.8 provides a summary of traffic in the Port of Barcelona as a whole.

# Traffic statistics

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#### 4. Traffic statistics

##### 4.1. Passenger traffic

###### 4.1.1. Passengers

###### 4.1.1.1. Number of passengers

	Domestic traffic National	Domestic traffic Community	Foreign	Total domestic and foreign	Bay or local
Entries	339,019	40,779	169,596	549,394	0
Departures	367,378	37,893	173,042	578,313	0
<b>Entries+Departures</b>	<b>706,397</b>	<b>78,672</b>	<b>342,638</b>	<b>1,127,707</b>	<b>187,346</b>
In transit	0	5,191	310,167	315,358	0
<b>TOTAL</b>	<b>706,397</b>	<b>83,863</b>	<b>652,805</b>	<b>1,443,065</b>	<b>187,346</b>

###### 4.1.1.2. Domestic passenger traffic. Ports of origin and destination, number

Port of origin or destination	Entries	Departures	Total
Palma de Mallorca	200,802	225,583	426,385
Ibiza + Mahón + rest of domestic	138,217	141,795	280,012
<b>Total domestic</b>	<b>339,019</b>	<b>367,378</b>	<b>706,397</b>
Foreign	40,779	37,893	78,672
<b>Total foreign</b>	<b>40,779</b>	<b>37,893</b>	<b>78,672</b>
<b>TOTAL</b>	<b>379,798</b>	<b>405,271</b>	<b>785,069</b>

###### 4.1.2. Cars with passengers. Number of units

	Domestic	Foreign	Total
Entries	75,024	7,882	82,906
Departures	79,590	6,309	85,899
<b>TOTAL</b>	<b>154,614</b>	<b>14,191</b>	<b>168,805</b>

## 4.2. Ships

### 4.2.1. Merchant vessels entering the port during the year

#### 4.2.1.1. Distribution by type of navigation and tonnage

Type of navigation	Total	Up to 3000 G.T.	From 3.001 to 5.000 G.T.	From 5.001 to 10.000 G.T.	From 10.001 to 25.000 G.T.	From 25.001 to 50.000 G.T.	More than 50.000 G.T.
<b>SPANISH</b>							
<b>Domestic</b>							
Number	2,405	122	334	878	866	205	0
G.T	23,442,357	177,401	1,241,809	6,114,770	10,390,597	5,517,780	0
<b>Foreign</b>							
Number	198	5	34	59	100		0
G.T	1,643,144	10,663	137,984	348,241	1,146,256		0
<b>TOTAL SPANISH</b>							
Number	<b>2,603</b>	<b>127</b>	<b>368</b>	<b>937</b>	<b>966</b>	<b>205</b>	<b>0</b>
G.T	<b>25,085,501</b>	<b>188,064</b>	<b>1,379,793</b>	<b>6,463,011</b>	<b>11,536,853</b>	<b>5,517,780</b>	<b>0</b>
<b>FOREIGN</b>							
<b>Domestic</b>							
Number	250	36	50	41	6	117	0
G.T	3,649,222	70,750	187,244	333,220	108,906	2,949,102	0
<b>Foreign</b>							
Number	5,798	813	679	1,191	1,530	1,315	270
G.T	103,386,116	1,775,944	2,713,129	9,180,634	25,932,866	46,784,525	16,999,018
<b>TOTAL FOREIGN</b>							
Number	<b>6,048</b>	<b>849</b>	<b>729</b>	<b>1,232</b>	<b>1,536</b>	<b>1,432</b>	<b>270</b>
G.T	<b>107,035,338</b>	<b>1,846,694</b>	<b>2,900,373</b>	<b>9,513,854</b>	<b>26,041,772</b>	<b>49,733,627</b>	<b>16,999,018</b>
<b>TOTALS</b>							
<b>Domestic</b>							
Number	2,655	158	384	919	872	322	0
G.T.	27,091,579	248,151	1,429,053	6,447,990	10,499,503	8,466,882	0
<b>Foreign</b>							
Number	5,996	818	713	1,250	1,630	1,315	270
G.T.	105,029,260	1,786,607	2,851,113	9,528,875	27,079,122	46,784,525	16,999,018
<b>GENERAL TOTAL</b>							
Number	<b>8,651</b>	<b>976</b>	<b>1,097</b>	<b>2,169</b>	<b>2,502</b>	<b>1,637</b>	<b>270</b>
G.T.	<b>132,120,839</b>	<b>2,034,758</b>	<b>4,280,166</b>	<b>15,976,865</b>	<b>37,578,625</b>	<b>55,251,407</b>	<b>16,999,018</b>
<b>Percentage of total %</b>							
Number	100.00	11.28	12.68	25.07	28.92	18.92	3.12
G.T.	100.00	1.54	3.24	12.09	41.82	41.82	12.87

Does not include ships entering for breaking up or new ships launched during the year



#### 4.2.1.2. Distribution by flags

		Up to 3.000 G.T.	From 3.001 to 5.000 G.T.	From 5.001 to 10.000 G.T.	From 10.001 to 15.000 G.T.	From 15.001 to 25.000 G.T.	From 25.001 to 50.000 G.T.	More than 50.000 G.T.	Total
GERMANY	Calls	71	36	41	14	51	66		279
	G.T.	150,738	137,216	286,590	159,467	910,460	2,203,552		3,848,023
ANTARCTICA	Calls			1					1
	G.T.			5,222					5,222
ANTIGUA	Calls	171	87	92	43	57	9		459
AND BARBUDA	G.T.	390,797	334,776	653,149	526,743	980,726	266,699		3,152,890
NETHERLANDS	Calls	6	6	7		7			26
ANTILLES	G.T.	14,059	27,632	61,131		154,315			257,137
ALGERIA	Calls	3	2	51			12		68
	G.T.	2,391	8,048	322,118			364,152		696,709
ARGENTINA	Calls				1				1
	G.T.				10,713				10,713
AUSTRIA	Calls	10							10
	G.T.	25,447							25,447
BAHAMAS	Calls	6	24	31	3	57	90	24	235
	G.T.	11,723	96,973	208,155	40,857	1,199,657	3,089,726	1,343,529	5,990,620
BAHREIN	Calls					1			1
	G.T.					23,306			23,306
BARBADOS	Calls	4				1			5
	G.T.	10,428				20,837			31,265
BELIZE	Calls		1						1
	G.T.		4,782						4,782
BERMUDAS	Calls				1	8		6	15
	G.T.				12,500	130,248		653,190	795,938
BULGARIA	Calls	3		50		1	1		55
	G.T.	6,123		441,852		16,150	30,596		494,721
CAMBODIA	Calls	1	1	3					5
	G.T.	2,111	4,178	25,674					31,963
CAYMAN ISLANDS	Calls		1	2	4	2	1		10
	G.T.		3,134	19,264	55,637	41,643	26,035		145,713
SOUTH KOREA	Calls					1	5		6
	G.T.					23,312	262,110		285,422
CHINA	Calls			8	10	4	11		33
	G.T.			60,712	136,571	89,794	491,289		778,366
CYPRUS	Calls	32	24	44	28	30	26		184
	G.T.	73,669	95,197	385,217	376,518	607,611	906,507		2,444,719
DENMARK	Calls	38	1	21	32	44			136
	G.T.	59,770	4,366	176,441	383,120	885,370			1,509,067
EGYPT	Calls		5	16	13				34
	G.T.		23,440	137,610	153,037				314,087
SPAIN	Calls	127	368	937	910	56	205		2,603
	G.T.	188,064	1,379,793	6,463,011	10,545,082	991,771	5,517,780		25,085,501
ESTONIA	Calls	1							1
	G.T.	1,160							1,160
ETHIOPIA	Calls				7				7
	G.T.				81,520				81,520
PHILLIPINES	Calls				1		3		4
	G.T.				11,193		127,666		138,859

		Up to 3.000 G.T.	From 3.001 to 5.000 G.T.	From 5.001 to 10.000 G.T.	From 10.001 to 15.000 G.T.	From 15.001 to 25.000 G.T.	From 25.001 to 50.000 G.T.	More than 50.000 G.T.	Total
FINLAND	Calls		1						1
	G.T.		4,295						4,295
FRANCE	Calls	5	10	25	8	10	2		60
	G.T.	8,930	36,608	169,948	109,974	170,533	73,280		569,273
GEORGIA	Calls	1	2						3
	G.T.	1,594	7,012						8,606
GIBRALTAR	Calls	2	2	2					6
	G.T.	4,755	6,488	16,029					27,272
GREECE	Calls	9		22	35	16	17	1	100
	G.T.	20,853		153,912	403,145	293,142	635,642	53,829	1,560,523
EQUATORIAL	Calls	1							1
GUINEA	G.T.	1,741							1,741
HONDURAS	Calls	7							7
	G.T.	10,808							10,808
HONG KONG	Calls					4	10		14
	G.T.					95,423	321,631		417,054
INDIA	Calls					24			24
	G.T.					527,693			527,693
IRELAND	Calls		3	2					5
	G.T.		13,673	17,258					30,931
MARSHALL ISLANDS	Calls				4	16	6		26
	G.T.				45,887	358,474	175,445		579,806
WALLIS AND FUTUNA ISLANDS	Calls						1		1
	G.T.						47,276		47,276
ISRAEL	Calls						103		103
	G.T.						4,068,887		4,068,887
ITALY	Calls	52	55	35	56	153	403	60	814
	G.T.	108,103	206,188	275,236	741,068	2,510,763	12,856,981	3,904,872	20,603,211
JAPAN	Calls						25	1	26
	G.T.						1,075,317	50,867	1,126,184
LEBANON	Calls	1		8					9
	G.T.	2,352		79,992					82,344
LIBERIA	Calls	11	42	6	31	152	198	28	468
	G.T.	28,478	156,561	46,084	404,353	2,821,821	6,333,281	2,173,107	11,963,685
LIBIA	Calls			9					9
	G.T.			56,373					56,373
LITHUANIA	Calls		1	1					2
	G.T.		3,450	9,965					13,415
LUXEMBOURG	Calls		11	1		8			20
	G.T.		48,675	5,677		134,400			188,752
MALAYSIA	Calls			2		9	12	1	24
	G.T.			18,760		184,806	474,374	53,379	731,319
MALTA	Calls	32	101	129	72	138	30	1	503
	G.T.	71,396	424,318	859,180	884,429	2,425,549	901,059	79,918	5,645,849
MOROCCO	Calls	5	101	34	2	11			153
	G.T.	13,255	397,767	215,164	23,232	183,787			833,205
NORWAY	Calls	3	12	21	13	23	25	21	118
	G.T.	7,051	50,536	170,744	156,088	460,535	963,980	1,409,318	3,218,252
NETHERLANDS	Calls	145	62	156	6	3	25	20	417
	G.T.	330,444	250,682	1,023,379	71,364	61,171	1,154,400	1,148,788	4,040,228

		Up to 3.000 G.T.	From 3.001 to 5.000 G.T.	From 5.001 to 10.000 G.T.	From 10.001 to 15.000 G.T.	From 15.001 to 25.000 G.T.	From 25.001 to 50.000 G.T.	More than 50.000 G.T.	Total
PANAMA	Calls	54	11	64	12	153	252	66	612
	G.T.	124,984	47,589	493,287	158,201	2,970,506	8,851,421	3,700,733	16,346,721
POLAND	Calls					1			1
	G.T.					16,699			16,699
PORTUGAL	Calls	45	59	55					159
	G.T.	97,065	222,821	429,935					749,821
UNITED KINGDOM	Calls	4	5	150	1	50	5	13	228
	G.T.	11,494	20,467	1,462,940	13,753	954,314	201,034	894,189	3,558,191
ROMANIA	Calls			5	1	1			7
	G.T.			45,982	10,949	16,174			73,105
RUSSIA	Calls	14	7	2	2				25
	G.T.	31,765	25,711	11,765	21,898				91,139
SAN VICENT AND THE GRANADINAS	Calls	34	15	28		28	5		110
	G.T.	68,459	63,345	238,690		592,869	161,077		1,124,440
SAO TOME ET PRINCIPE	Calls	4	1	1					6
	G.T.	10,244	4,909	9,489					24,642
SINGAPUR	Calls			6		2	64	6	78
	G.T.			36,491		38,222	2,888,822	345,240	3,308,775
SYRIA	Calls		1	2	2				5
	G.T.		3,127	10,612	23,146				36,885
SWEDEN	Calls			8		2		13	23
	G.T.			73,911		37,112		708,507	819,530
SWITZERLAND	Calls	4		2					6
	G.T.	11,996		10,802					22,798
TAIWAN	Calls						24		24
	G.T.						862,419		862,419
TONGA	Calls	1							1
	G.T.	1,508							1,508
TUNISIA	Calls					41	1		42
	G.T.					734,187	31,000		765,187
TURKEY	Calls	55	34	89	10	6	1		195
	G.T.	103,650	145,892	789,114	103,276	117,769	30,162		1,289,863
TUVALU	Calls	1							1
	G.T.	2,345							2,345
UKRAINE	Calls	13	5		6	3			27
	G.T.	25,008	20,517		75,414	58,341			179,280
VANUATU	Calls						4	4	8
	G.T.						119,917	217,442	337,359
<b>TOTAL</b>	<b>Calls</b>	<b>976</b>	<b>1,097</b>	<b>2,169</b>	<b>1,328</b>	<b>1,174</b>	<b>1,637</b>	<b>270</b>	<b>8,651</b>
	<b>G.T.</b>	<b>2,034,758</b>	<b>4,280,166</b>	<b>15,976,865</b>	<b>15,739,135</b>	<b>21,839,490</b>	<b>55,251,407</b>	<b>16,999,018</b>	<b>132,120,839</b>

#### 4.2.1.3. Distribution by type of vessel

Type of vessel		Spanish	Foreign	Totals
CAR-CARRIER	Calls	36	536	572
	G.T.	198,751	13,826,190	14,024,941
GENERAL CARGO (LO-LO)	Calls	323	1,273	1,596
	G.T.	1,608,867	6,133,243	7,742,110
REFRIGERATORS	Calls		63	63
	G.T.		711,713	711,713
BULK CARRIERS	Calls	28	155	183
	G.T.	76,000	2,860,867	2,936,867
PASSENGERS ONLY	Calls		547	547
	G.T.		17,684,519	17,684,519
TANKERS	Calls	38	64	102
	G.T.	500,880	1,562,796	2,063,676
CONTAINER CARRIERS	Calls	258	1,675	1,933
	G.T.	2,091,837	34,148,245	36,240,082
RO-RO (Cargo and Passengers)	Calls	449	546	995
	G.T.	3,832,864	8,231,560	12,064,424
TANKERS	Calls	81	801	882
	G.T.	614,699	11,839,437	12,454,136
TRANSHIPERS	Calls	1,390	388	1,778
	G.T.	16,161,603	10,036,768	26,198,371
<b>TOTALS</b>	<b>Calls</b>	<b>2,603</b>	<b>6,048</b>	<b>8,651</b>
	<b>G.T.</b>	<b>25,085,501</b>	<b>107,035,338</b>	<b>132,120,839</b>

#### 4.2.2. Warships entering during the year

Vessels	Spanish	Foreign	Total
Number	10	56	66
G.T.	11,289	273,043	284,332

#### 4.2.3. Fishing vessels

Vessels		Total	Deep sea	Coastal
Registered during the year to 31 December	Number	1	0	1
	G.T.	30	0	30
Based in the port	Number	100	0	100
	G.T.	2,200	0	2,200

#### 4.2.4. Pleasure craft

Vessels		Total
Registered during the year to 31 December	Number	744
	G.T.	3,720
Based in the port	Number	635
	G.T.	11,430

### 4.3. Goods

#### 4.3.1. Goods by wharves and service berths

##### 4.3.1.1. Unloaded by wharves and service berths

Goods	Total		Domestic (t)	Foreign (t)
	Tonnes	%		
<b>Total unloaded</b>	8,555,021	100.00	1,143,539	7,411,482
<b>BULK LIQUIDS</b>				
BULK COCONUT OIL (COPRA), PALMIST	0	0.00	0	0
BULK PALM OIL	0	0.00	0	0
ANHYDRIC ACID	0	0.00	0	0
SULPHURIC ACID	0	0.00	0	0
POLYCARBOXYLIC ACIDS	0	0.00	0	0
PEROXIDE ALCOHOL	0	0.00	0	0
ALKILBENZENE	0	0.00	0	0
NITRILE FUNCTION COMPOUNDS	0	0.00	0	0
FUEL-OIL	0	0.00	0	0
NATURAL GAS	0	0.00	0	0
DIESEL OIL	0	0.00	0	0
PETROL AND KEROSENE	0	0.00	0	0
LUBRICANTS	0	0.00	0	0
MOLASSES WITH SPECIAL FACILITY	0	0.00	0	0
METHANOL, PROPANOL, BUTANOL	0	0.00	0	0
AGGLUTINATING CHEMICAL PRODUCTS	0	0.00	0	0
CAUSTIC SODA	0	0.00	0	0
XYLENE, TOLUENE, BENZENE, STYRENE	0	0.00	0	0
OTHER BULK LIQUIDS	0	0.00	0	0
<b>TOTAL</b>	0	0.00	0	0
<b>BULK SOLID FOR SPECIAL FACILITY</b>				
CARBONATE OF AMMONIUM, POTASSIUM, CALCIUM, BARIUM, LEAD	0	0.00	0	0
BULK CEMENT AND CLINKER	0	0.00	0	0
POTASSIUM CHLORIDE	0	0.00	0	0
SOYA BEAN	0	0.00	0	0
DRY PULSES WITHOUT POD	0	0.00	0	0
MAIZE WITH FACILITY	0	0.00	0	0
IRON ORER, BURNT PYRITES	0	0.00	0	0
PULPS, OILCAKES AND MEALS	0	0.00	0	0
WHEAT	0	0.00	0	0
OTHER BULKS PER FACILITY	0	0.00	0	0
<b>TOTAL</b>	0	0.00	0	0

Goods	Total		Domestic (t)	Foreign (t)
	Tonnes	%		
Total unloaded	8,555,021	100.00	1,143,539	7,411,482

#### BULK SOLID WITHOUT SPECIAL FACILITY

BULK FERTILISERS USING ANTIPOLLUTION MEANS	0	0.00		
NATURAL AND ARTIFICIAL NITROGENATED FERTIL	13,505	0.16		13,505
CLAYS	13,745	0.16		13,745
ROUGH KAOLIN AND CYANITE	13,475	0.16		13,475
MINERAL SOFT COALS	30,319	0.35		30,319
PETROLIUM COKE	147,016	1.72		147,016
SCRAP IRON	42,663	0.50		42,663
ALUMINIUM ORES. BAUXITE. ALUMIUN HYDRATE	32,444	0.38		32,444
PERLITE, VERMICULITE, SEPIOLITE	44,340	0.52		44,340
COMMON SALT	28,268	0.33	28,268	
GROUND GLASS	28,697	0.34		28,697
OTHERS	18,698	0.22	9,932	8,766
<b>TOTAL</b>	<b>413,170</b>	<b>4.83</b>	<b>38,200</b>	<b>374,970</b>

#### GENERAL CARGO

BOTTLED OLIVE OIL AND FRACTION THEREOF	21,247	0.25	110	21,136
OLIVES, NON-FROZEN PREPARED VEGETABLES	28,439	0.33	26	28,413
LAMINATED STEEL	617,626	7.22		617,626
POLICARBOXILIC ACIDS	90,378	1.06	87	90,292
ORANGE BLOSSOM WATER	7,170	0.08	4,769	2,402
MINERAL WATER	25,816	0.30	38	25,777
NON-DRIED ALFALFA	92	0.00	20	72
AIR CONDITIONERS	49,296	0.58	1	49,295
TILES	109,929	1.28	267	109,663
COFFEE	325,283	3.80	1	325,282
PLASTIC CAPSULES AND COVERS	12,643	0.15	3,726	8,918
FROZEN, REFRIGERATED AND FRESH MEAT OFFCUTS	38,602	0.45	299	38,303
PAPER AND CARDBOARDS	43,818	0.51	158	43,659
CEMENT IN SACKS	3,167	0.04	19	3,148
MALT BEER, BOTTLED	44,089	0.52	529	43,559
CARS	200,229	2.34	17,701	182,528
ANIMAL FEEDS (TINNED)	5,379	0.06	67	5,312
DETERGENTS	1,786	0.02		1,786
PERSONAL BELONGINGS	207,600	2.43	10,600	197,000
NON-ALLOYED IRON AND STEEL, INGOTS	116,409	1.36	19	116,391
COMMON SOAP	7,137	0.08	234	6,903

Goods	Total		Domestic (t)	Foreign (t)
	Tonnes	%		
<b>Total unloaded</b>	<b>8,555,021</b>	<b>100.00</b>	<b>1,143,539</b>	<b>7,411,482</b>
OTHER FURNITURE AND THEIR PARTS	44,896	0.52	700	44,195
PLASTIC MANUFACTURED GOODS	52,385	0.61	37	52,348
MACHINERY, NOT SPECIFIED	51,914	0.61	728	51,186
MARBLE	83,105	0.97	25	83,080
PAPER IN ROLLS AND SHEETS FOR PRINTING	38,979	0.46		38,979
USED PAPER	64,047	0.75	21,783	42,264
PAPER AND STUCCOED CARDBOARDS	1,930	0.02	10	1,920
CAR PARTS AND ACCESORIES	73,267	0.86	76	73,191
MECHANICAL WOOD PASTE	36,191	0.42		36,191
FROZEN FISH	59,701	0.70	1,798	57,903
PLASTIC PLATES, SHEETS, SELF-ADHESIVE FILMS	48,823	0.57	1	48,822
ETHYLENE POLYMERS	108,672	1.27	102	108,570
FOOD PREPARATIONS	3,472	0.04	1,576	1,896
CHEMICAL PRODUCTS- AGGLUTINANTING PREPARATIONS	47,152	0.55	4	47,148
ACCELERATING CHEMICAL PRODUCTS	69,028	0.81		69,028
DIOTOMATIOUS CHEMICAL PRODUCTS	55,508	0.65		55,508
ORGANIC-INORGANIC CHEMICAL PRODUCTS	40,780	0.48	1	40,779
RESINS	37,476	0.44		37,476
BOTTLED GRAPE WINE	52,026	0.61	479	51,547
MISCELANEOUS GOODS	5,216,363	60.97	1,039,345	4,177,018
<b>TOTAL</b>	<b>8,141,851</b>	<b>95.17</b>	<b>1,105,339</b>	<b>7,036,512</b>



#### 4.3.1.2. Loaded on service wharves and berths

Cargo	Total		Domestic (t)	Foreign (t)
	Tonnes	%		
Total loaded	10,142,186	100.00	3,271,954	6,870,232
<b>BULK LIQUIDS</b>				
BULK COCONUT OIL (COPRA), PALMIST	0	0.00		
BULK PALM OIL	0	0.00		
ANHYDRIC ACID	0	0.00		
SULPHURIC ACID	0	0.00		
POLYCARBOXYLIC ACIDS	0	0.00		
PEROXIDE ALCOHOL	0	0.00		
ALKILBENZENE	0	0.00		
NITRILE FUNCTION COMPOUNDS	0	0.00		
FUEL-OIL	0	0.00		
NATURAL GAS	0	0.00		
DIESEL OIL	0	0.00		
PETROL AND KEROSENE	0	0.00		
LUBRICANTS	0	0.00		
MOLASSES WITH SPECIAL FACILITY	0	0.00		
METHANOL, PROPANOL, BUTANOL	0	0.00		
AGGLUTINATING CHEMICAL PRODUCTS	0	0.00		
CAUSTIC SODA	0	0.00		
XYLENE, TOLUENE, BENZENE, STYRENE	0	0.00		
OTHER BULK LIQUIDS	0	0.00		
<b>TOTAL</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0</b>
<b>BULK SOLID FOR SPECIAL FACILITY</b>				
CARBONATE OF AMMONIUM, POTASSIUM, CALCIUM, BARIUM, LEAD	0	0.00		
BULK CEMENT AND CLINKER	0	0.00		
POTASSIUM CHLORIDE	0	0.00		
SOYA BEAN	0	0.00		
DRY PULSES WITHOUT POD	0	0.00		
MAIZE WITH FACILITY	0	0.00		
IRON ORER, BURNT PYRITES	0	0.00		
PULPS, OILCAKES AND MEALS	0	0.00		

Cargo	Total		Domestic (t)	Foreign (t)
	Tonnes	%		
<b>Total loaded</b>	<b>10,142,186</b>	<b>100.00</b>	<b>3,271,954</b>	<b>6,870,232</b>
WHEAT	0	0.00		
OTHER BULKS PER FACILITY	0	0.00		
<b>TOTAL</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0</b>
<b>BULK SOLID WITHOUT SPECIAL FACILITY</b>				
BULK FERTILISERS USING ANTIPOLLUTION MEANS	121,814	1.20	11,588	110,226
NATURAL AND ARTIFICIAL NITROGENATED FERTILIZIERS	0	0.00		
CLAYS	0	0.00		
ROUGH KAOLIN AND CYANITE	0	0.00		
MINERAL SOFT COALS	0	0.00		
PETROLIUM COKE	0	0.00		
SCRAP IRON	0	0.00		
ALUMINIUM ORES. BAUXITE. ALUMIUN HYDRATE	0	0.00		
PERLITE, VERMICULITE, SEPIOLITE	0	0.00		
COMMON SALT	24,301	0.24	24,301	
GROUND GLASS	0	0.00		
OTHERS	1,650	0.02		1,650
<b>TOTAL</b>	<b>146,115</b>	<b>1.44</b>	<b>35,889</b>	<b>111,876</b>
<b>GENERAL CARGO</b>				
BOTTLED OLIVE OIL AND FRACTION THEREOF	77,388	0.76	881	76,508
OLIVES, NON-FROZEN PREPARED VEGETABLES	40,610	0.40	1,085	39,524
LAMINATED STEEL	3,598	0.04		3,598
POLICARBOXILIC ACIDS	5,542	0.05	2	5,540
ORANGE BLOSSOM WATER	53,079	0.52	45,727	7,352
MINERAL WATER	150,686	1.49	122,180	28,507
NON-DRIED ALFALFA	80,272	0.79	47,267	33,005
AIR CONDITIONERS	10,955	0.11	1,421	9,534
TILES	284,375	2.80	51,300	233,075
COFFEE	123,511	1.22	2,025	121,486
PLASTIC CAPSULES AND COVERS	44,928	0.44	4,221	40,708
FROZEN, REFRIGERATED AND FRESH MEAT OFFCUTS	45,661	0.45	53	45,608
PAPER AND CARDBOARDS	72,787	0.72	2,935	69,853
CEMENT IN SACKS	90,586	0.89	81,513	9,073

Cargo	Total		Domestic (t)	Foreign (t)
	Tonnes	%		
<b>Total loaded</b>	<b>10,142,186</b>	<b>100.00</b>	<b>3,271,954</b>	<b>6,870,232</b>
MALT BEER, BOTTLED	100,145	0.99	87,008	13,137
CARS	510,346	5.03	97,465	412,882
ANIMAL FEEDS (TINNED)	53,899	0.53	20,562	33,337
DETERGENTS	118,748	1.17	33,460	85,288
PERSONAL BELONGINGS	438,483	4.32	365,026	73,457
NON-ALLOYED IRON AND STEEL, INGOTS	33,538	0.33	17,801	15,737
COMMON SOAP	60,268	0.59	46,165	14,103
OTHER FURNITURE AND THEIR PARTS	74,893	0.74	34,258	40,635
PLASTIC MANUFACTURED GOODS	45,511	0.45	9,433	36,079
MACHINERY, NOT SPECIFIED	34,127	0.34	4,368	29,759
MARBLE	102,201	1.01	4,108	98,093
PAPER IN ROLLS AND SHEETS FOR PRINTING	15,481	0.15	1,368	14,113
USED PAPER	24,660	0.24	2,199	22,461
PAPER AND STUCCOED CARDBOARDS	99,662	0.98	8,181	91,481
CAR PARTS AND ACCESORIES	111,447	1.10	4,540	106,907
MECHANICAL WOOD PASTE	22,414	0.22		22,414
FROZEN FISH	33,232	0.33	537	32,695
PLASTIC PLATES, SHEETS, SELF-ADHESIVE FILMS	46,271	0.46	260	46,011
ETHYLENE POLYMERS	114,120	1.13	3,639	110,481
FOOD PREPARATIONS	315,585	3.11	294,932	20,653
CHEMICAL PRODUCTS- AGGLUTINANTING PREPARATIONS	95,677	0.94	9,888	85,789
ACCELERATING CHEMICAL PRODUCTS	64,030	0.63	189	63,841
DIOTOMATIOUS CHEMICAL PRODUCTS	54,346	0.54	732	53,614
ORGANIC-INORGANIC CHEMICAL PRODUCTS	23,287	0.23	49	23,238
RESINS	36,134	0.36	289	35,845
BOTTLED GRAPE WINE	173,971	1.72	41,335	132,636
MISCELANEOUS GOODS	6,107,968	60.22	1,787,667	4,320,301
<b>TOTAL</b>	<b>9,994,421</b>	<b>98.54</b>	<b>3,236,065</b>	<b>6,758,356</b>

#### 4.3.1.3. Total unloaded and loaded on service wharves and berths

Goods	Total		Domestic (t)	Foreign (t)
	Tonnes	%		
Total unloaded and loaded	18,697,207	100.00	4,415,493	14,281,714
<b>BULK LIQUIDS</b>				
BULK COCONUT OIL (COPRA), PALMIST	0	0.00	0	0
BULK PALM OIL	0	0.00	0	0
ANHYDRIC ACID	0	0.00	0	0
SULPHURIC ACID	0	0.00	0	0
POLYCARBOXYLIC ACIDS	0	0.00	0	0
PEROXIDE ALCOHOL	0	0.00	0	0
ALKILBENZENE	0	0.00	0	0
NITRILE FUNCTION COMPOUNDS	0	0.00	0	0
FUEL-OIL	0	0.00	0	0
NATURAL GAS	0	0.00	0	0
DIESEL OIL	0	0.00	0	0
PETROL AND KEROSENE	0	0.00	0	0
LUBRICANTS	0	0.00	0	0
MOLASSES WITH SPECIAL FACILITY	0	0.00	0	0
METHANOL, PROPANOL, BUTANOL	0	0.00	0	0
AGGLUTINATING CHEMICAL PRODUCTS	0	0.00	0	0
CAUSTIC SODA	0	0.00	0	0
XYLENE, TOLUENE, BENZENE, STYRENE	0	0.00	0	0
OTHER BULK LIQUIDS	0	0.00	0	0
<b>TOTAL</b>	0	0.00	0	0
<b>BULK SOLID FOR SPECIAL FACILITY</b>				
CARBONATE OF AMMONIUM, POTASSIUM, CALCIUM, BARIUM, LEAD	0	0.00	0	0
BULK CEMENT AND CLINKER	0	0.00	0	0
POTASSIUM CHLORIDE	0	0.00	0	0
SOYA BEAN	0	0.00	0	0
DRY PULSES WITHOUT POD	0	0.00	0	0
MAIZE WITH FACILITY	0	0.00	0	0
IRON ORER, BURNT PYRITES	0	0.00	0	0
PULPS, OILCAKES AND MEALS	0	0.00	0	0
WHEAT	0	0.00	0	0
OTHER BULKS PER FACILITY	0	0.00	0	0
<b>TOTAL</b>	0	0.00	0	0

Goods	Total		Domestic (t)	Foreign (t)
	Tonnes	%		
Total unloaded and loaded	18,697,207	100.00	4,415,493	14,281,714
<b>BULK SOLID WITHOUT SPECIAL FACILITY</b>				
BULK FERTILISERS USING ANTIPOLLUTION MEANS	121,814	0.65	11,588	110,226
NATURAL AND ARTIFICIAL NITROGENATED FERTILIZIERS	13,505	0.07	0	13,505
CLAYS	13,745	0.07	0	13,745
ROUGH KAOLIN AND CYANITE	13,475	0.07	0	13,475
MINERAL SOFT COALS	30,319	0.16	0	30,319
PETROLIUM COKE	147,016	0.79	0	147,016
SCRAP IRON	42,663	0.23	0	42,663
ALUMINIUM ORES. BAUXITE. ALUMIUN HYDRATE	32,444	0.17	0	32,444
PERLITE, VERMICULITE, SEPIOLITE	44,340	0.24	0	44,340
COMMON SALT	52,568	0.28	52,568	0
GROUND GLASS	28,697	0.15	0	28,697
OTHERS	20,348	0.11	9,932	10,416
<b>TOTAL</b>	<b>560,935</b>	<b>3.00</b>	<b>74,089</b>	<b>486,846</b>
<b>GENERAL CARGO</b>				
BOTTLED OLIVE OIL AND FRACTION THEREOF	98,635	0.53	991	97,644
OLIVES, NON-FROZEN PREPARED VEGETABLES	69,048	0.37	1,111	67,937
LAMINATED STEEL	621,224	3.32	0	621,224
POLICARBOXILIC ACIDS	95,921	0.51	89	95,832
ORANGE BLOSSOM WATER	60,249	0.32	50,495	9,754
MINERAL WATER	176,502	0.94	122,218	54,284
NON-DRIED ALFALFA	80,364	0.43	47,287	33,077
AIR CONDITIONERS	60,251	0.32	1,422	58,829
TILES	394,304	2.11	51,566	342,738
COFFEE	448,794	2.40	2,026	446,768
PLASTIC CAPSULES AND COVERS	57,572	0.31	7,946	49,625
FROZEN, REFRIGERATED AND FRESH MEAT OFFCUTS	84,263	0.45	352	83,911
PAPER AND CARDBOARDS	116,605	0.62	3,093	113,512
CEMENT IN SACKS	93,753	0.50	81,532	12,221
MALT BEER, BOTTLED	144,233	0.77	87,537	56,696

Goods	Total		Domestic (t)	Foreign (t)
	Tonnes	%		
Total unloaded and loaded	18,697,207	100.00	4,415,493	14,281,714
CARS	710,575	3.80	115,166	595,409
ANIMAL FEEDS (TINNED)	59,278	0.32	20,629	38,649
DETERGENTS	120,534	0.64	33,460	87,074
PERSONAL BELONGINGS	646,083	3.46	375,626	270,457
NON-ALLOYED IRON AND STEEL, INGOTS	149,947	0.80	17,820	132,128
COMMON SOAP	67,405	0.36	46,399	21,006
OTHER FURNITURE AND THEIR PARTS	119,788	0.64	34,958	84,830
PLASTIC MANUFACTURED GOODS	97,897	0.52	9,470	88,426
MACHINERY, NOT SPECIFIED	86,041	0.46	5,096	80,945
MARBLE	185,306	0.99	4,133	181,173
PAPER IN ROLLS AND SHEETS FOR PRINTING	54,460	0.29	1,368	53,092
USED PAPER	88,707	0.47	23,982	64,725
PAPER AND STUCCOED CARDBOARDS	101,592	0.54	8,191	93,401
CAR PARTS AND ACCESORIES	184,714	0.99	4,616	180,098
MECHANICAL WOOD PASTE	58,605	0.31	0	58,605
FROZEN FISH	92,933	0.50	2,335	90,598
PLASTIC PLATES, SHEETS, SELF-ADHESIVE FILMS	95,094	0.51	260	94,833
ETHYLENE POLYMERS	222,792	1.19	3,742	219,050
FOOD PREPARATIONS	319,057	1.71	296,508	22,549
CHEMICAL PRODUCTS- AGGLUTINANTING PREPARATIONS	142,829	0.76	9,892	132,937
ACCELERATING CHEMICAL PRODUCTS	133,058	0.71	189	132,869
DIOTOMATIOUS CHEMICAL PRODUCTS	109,854	0.59	732	109,121
ORGANIC-INORGANIC CHEMICAL PRODUCTS	64,067	0.34	50	64,017
RESINS	73,610	0.39	289	73,321
BOTTLED GRAPE WINE	225,997	1.21	41,814	184,183
MISCELLANEOUS GOODS	11,324,331	60.57	2,827,012	8,497,319
<b>TOTAL</b>	<b>18,136,272</b>	<b>97.00</b>	<b>4,341,404</b>	<b>13,794,868</b>

#### 4.3.2. Handled on private wharves and berths

##### 4.3.2.1. Unloaded on private wharves and berths

Goods	Total		Domestic (t)	Foreign (t)
	Tonnes	%		
<b>Total unloaded</b>	<b>11,657,908</b>	<b>100.00</b>	<b>1,349,435</b>	<b>10,308,473</b>
<b>BULK LIQUIDS</b>				
BULK COCONUT OIL (COPRA), PALMIST	88,241	0.00		88,241
BULK PALM OIL	225,100	0.00		225,100
ANHYDRIC ACID	29,973	0.00		29,973
SULPHURIC ACID	87,768	0.00	29,566	58,202
POLYCARBOXYLIC ACIDS	22,547	0.00		22,547
PEROXIDE ALCOHOL	25,232	0.22	0	25,232
ALKILBENZENE	29,192	0.25	29,192	
NITRILE FUNCTION COMPOUNDS	25,201	0.22		25,201
FUEL-OIL	289,730	2.49	240,892	48,838
NATURAL GAS	4,097,135	35.14	204,421	3,892,714
DIESEL OIL	2,324,293	19.94	221,936	2,102,357
PETROL AND KEROSENE	1,189,420	10.20	390,934	798,486
LUBRICANTS	40,204	0.34		40,204
MOLASSES WITH SPECIAL FACILITY	36,666	0.31		36,666
METHANOL, PROPANOL, BUTANOL	186,608	1.60	802	185,806
AGGLUTINATING CHEMICAL PRODUCTS	78,880	0.68		78,880
CAUSTIC SODA	91,546	0.79		91,546
XYLENE, TOLUENE, BENZENE, STYRENE	87,164	0.75	59,814	27,351
OTHER BULK LIQUIDS	168,596	1.45	10,049	158,546
<b>TOTAL</b>	<b>9,123,495</b>	<b>78.26</b>	<b>1,187,606</b>	<b>7,935,889</b>
<b>BULK SOLID FOR SPECIAL FACILITY</b>				
CARBONATE OF AMMONIUM, POTASSIUM, CALCIUM, BARIUM, LEAD	41,091	0.35		41,091
BULK CEMENT AND CLINKER	226,082	1.94	155,890	70,192
POTASSIUM CHLORIDE	0	0.00		
SOYA BEAN	1,669,430	14.32		1,669,430
DRY PULSES WITHOUT POD	68,494	0.59		68,494
MAIZE WITH FACILITY	337,248	2.89		337,248
IRON ORER, BURNT PYRITES	5,939	0.05	5,939	
PULPS, OILCAKES AND MEALS	0	0.00		
WHEAT	171,839	1.47		171,839
OTHER BULKS PER FACILITY	14,290	0.12	0	14,290
<b>TOTAL</b>	<b>2,534,413</b>	<b>21.74</b>	<b>161,829</b>	<b>2,372,584</b>

Goods	Total		Domestic (t)	Foreign (t)
	Tonnes	%		
Total unloaded	11,657,908	100.00	1,349,435	10,308,473

#### BULK SOLID WITHOUT SPECIAL FACILITY

BULK FERTILISERS USING ANTIPOLLUTION MEANS	0	0.00		
NATURAL AND ARTIFICIAL NITROGENATED FERTILIZIERS	0	0.00		
CLAYS	0	0.00		
ROUGH KAOLIN AND CYANITE	0	0.00		
MINERAL SOFT COALS	0	0.00		
PETROLIUM COKE	0	0.00		
SCRAP IRON	0	0.00		
ALUMINIUM ORES. BAUXITE. ALUMIUN HYDRATE	0	0.00		
PERLITE, VERMICULITE, SEPIOLITE	0	0.00		
COMMON SALT	0	0.00		
GROUND GLASS	0	0.00		
OTHERS	0	0.00		
<b>TOTAL</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0</b>

#### GENERAL CARGO

BOTTLED OLIVE OIL AND FRACTION THEREOF	0	0.00		
OLIVES, NON-FROZEN PREPARED VEGETABLES	0	0.00		
LAMINATED STEEL	0	0.00		
POLICARBOXILIC ACIDS	0	0.00		
ORANGE BLOSSOM WATER	0	0.00		
MINERAL WATER	0	0.00		
NON-DRIED ALFALFA	0	0.00		
AIR CONDITIONERS	0	0.00		
TILES	0	0.00		
COFFEE	0	0.00		
PLASTIC CAPSULES AND COVERS	0	0.00		
FROZEN, REFRIGERATED AND FRESH MEAT OFFCUTS	0	0.00		
PAPER AND CARDBOARDS	0	0.00		
CEMENT IN SACKS	0	0.00		
MALT BEER, BOTTLED	0	0.00		
CARS	0	0.00		
ANIMAL FEEDS (TINNED)	0	0.00		
DETERGENTS	0	0.00		
PERSONAL BELONGINGS	0	0.00		
NON-ALLOYED IRON AND STEEL, INGOTS	0	0.00		
COMMON SOAP	0	0.00		



Goods	Total		Domestic (t)	Foreign (t)
	Tonnes	%		
<b>Total unloaded</b>	<b>11,657,908</b>	<b>100.00</b>	<b>1,349,435</b>	<b>10,308,473</b>
OTHER FURNITURE AND THEIR PARTS	0	0.00		
PLASTIC MANUFACTURED GOODS	0	0.00		
MACHINERY, NOT SPECIFIED	0	0.00		
MARBLE	0	0.00		
PAPER IN ROLLS AND SHEETS FOR PRINTING	0	0.00		
USED PAPER	0	0.00		
PAPER AND STUCCOED CARDBOARDS	0	0.00		
CAR PARTS AND ACCESORIES	0	0.00		
MECHANICAL WOOD PASTE	0	0.00		
FROZEN FISH	0	0.00		
PLASTIC PLATES, SHEETS, SELF-ADHESIVE FILMS	0	0.00		
ETHYLENE POLYMERS	0	0.00		
FOOD PREPARATIONS	0	0.00		
CHEMICAL PRODUCTS- AGGLUTINANTING PREPARATIONS	0	0.00		
ACCELERATING CHEMICAL PRODUCTS	0	0.00		
DIOTOMATIOUS CHEMICAL PRODUCTS	0	0.00		
ORGANIC-INORGANIC CHEMICAL PRODUCTS	0	0.00		
RESINS	0	0.00		
BOTTLED GRAPE WINE	0	0.00		
MISCELANEOUS GOODS	0	0.00		
<b>TOTAL</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0</b>

#### 4.3.2.2. Loaded on private wharves and berths

Goods	Total		Domestic (t)	Foreign (t)
	Tonnes	%		
<b>Total loaded</b>	<b>1,114,117</b>	<b>100.00</b>	<b>415,514</b>	<b>698,603</b>
<b>BULK LIQUIDS</b>				
BULK COCONUT OIL (COPRA), PALMIST	1,056	0.09		1,056
BULK PALM OIL	1,101	0.10		1,101
ANHYDRIC ACID	475	0.04		475
SULPHURIC ACID	0	0.00		
POLYCARBOXYLIC ACIDS	0	0.00		
PEROXIDE ALCOHOL	0	0.00		
ALKILBENZENE	0	0.00		
NITRILE FUNCTION COMPOUNDS	0	0.00		
FUEL-OIL	0	0.00		
NATURAL GAS	0	0.00		
DIESEL OIL	33,859	3.04	100	33,759
PETROL AND KEROSENE	67,928	6.10	671	67,257
LUBRICANTS	0	0.00		
MOLASSES WITH SPECIAL FACILITY	0	0.00		
METHANOL, PROPANOL, BUTANOL	8,415	0.76		8,415
AGGLUTINATING CHEMICAL PRODUCTS	0	0.00		
CAUSTIC SODA	133,568	11.99	99,669	33,900
XYLENE, TOLUENE, BENZENE, STYRENE	0	0.00		
OTHER BULK LIQUIDS	145,275	13.04	1,177	144,098
<b>TOTAL</b>	<b>391,677</b>	<b>35.16</b>	<b>101,616</b>	<b>290,061</b>
<b>BULK SOLID FOR SPECIAL FACILITY</b>				
CARBONATE OF AMMONIUM, POTASSIUM, CALCIUM, BARIUM, LEAD	0	0.00		
BULK CEMENT AND CLINKER	564,038	50.63	292,907	271,131
POTASSIUM CHLORIDE	121,513	10.91	16,276	105,237
SOYA BEAN	0	0.00		
DRY PULSES WITHOUT POD	0	0.00		
MAIZE WITH FACILITY	0	0.00		
IRON ORER, BURNT PYRITES	0	0.00		
PULPS, OILCAKES AND MEALS	36,054	3.24	4,715	31,339
WHEAT	0	0.00		
OTHER BULKS PER FACILITY	835	0.07	0	835
<b>TOTAL</b>	<b>722,440</b>	<b>64.84</b>	<b>313,898</b>	<b>408,542</b>

Goods	Total		Domestic (t)	Foreign (t)
	Tonnes	%		
<b>Total loaded</b>	<b>1,114,117</b>	<b>100.00</b>	<b>415,514</b>	<b>698,603</b>

#### BULK SOLID WITHOUT SPECIAL FACILITY

BULK FERTILISERS USING ANTIPOLLUTION MEANS	0	0.00		
NATURAL AND ARTIFICIAL NITROGENATED FERTILIZIERS	0	0.00		
CLAYS	0	0.00		
ROUGH KAOLIN AND CYANITE	0	0.00		
MINERAL SOFT COALS	0	0.00		
PETROLIUM COKE	0	0.00		
SCRAP IRON	0	0.00		
ALUMINIUM ORES. BAUXITE. ALUMIUN HYDRATE	0	0.00		
PERLITE, VERMICULITE, SEPIOLITE	0	0.00		
COMMON SALT	0	0.00		
GROUND GLASS	0	0.00		
OTHERS	0	0.00		
<b>TOTAL</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0</b>

#### GENERAL CARGO

BOTTLED OLIVE OIL AND FRACTION THEREOF	0	0.00		
OLIVES, NON-FROZEN PREPARED VEGETABLES	0	0.00		
LAMINATED STEEL	0	0.00		
POLICARBOXILIC ACIDS	0	0.00		
ORANGE BLOSSOM WATER	0	0.00		
MINERAL WATER	0	0.00		
NON-DRIED ALFALFA	0	0.00		
AIR CONDITIONERS	0	0.00		
TILES	0	0.00		
COFFEE	0	0.00		
PLASTIC CAPSULES AND COVERS	0	0.00		
FROZEN, REFRIGERATED AND FRESH MEAT OFFCUTS	0	0.00		
PAPER AND CARDBOARDS	0	0.00		
CEMENT IN SACKS	0	0.00		
MALT BEER, BOTTLED	0	0.00		
CARS	0	0.00		

Goods	Total		Domestic (t)	Foreign (t)
	Tonnes	%		
<b>Total loaded</b>	<b>1,114,117</b>	<b>100.00</b>	<b>415,514</b>	<b>698,603</b>
ANIMAL FEEDS (TINNED)	0	0.00		
DETERGENTS	0	0.00		
PERSONAL BELONGINGS	0	0.00		
NON-ALLOYED IRON AND STEEL, INGOTS	0	0.00		
COMMON SOAP	0	0.00		
OTHER FURNITURE AND THEIR PARTS	0	0.00		
PLASTIC MANUFACTURED GOODS	0	0.00		
MACHINERY, NOT SPECIFIED	0	0.00		
MARBLE	0	0.00		
PAPER IN ROLLS AND SHEETS FOR PRINTING	0	0.00		
USED PAPER	0	0.00		
PAPER AND STUCCOED CARDBOARDS	0	0.00		
CAR PARTS AND ACCESORIES	0	0.00		
MECHANICAL WOOD PASTE	0	0.00		
FROZEN FISH	0	0.00		
PLASTIC PLATES, SHEETS, SELF- ADHESIVE FILMS	0	0.00		
ETHYLENE POLYMERS	0	0.00		
FOOD PREPARATIONS	0	0.00		
CHEMICAL PRODUCTS- AGGLUTINANTING PREPARATIONS	0	0.00		
ACCELERATING CHEMICAL PRODUCTS	0	0.00		
DIOTOMATIOUS CHEMICAL PRODUCTS	0	0.00		
ORGANIC-INORGANIC CHEMICAL PRODUCTS	0	0.00		
RESINS	0	0.00		
BOTTLED GRAPE WINE	0	0.00		
MISCELANEOUS GOODS	0	0.00		
<b>TOTAL</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0</b>

#### 4.3.2.3. Total unloaded and loaded on private wharves and berths

Goods	Total		Domestic (t)	Foreign (t)
	Tonnes	%		
<b>Total unloaded and loaded</b>	<b>12,772,025</b>	<b>100.00</b>	<b>1,764,949</b>	<b>11,007,076</b>
<b>BULK LIQUIDS</b>				
BULK COCONUT OIL (COPRA), PALMIST	89,297	0.00	0	89,297
BULK PALM OIL	226,201	0.00	0	226,201
ANHYDRIC ACID	30,448	0.00	0	30,448
SULPHURIC ACID	87,768	0.00	29,566	58,202
POLYCARBOXYLIC ACIDS	22,547	0.00	0	22,547
PEROXIDE ALCOHOL	25,232	1.40	0	25,232
ALKILBENZENE	29,192	1.28	29,192	0
NITRILE FUNCTION COMPOUNDS	25,201	1.06	0	25,201
FUEL-OIL	289,730	1.05	240,892	48,838
NATURAL GAS	4,097,135	0.73	204,421	3,892,714
DIESEL OIL	2,358,152	0.68	222,036	2,136,116
PETROL AND KEROSENE	1,257,348	0.65	391,604	865,743
LUBRICANTS	40,204	0.56	0	40,204
MOLASSES WITH SPECIAL FACILITY	36,666	0.47	0	36,666
METHANOL, PROPANOL, BUTANOL	195,023	0.09	802	194,221
AGGLUTINATING CHEMICAL PRODUCTS	78,880	0.08	0	78,880
CAUSTIC SODA	225,114	0.02	99,669	125,446
XYLENE, TOLUENE, BENZENE, STYRENE	87,164	0.01	59,814	27,351
OTHER BULK LIQUIDS	313,871	2.41	11,226	302,645
<b>TOTAL</b>	<b>9,515,172</b>	<b>76.61</b>	<b>1,289,222</b>	<b>8,225,950</b>
<b>BULK SOLID FOR SPECIAL FACILITY</b>				
CARBONATE OF AMMONIUM, POTASSIUM, CALCIUM, BARIUM, LEAD	41,091	11.18	0	41,091
BULK CEMENT AND CLINKER	790,120	7.36	448,797	341,323
POTASSIUM CHLORIDE	121,513	1.30	16,276	105,237
SOYA BEAN	1,669,430	1.18	0	1,669,430
DRY PULSES WITHOUT POD	68,494	1.01	0	68,494
MAIZE WITH FACILITY	337,248	0.52	0	337,248
IRON ORE, BURNT PYRITES	5,939	0.42	5,939	0
PULPS, OILCAKES AND MEALS	36,054	0.31	4,715	31,339
WHEAT	171,839	0.10	0	171,839

Goods	Total		Domestic (t)	Foreign (t)
	Tonnes	%		
<b>Total unloaded and loaded</b>	<b>12,772,025</b>	<b>100.00</b>	<b>1,764,949</b>	<b>11,007,076</b>
OTHER BULKS PER FACILITY	15,126	0.00	0	15,126
<b>TOTAL</b>	<b>3,256,853</b>	<b>23.39</b>	<b>475,727</b>	<b>2,781,126</b>
<b>BULK SOLID WITHOUT SPECIAL FACILITY</b>				
BULK FERTILISERS USING ANTIPOLLUTION MEANS	0	0.00	0	0
NATURAL AND ARTIFICIAL NITROGENATED FERTILIZIERS	0	0.00	0	0
CLAYS	0	0.00	0	0
ROUGH KAOLIN AND CYANITE	0	0.00	0	0
MINERAL SOFT COALS	0	0.00	0	0
PETROLIUM COKE	0	0.00	0	0
SCRAP IRON	0	0.00	0	0
ALUMINIUM ORES. BAUXITE. ALUMIUM HYDRATE	0	0.00	0	0
PERLITE, VERMICULITE, SEPIOLITE	0	0.00	0	0
COMMON SALT	0	0.00	0	0
GROUND GLASS	0	0.00	0	0
OTHERS	0	0.00	0	0
<b>TOTAL</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0</b>
<b>GENERAL CARGO</b>				
BOTTLED OLIVE OIL AND FRACTION THEREOF	0	0.00	0	0
OLIVES, NON-FROZEN PREPARED VEGETABLES	0	0.00	0	0
LAMINATED STEEL	0	0.00	0	0
POLICARBOXILIC ACIDS	0	0.00	0	0
ORANGE BLOSSOM WATER	0	0.00	0	0
MINERAL WATER	0	0.00	0	0
NON-DRIED ALFALFA	0	0.00	0	0
AIR CONDITIONERS	0	0.00	0	0
TILES	0	0.00	0	0
COFFEE	0	0.00	0	0
PLASTIC CAPSULES AND COVERS	0	0.00	0	0
FROZEN, REFRIGERATED AND FRESH MEAT OFFCUTS	0	0.00	0	0
PAPER AND CARDBOARDS	0	0.00	0	0
CEMENT IN SACKS	0	0.00	0	0

Goods	Total		Domestic (t)	Foreign (t)
	Tonnes	%		
<b>Total unloaded and loaded</b>	<b>12,772,025</b>	<b>100.00</b>	<b>1,764,949</b>	<b>11,007,076</b>
MALT BEER, BOTTLED	0	0.00	0	0
CARS	0	0.00	0	0
ANIMAL FEEDS (TINNED)	0	0.00	0	0
DETERGENTS	0	0.00	0	0
PERSONAL BELONGINGS	0	0.00	0	0
NON-ALLOYED IRON AND STEEL, INGOTS	0	0.00	0	0
COMMON SOAP	0	0.00	0	0
OTHER FURNITURE AND THEIR PARTS	0	0.00	0	0
PLASTIC MANUFACTURED GOODS	0	0.00	0	0
MACHINERY, NOT SPECIFIED	0	0.00	0	0
MARBLE	0	0.00	0	0
PAPER IN ROLLS AND SHEETS FOR PRINTING	0	0.00	0	0
USED PAPER	0	0.00	0	0
PAPER AND STUCCOED CARDBOARDS	0	0.00	0	0
CAR PARTS AND ACCESORIES	0	0.00	0	0
MECHANICAL WOOD PASTE	0	0.00	0	0
FROZEN FISH	0	0.00	0	0
PLASTIC PLATES, SHEETS, SELF-ADHESIVE FILMS	0	0.00	0	0
ETHYLENE POLYMERS	0	0.00	0	0
FOOD PREPARATIONS	0	0.00	0	0
CHEMICAL PRODUCTS- AGGLUTINANTING PREPARATIONS	0	0.00	0	0
ACCELERATING CHEMICAL PRODUCTS	0	0.00	0	0
DIOTOMATIOUS CHEMICAL PRODUCTS	0	0.00	0	0
ORGANIC-INORGANIC CHEMICAL PRODUCTS	0	0.00	0	0
RESINS	0	0.00	0	0
BOTTLED GRAPE WINE	0	0.00	0	0
MISCELANEOUS GOODS	0	0.00	0	0
<b>TOTAL</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0</b>

### 4.3.3. Unloaded and loaded during the year

#### 4.3.3.1. Total unloaded

Goods	Total		Domestic (t)	Foreign (t)
	Tonnes	%		
<b>Total unloaded</b>	<b>20,212,929</b>	<b>100.00</b>	<b>2,492,974</b>	<b>17,719,955</b>
<b>BULK LIQUIDS</b>				
BULK COCONUT OIL (COPRA), PALMIST	88,241	0.44	0	88,241
BULK PALM OIL	225,100	1.11	0	225,100
ANHYDRIC ACID	29,973	0.15	0	29,973
SULPHURIC ACID	87,768	0.43	29,566	58,202
POLYCARBOXYLIC ACIDS	22,547	0.11	0	22,547
PEROXIDE ALCOHOL	25,232	0.12	0	25,232
ALKILBENZENE	29,192	0.14	29,192	0
NITRILE FUNCTION COMPOUNDS	25,201	0.12	0	25,201
FUEL-OIL	289,730	1.43	240,892	48,838
NATURAL GAS	4,097,135	20.27	204,421	3,892,714
DIESEL OIL	2,324,293	11.50	221,936	2,102,357
PETROL AND KEROSENE	1,189,420	5.88	390,934	798,486
LUBRICANTS	40,204	0.20	0	40,204
MOLASSES WITH SPECIAL FACILITY	36,666	0.18	0	36,666
METHANOL, PROPANOL, BUTANOL	186,608	0.92	802	185,806
AGGLUTINATING CHEMICAL PRODUCTS	78,880	0.39	0	78,880
CAUSTIC SODA	91,546	0.45	0	91,546
XYLENE, TOLUENE, BENZENE, STYRENE	87,164	0.43	59,814	27,351
OTHER BULK LIQUIDS	168,596	0.83	10,049	158,546
<b>TOTAL</b>	<b>9,123,495</b>	<b>45.14</b>	<b>1,187,606</b>	<b>7,935,889</b>
<b>BULK SOLID FOR SPECIAL FACILITY</b>				
CARBONATE OF AMMONIUM, POTASSIUM, CALCIUM, BARIUM, LEAD	41,091	0.20	0	41,091
BULK CEMENT AND CLINKER	226,082	1.12	155,890	70,192
POTASSIUM CHLORIDE	0	0.00	0	0
SOYA BEAN	1,669,430	8.26	0	1,669,430
DRY PULSES WITHOUT POD	68,494	0.34	0	68,494
MAIZE WITH FACILITY	337,248	1.67	0	337,248
IRON ORER, BURNT PYRITES	5,939	0.03	5,939	0
PULPS, OILCAKES AND MEALS	0	0.00	0	0
WHEAT	171,839	0.85	0	171,839
OTHER BULKS PER FACILITY	14,290	0.07	0	14,290
<b>TOTAL</b>	<b>2,534,413</b>	<b>12.54</b>	<b>161,829</b>	<b>2,372,584</b>



Goods	Total		Domestic (t)	Foreign (t)
	Tonnes	%		
<b>Total unloaded</b>	<b>20,212,929</b>	<b>100.00</b>	<b>2,492,974</b>	<b>17,719,955</b>
<b>BULK SOLID WITHOUT SPECIAL FACILITY</b>				
BULK FERTILISERS USING ANTIPOLLUTION MEANS	0	0.00	0	0
NATURAL AND ARTIFICIAL NITROGENATED FERTILIZIERS	13,505	0.07	0	13,505
CLAYS	13,745	0.07	0	13,745
ROUGH KAOLIN AND CYANITE	13,475	0.07	0	13,475
MINERAL SOFT COALS	30,319	0.15	0	30,319
PETROLIUM COKE	147,016	0.73	0	147,016
SCRAP IRON	42,663	0.21	0	42,663
ALUMINIUM ORES. BAUXITE. ALUMIUN HYDRATE	32,444	0.16	0	32,444
PERLITE, VERMICULITE, SEPIOLITE	44,340	0.22	0	44,340
COMMON SALT	28,268	0.14	28,268	0
GROUND GLASS	28,697	0.14	0	28,697
OTHERS	18,698	0.09	9,932	8,766
<b>TOTAL</b>	<b>413,170</b>	<b>2.04</b>	<b>38,200</b>	<b>374,970</b>
<b>GENERAL CARGO</b>				
BOTTLED OLIVE OIL AND FRACTION THEREOF	21,247	0.11	110	21,136
OLIVES, NON-FROZEN PREPARED VEGETABLES	28,439	0.14	26	28,413
LAMINATED STEEL	617,626	3.06	0	617,626
POLICARBOXILIC ACIDS	90,378	0.45	87	90,292
ORANGE BLOSSOM WATER	7,170	0.04	4,769	2,402
MINERAL WATER	25,816	0.13	38	25,777
NON-DRIED ALFALFA	92	0.00	20	72
AIR CONDITIONERS	49,296	0.24	1	49,295
TILES	109,929	0.54	267	109,663
COFFEE	325,283	1.61	1	325,282
PLASTIC CAPSULES AND COVERS	12,643	0.06	3,726	8,918
FROZEN, REFRIGERATED AND FRESH MEAT OFFCUTS	38,602	0.19	299	38,303
PAPER AND CARDBOARDS	43,818	0.22	158	43,659
CEMENT IN SACKS	3,167	0.02	19	3,148
MALT BEER, BOTTLED	44,089	0.22	529	43,559
CARS	200,229	0.99	17,701	182,528

Goods	Total		Domestic (t)	Foreign (t)
	Tonnes	%		
<b>Total unloaded</b>	<b>20,212,929</b>	<b>100.00</b>	<b>2,492,974</b>	<b>17,719,955</b>
ANIMAL FEEDS (TINNED)	5,379	0.03	67	5,312
DETERGENTS	1,786	0.01	0	1,786
PERSONAL BELONGINGS	207,600	1.03	10,600	197,000
NON-ALLOYED IRON AND STEEL, INGOTS	116,409	0.58	19	116,391
COMMON SOAP	7,137	0.04	234	6,903
OTHER FURNITURE AND THEIR PARTS	44,896	0.22	700	44,195
PLASTIC MANUFACTURED GOODS	52,385	0.26	37	52,348
MACHINERY, NOT SPECIFIED	51,914	0.26	728	51,186
MARBLE	83,105	0.41	25	83,080
PAPER IN ROLLS AND SHEETS FOR PRINTING	38,979	0.19	0	38,979
USED PAPER	64,047	0.32	21,783	42,264
PAPER AND STUCCOED CARDBOARDS	1,930	0.01	10	1,920
CAR PARTS AND ACCESORIES	73,267	0.36	76	73,191
MECHANICAL WOOD PASTE	36,191	0.18	0	36,191
FROZEN FISH	59,701	0.30	1,798	57,903
PLASTIC PLATES, SHEETS, SELF-ADHESIVE FILMS	48,823	0.24	1	48,822
ETHYLENE POLYMERS	108,672	0.54	102	108,570
FOOD PREPARATIONS	3,472	0.02	1,576	1,896
CHEMICAL PRODUCTS- AGGLUTINANTING PREPARATIONS	47,152	0.23	4	47,148
ACCELERATING CHEMICAL PRODUCTS	69,028	0.34	0	69,028
DIOTOMATIOUS CHEMICAL PRODUCTS	55,508	0.27	0	55,508
ORGANIC-INORGANIC CHEMICAL PRODUCTS	40,780	0.20	1	40,779
RESINS	37,476	0.19	0	37,476
BOTTLED GRAPE WINE	52,026	0.26	479	51,547
MISCELANEOUS GOODS	5,216,363	25.81	1,039,345	4,177,018
<b>TOTAL</b>	<b>8,141,851</b>	<b>40.28</b>	<b>1,105,339</b>	<b>7,036,512</b>

#### 4.3.3.2. Total loaded

Goods	Total		Domestic (t)	Foreign (t)
	Tonnes	%		
<b>Total loaded</b>	<b>11,256,303</b>	<b>100.00</b>	<b>3,687,468</b>	<b>7,568,835</b>
<b>BULK LIQUIDS</b>				
BULK COCONUT OIL (COPRA), PALMIST	1,056	0.01	0	1,056
BULK PALM OIL	1,101	0.01	0	1,101
ANHYDRIC ACID	475	0.00	0	475
SULPHURIC ACID	0	0.00	0	0
POLYCARBOXYLIC ACIDS	0	0.00	0	0
PEROXIDE ALCOHOL	0	0.00	0	0
ALKILBENZENE	0	0.00	0	0
NITRILE FUNCTION COMPOUNDS	0	0.00	0	0
FUEL-OIL	0	0.00	0	0
NATURAL GAS	0	0.00	0	0
DIESEL OIL	33,859	0.30	100	33,759
PETROL AND KEROSENE	67,928	0.60	671	67,257
LUBRICANTS	0	0.00	0	0
MOLASSES WITH SPECIAL FACILITY	0	0.00	0	0
METHANOL, PROPANOL, BUTANOL	8,415	0.07	0	8,415
AGGLUTINATING CHEMICAL PRODUCTS	0	0.00	0	0
CAUSTIC SODA	133,568	1.19	99,669	33,900
XYLENE, TOLUENE, BENZENE, STYRENE	0	0.00	0	0
OTHER BULK LIQUIDS	145,275	1.29	1,177	144,098
<b>TOTAL</b>	<b>391,677</b>	<b>3.48</b>	<b>101,616</b>	<b>290,061</b>
<b>BULK SOLID FOR SPECIAL FACILITY</b>				
CARBONATE OF AMMONIUM, POTASSIUM, CALCIUM, BARIUM, LEAD	0	0.00	0	0
BULK CEMENT AND CLINKER	564,038	5.01	292,907	271,131

Goods	Total		Domestic (t)	Foreign (t)
	Tonnes	%		
<b>Total loaded</b>	<b>11,256,303</b>	<b>100.00</b>	<b>3,687,468</b>	<b>7,568,835</b>
POTASSIUM CHLORIDE	121,513	1.08	16,276	105,237
SOYA BEAN	0	0.00	0	0
DRY PULSES WITHOUT POD	0	0.00	0	0
MAIZE WITH FACILITY	0	0.00	0	0
IRON ORE, BURNT PYRITES	0	0.00	0	0
PULPS, OILCAKES AND MEALS	36,054	0.32	4,715	31,339
WHEAT	0	0.00	0	0
OTHER BULKS PER FACILITY	835	0.01	0	835
<b>TOTAL</b>	<b>722,440</b>	<b>6.42</b>	<b>313,898</b>	<b>408,542</b>
<b>BULK SOLID WITHOUT SPECIAL FACILITY</b>				
BULK FERTILISERS USING ANTIPOLLUTION MEANS	121,814	1.08	11,588	110,226
NATURAL AND ARTIFICIAL NITROGENATED FERTILIZERS	0	0.00	0	0
CLAYS	0	0.00	0	0
ROUGH KAOLIN AND CYANITE	0	0.00	0	0
MINERAL SOFT COALS	0	0.00	0	0
PETROLIUM COKE	0	0.00	0	0
SCRAP IRON	0	0.00	0	0
ALUMINIUM ORES. BAUXITE. ALUMINIUM HYDRATE	0	0.00	0	0
PERLITE, VERMICULITE, SEPIOLITE	0	0.00	0	0
COMMON SALT	24,301	0.22	24,301	0
GROUND GLASS	0	0.00	0	0
OTHERS	1,650	0.01	0	1,650
<b>TOTAL</b>	<b>147,765</b>	<b>1.31</b>	<b>35,889</b>	<b>111,876</b>
<b>GENERAL CARGO</b>				
BOTTLED OLIVE OIL AND FRACTION THEREOF	77,388	0.69	881	76,508

Goods	Total		Domestic (t)	Foreign (t)
	Tonnes	%		
<b>Total loaded</b>	<b>11,256,303</b>	<b>100.00</b>	<b>3,687,468</b>	<b>7,568,835</b>
OLIVES, NON-FROZEN PREPARED VEGETABLES	40,610	0.36	1,085	39,524
LAMINATED STEEL	3,598	0.03	0	3,598
POLICARBOXILIC ACIDS	5,542	0.05	2	5,540
ORANGE BLOSSOM WATER	53,079	0.47	45,727	7,352
MINERAL WATER	150,686	1.34	122,180	28,507
NON-DRIED ALFALFA	80,272	0.71	47,267	33,005
AIR CONDITIONERS	10,955	0.10	1,421	9,534
TILES	284,375	2.53	51,300	233,075
COFFEE	123,511	1.10	2,025	121,486
PLASTIC CAPSULES AND COVERS	44,928	0.40	4,221	40,708
FROZEN, REFRIGERATED AND FRESH MEAT OFFCUTS	45,661	0.41	53	45,608
PAPER AND CARDBOARDS	72,787	0.65	2,935	69,853
CEMENT IN SACKS	90,586	0.80	81,513	9,073
MALT BEER, BOTTLED	100,145	0.89	87,008	13,137
CARS	510,346	4.53	97,465	412,882
ANIMAL FEEDS (TINNED)	53,899	0.48	20,562	33,337
DETERGENTS	118,748	1.05	33,460	85,288
PERSONAL BELONGINGS	438,483	3.90	365,026	73,457
NON-ALLOYED IRON AND STEEL, INGOTS	33,538	0.30	17,801	15,737
COMMON SOAP	60,268	0.54	46,165	14,103
OTHER FURNITURE AND THEIR PARTS	74,893	0.67	34,258	40,635
PLASTIC MANUFACTURED GOODS	45,511	0.40	9,433	36,079
MACHINERY, NOT SPECIFIED	34,127	0.30	4,368	29,759
MARBLE	102,201	0.91	4,108	98,093
PAPER IN ROLLS AND SHEETS FOR PRINTING	15,481	0.14	1,368	14,113
USED PAPER	24,660	0.22	2,199	22,461
PAPER AND STUCCOED CARDBOARDS	99,662	0.89	8,181	91,481
CAR PARTS AND ACCESORIES	111,447	0.99	4,540	106,907

Goods	Total		Domestic (t)	Foreign (t)
	Tonnes	%		
<b>Total loaded</b>	<b>11,256,303</b>	<b>100.00</b>	<b>3,687,468</b>	<b>7,568,835</b>
MECHANICAL WOOD PASTE	22,414	0.20	0	22,414
FROZEN FISH	33,232	0.30	537	32,695
PLASTIC PLATES, SHEETS, SELF-ADHESIVE FILMS	46,271	0.41	260	46,011
ETHYLENE POLYMERS	114,120	1.01	3,639	110,481
FOOD PREPARATIONS	315,585	2.80	294,932	20,653
CHEMICAL PRODUCTS- AGGLUTINANTING PREPARATIONS	95,677	0.85	9,888	85,789
ACCELERATING CHEMICAL PRODUCTS	64,030	0.57	189	63,841
DIOTOMATIOUS CHEMICAL PRODUCTS	54,346	0.48	732	53,614
ORGANIC-INORGANIC CHEMICAL PRODUCTS	23,287	0.21	49	23,238
RESINS	36,134	0.32	289	35,845
BOTTLED GRAPE WINE	173,971	1.55	41,335	132,636
MISCELANEOUS GOODS	6,107,968	54.26	1,787,667	4,320,301
<b>TOTAL</b>	<b>9,994,421</b>	<b>88.79</b>	<b>3,236,065</b>	<b>6,758,356</b>

#### 4.3.3.3. Total unloaded and loaded

Goods	Total		Domestic (t)	Foreign (t)
	Tonnes	%		
<b>Total unloaded and loaded</b>	<b>31,469,232</b>	<b>100.00</b>	<b>6,180,442</b>	<b>25,288,790</b>
<b>BULK LIQUIDS</b>				
BULK COCONUT OIL (COPRA), PALMIST	89,297	0.28	0	89,297
BULK PALM OIL	226,201	0.72	0	226,201
ANHYDRIC ACID	30,448	0.10	0	30,448
SULPHURIC ACID	87,768	0.28	29,566	58,202
POLYCARBOXYLIC ACIDS	22,547	0.07	0	22,547
PEROXIDE ALCOHOL	25,232	0.08	0	25,232
ALKILBENZENE	29,192	0.09	29,192	0
NITRILE FUNCTION COMPOUNDS	25,201	0.08	0	25,201
FUEL-OIL	289,730	0.92	240,892	48,838
NATURAL GAS	4,097,135	13.02	204,421	3,892,714
DIESEL OIL	2,358,152	7.49	222,036	2,136,116
PETROL AND KEROSENE	1,257,348	4.00	391,604	865,743
LUBRICANTS	40,204	0.13	0	40,204
MOLASSES WITH SPECIAL FACILITY	36,666	0.12	0	36,666
METHANOL, PROPANOL, BUTANOL	195,023	0.62	802	194,221
AGGLUTINATING CHEMICAL PRODUCTS	78,880	0.25	0	78,880
CAUSTIC SODA	225,114	0.72	99,669	125,446
XYLENE, TOLUENE, BENZENE, STYRENE	87,164	0.28	59,814	27,351
OTHER BULK LIQUIDS	313,871	1.00	11,226	302,645
<b>TOTAL</b>	<b>9,515,172</b>	<b>30.24</b>	<b>1,289,222</b>	<b>8,225,950</b>
<b>BULK SOLID FOR SPECIAL FACILITY</b>				
CARBONATE OF AMMONIUM, POTASSIUM, CALCIUM, BARIUM, LEAD	41,091	0.13	0	41,091
BULK CEMENT AND CLINKER	790,120	2.51	448,797	341,323
POTASSIUM CHLORIDE	121,513	0.39	16,276	105,237
SOYA BEAN	1,669,430	5.30	0	1,669,430
DRY PULSES WITHOUT POD	68,494	0.22	0	68,494
MAIZE WITH FACILITY	337,248	1.07	0	337,248
IRON ORER, BURNT PYRITES	5,939	0.02	5,939	0
PULPS, OILCAKES AND MEALS	36,054	0.11	4,715	31,339
WHEAT	171,839	0.55	0	171,839
OTHER BULKS PER FACILITY	15,126	0.05	0	15,126
<b>TOTAL</b>	<b>3,256,853</b>	<b>10.35</b>	<b>475,727</b>	<b>2,781,126</b>

Goods	Total		Domestic (t)	Foreign (t)
	Tonnes	%		
<b>Total unloaded and loaded</b>	<b>31,469,232</b>	<b>100.00</b>	<b>6,180,442</b>	<b>25,288,790</b>

#### BULK SOLID WITHOUT SPECIAL FACILITY

BULK FERTILISERS USING ANTIPOLLUTION MEANS	121,814	0.39	11,588	110,226
NATURAL AND ARTIFICIAL NITROGENATED FERTILIZIERS	13,505	0.04	0	13,505
CLAYS	13,745	0.04	0	13,745
ROUGH KAOLIN AND CYANITE	13,475	0.04	0	13,475
MINERAL SOFT COALS	30,319	0.10	0	30,319
PETROLIUM COKE	147,016	0.47	0	147,016
SCRAP IRON	42,663	0.14	0	42,663
ALUMINIUM ORES. BAUXITE. ALUMIUN HYDRATE	32,444	0.10	0	32,444
PERLITE, VERMICULITE, SEPIOLITE	44,340	0.14	0	44,340
COMMON SALT	52,568	0.17	52,568	0
GROUND GLASS	28,697	0.09	0	28,697
OTHERS	20,348	0.06	9,932	10,416
<b>TOTAL</b>	<b>560,935</b>	<b>1.78</b>	<b>74,089</b>	<b>486,846</b>

#### GENERAL CARGO

BOTTLED OLIVE OIL AND FRACTION THEREOF	98,635	0.31	991	97,644
OLIVES, NON-FROZEN PREPARED VEGETABLES	69,048	0.22	1,111	67,937
LAMINATED STEEL	621,224	1.97	0	621,224
POLICARBOXILIC ACIDS	95,921	0.30	89	95,832
ORANGE BLOSSOM WATER	60,249	0.19	50,495	9,754
MINERAL WATER	176,502	0.56	122,218	54,284
NON-DRIED ALFALFA	80,364	0.26	47,287	33,077
AIR CONDITIONERS	60,251	0.19	1,422	58,829
TILES	394,304	1.25	51,566	342,738
COFFEE	448,794	1.43	2,026	446,768
PLASTIC CAPSULES AND COVERS	57,572	0.18	7,946	49,625
FROZEN, REFRIGERATED AND FRESH MEAT OFFCUTS	84,263	0.27	352	83,911
PAPER AND CARDBOARDS	116,605	0.37	3,093	113,512
CEMENT IN SACKS	93,753	0.30	81,532	12,221



Goods	Total		Domestic (t)	Foreign (t)
	Tonnes	%		
<b>Total unloaded and loaded</b>	<b>31,469,232</b>	<b>100.00</b>	<b>6,180,442</b>	<b>25,288,790</b>
MALT BEER, BOTTLED	144,233	0.46	87,537	56,696
CARS	710,575	2.26	115,166	595,409
ANIMAL FEEDS (TINNED)	59,278	0.19	20,629	38,649
DETERGENTS	120,534	0.38	33,460	87,074
PERSONAL BELONGINGS	646,083	2.05	375,626	270,457
NON-ALLOYED IRON AND STEEL, INGOTS	149,947	0.48	17,820	132,128
COMMON SOAP	67,405	0.21	46,399	21,006
OTHER FURNITURE AND THEIR PARTS	119,788	0.38	34,958	84,830
PLASTIC MANUFACTURED GOODS	97,897	0.31	9,470	88,426
MACHINERY, NOT SPECIFIED	86,041	0.27	5,096	80,945
MARBLE	185,306	0.59	4,133	181,173
PAPER IN ROLLS AND SHEETS FOR PRINTING	54,460	0.17	1,368	53,092
USED PAPER	88,707	0.28	23,982	64,725
PAPER AND STUCCOED CARDBOARDS	101,592	0.32	8,191	93,401
CAR PARTS AND ACCESORIES	184,714	0.59	4,616	180,098
MECHANICAL WOOD PASTE	58,605	0.19	0	58,605
FROZEN FISH	92,933	0.30	2,335	90,598
PLASTIC PLATES, SHEETS, SELF- ADHESIVE FILMS	95,094	0.30	260	94,833
ETHYLENE POLYMERS	222,792	0.71	3,742	219,050
FOOD PREPARATIONS	319,057	1.01	296,508	22,549
CHEMICAL PRODUCTS- AGGLUTINANTING PREPARATIONS	142,829	0.45	9,892	132,937
ACCELERATING CHEMICAL PRODUCTS	133,058	0.42	189	132,869
DIOTOMATIOUS CHEMICAL PRODUCTS	109,854	0.35	732	109,121
ORGANIC-INORGANIC CHEMICAL PRODUCTS	64,067	0.20	50	64,017
RESINS	73,610	0.23	289	73,321
BOTTLED GRAPE WINE	225,997	0.72	41,814	184,183
MISCELANEOUS GOODS	11,324,331	35.99	2,827,012	8,497,319
<b>TOTAL</b>	<b>18,136,272</b>	<b>57.63</b>	<b>4,341,404</b>	<b>13,794,868</b>

4.3.4. Total cargo by nationality of ports of origin and destination (t)

Country	Unloaded	Loaded	Total	Country	Unloaded	Loaded	Total
ALBANIA	71		71	CAIMÁN ISLES	42		42
GERMANY	17,315	132,430	149,746	ISRAEL	388,206	220,453	608,659
ANGOLA	828	99	926	ITALY	866,423	2,962,059	3,828,482
ANTIGUA AND BARBUDA	386		386	JAMAICA	11,120	4,576	15,696
NETHERLANDS ANTILLES	479	22	500	JAPAN	167,577	274,131	441,708
SAUDI ARABIA	101,189	248,971	350,161	JORDAN	24,042	2,952	26,994
ALGERIA	220,040	3,064,978	3,285,018	KENYA	18,842	57,635	76,477
ARGENTINA	159,168	282,501	441,669	KIRIBATI	6		6
ARUBA	54		54	KUWAIT	10,982	16,572	27,554
AUSTRALIA	90,584	23,400	113,984	LATVIA	4,772	40,690	45,462
AZERBAIJAN	73		73	LEBANON	61,590	3,529	65,120
BAHAMAS	106	11	117	LIBERIA	390	569	959
BAHRAIN	3,058	32,545	35,603	LIBYA	10,805	547,019	557,824
BANGLADESH	8,212	21,323	29,535	LITHUANIA	2,008	16	2,025
BARBADOS	858		858	MACAO	121	326	446
BELGIUM	5,795	62,849	68,644	MADAGASCAR	1,589	2,615	4,204
BELIZE	18		18	MALAYSIA	36,291	184,758	221,049
BENIN	7,806	2,745	10,551	MALTA	45,585	29,206	74,791
BERMUDES	96		96	MOROCCO	342,678	89,878	432,556
BOLIVIA	4		4	MARTINIQUE	1,905	14	1,919
BRAZIL	180,492	1,292,867	1,473,360	MAURITIUS	3,508	4,908	8,416
BRAZZAVILLE	932	32	963	MAURITANIA	6,034	480	6,513
BRUNEI	123		123	MAYOTTE	89		89
BULGARIA	8,553	121,236	129,790	MEXICO	187,400	178,681	366,081
BURKINA FASO	383	171	553	MONACO		12	12
CAMBODIA (KAMPUCHEA)	49	362	411	MOZAMBIQUE	1,701	4,367	6,068
CAMEROON	7,429	17,885	25,313	MYANMAR (BURMA)	141	1,482	1,623
CANADA	142,739	184,156	326,895	NAMIBIA	104	480	583
COLOMBIA	44,716	24,886	69,602	NICARAGUA	47	353	400
NORTH KOREA	223		223	NIGERIA	61,337	5,658	66,995
SOUTH KOREA	89,857	208,637	298,494	NORWAY	3,347	1,067	4,414
CÔTE D'IVOIRE	60,545	92,170	152,714	NEW CALEDONIAN	862		862
COSTA RICA	12,832	26,702	39,535	NEW ZEALAND	30,122	6,762	36,884
CROATIA	131	19	150	OMAN	3,639	276	3,916
CUBA	86,661	12,895	99,556	NETHERLANDS	68,971	150,353	219,324
CHILE	34,875	70,800	105,674	PANAMA	8,236	1,110	9,346
CHINA	173,071	704,423	877,493	PAPUA NEW GUINEA	278	21	299
CYPRUS	37,428	9,376	46,804	PAKISTAN	17,413	57,535	74,948
DENMARK	7,717	305	8,022	PARAGUAY	4,210	30,287	34,497
DJIBOUTI	3,496	3,066	6,562	PERU	11,171	6,649	17,820
EQUADOR	5,423	5,840	11,263	FRENCH POLYNESIA	22	4	26
EGYPT	158,283	188,352	346,635	POLAND	12,571	1,668	14,239
EL SALVADOR	7,827	2,076	9,904	PORTUGAL	95,692	39,258	134,950
UNITED ARAB EMIRATES	58,872	134,352	193,224	PUERTO RICO	20,274	14,287	34,561
ERITREA	214	7	221	QATAR	1,980	448,528	450,508
SLOVENIA	12,099	1,791	13,890	UNITED KINGDOM	108,075	200,088	308,164
SPAIN	3,864,688	2,740,525	6,605,213	DOMINICAN REPUBLIC	31,066	4,988	36,054

Country	Unloaded	Loaded	Total	Country	Unloaded	Loaded	Total
UNITED STATES	1,111,031	1,603,842	2,714,873	REPOUBLIC OF SOUTH AFRICA	100,328	101,218	201,546
ESTHONIA	1,688	3,003	4,692	REPUBLIC OF CONGO	2,073	402	2,475
ETHIOPIY	5		5	REUNION	995	113	1,108
PHILIPPINES	10,416	19,885	30,301	ROMANIA	13,311	84,721	98,032
FINLAND	10,364	14,831	25,194	RUSSIA	28,052	140,453	168,505
FIJI (ISLANDS)	67	12	79	AMERICAN SAMOA	32		32
FRANCE	195,768	594,666	790,434	SAINT LUCIA	11		11
GABON	1,306	312	1,618	SENEGAL	43,806	2,032	45,838
GAMBIA	7,452	102	7,554	SEYCHELLES	251	47	298
GEORGIA	2,963	50,021	52,984	SIERRA LEONE	7,913		7,913
GHANA	23,200	14,641	37,841	SINGAPORE	138,630	75,538	214,168
GIBRALTAR	17,053	160	17,213	SYRIA	59,293	20,460	79,753
GRENADA	26		26	SOMALIA	8		8
GREECE	299,065	215,506	514,570	SRI LANKA (CEILAN)	12,189	18,260	30,449
GREENLAND	13		13	SUDAN	1,786	8,345	10,131
GUADALUPE	2,320		2,320	SWEDEN	10,124	75,664	85,788
GUAM	16		16	SURINAM	252	31	283
GUATEMALA	10,205	5,655	15,861	TAIWAN	43,180	111,086	154,267
FRENCH GUIANA	424		424	TANZANIA	3,208	39,805	43,013
GUINEA	10,108	847	10,955	THAILAND	26,626	108,262	134,888
EQUATORIAL GUINEA	10,544	363	10,907	TOGO	4,498	571	5,069
GUIANA	326		326	TRINIDAD AND TOBAGO	5,957	80,282	86,239
HAITI	3,902	356	4,258	TUNISIA	172,141	35,650	207,792
HONDURAS	3,900	8,022	11,922	TURQUOISE AND CAICOS ISLES	85		85
HONG KONG	78,646	87,425	166,070	TURKEY	243,704	300,165	543,870
HUNGARY	46		46	UKRAINE	7,573	97,166	104,739
VIRGIN ISLES (E. U.)	11		11	URUGUAY	36,128	69,552	105,680
VIRGIN ISLES (ENGLAND)	17		17	VENEZUELA	57,614	44,238	101,852
INDIA	39,072	301,707	340,779	VIETNAM	10,287	106,167	116,454
INDONESIA	32,113	455,097	487,210	YEMEN	2,086	1,528	3,614
IRAK	5,744		5,744	YUGOSLAVIA	251		251
IRAN	38,264	2,142	40,406	ZAIRE (REPUBLIC)		41	41
IRELAND	18,517	1,429	19,946				
ICELAND	259	5	264				
				<b>TOTAL</b>	<b>11,256,302</b>	<b>20,212,928</b>	<b>31,469,230</b>

#### 4.3.5. Transhipped cargo

(None)

#### 4.3.6. Classification of cargo by tariff T-3 (t)

Tariff T-3	Domestic and Foreign	Local traffic	Total
Group 1	1,707,968	0	1,707,968
Group 2	8,157,858	0	8,157,858
Group 3	5,699,633	0	5,699,633
Group 4	1,635,707	0	1,635,707
Group 5	10,042,772	0	10,042,772
Facilities	4,225,293	0	4,225,293
<b>TOTAL TARIFF T-3</b>	<b>31,469,230</b>	<b>0</b>	<b>31,469,230</b>

#### 4.3.7. Classification of cargo by type (t)

Goods	Domestic			Foreign			Total		
	Loaded	Unloaded	Total	Loaded	Unloaded	Total	Loaded	Unloaded	Total
<b>ENERGY</b>	24,591	1,124,132	1,148,723	143,244	7,170,165	7,313,409	167,835	8,294,297	8,462,132
1 Crude oil	11	173	184	949	838	1,787	960	1,011	1,971
2 Fuel-oil	621	240,892	241,514	785	49,249	50,033	1,406	290,141	291,547
3 Diesel-oil	489	222,043	222,532	33,822	2,102,373	2,136,195	34,312	2,324,416	2,358,727
4 Petrol	1,341	390,934	392,275	67,295	798,508	865,803	68,636	1,189,441	1,258,078
6 Other petroleum products	3,603	816	4,419	33,687	82,253	115,940	37,290	83,069	120,359
7 Petroleum fuel gases	15,720	64,573	80,293	3,559	48,061	51,619	19,279	112,633	131,912
12 Petroleum coals and coke	2,766	280	3,046	3,147	196,171	199,318	5,912	196,451	202,363
35 Natural gas	39	204,421	204,460		3,892,714	3,892,714	39	4,097,135	4,097,174
<b>IRON AND STEEL</b>	84,916	46,960	131,877	152,257	1,046,327	1,198,584	237,173	1,093,287	1,330,461
8 Iron ore	0	5,939	5,939	295	144	439	295	6,083	6,378
11 Scrap iron	24	40,713	40,738	4,255	45,741	49,995	4,279	86,454	90,733
13 Iron and steel products	84,892	308	85,200	147,707	1,000,442	1,148,149	232,599	1,000,750	1,233,350

Goods	Domestic			Foreign			Total		
	Loaded	Unloaded	Total	Loaded	Unloaded	Total	Loaded	Unloaded	Total
<b>METALLURGY</b>	38,916	14,083	52,999	316,538	333,342	649,880	355,453	347,426	702,879
9 Pyrites			0	22	86	108	22	86	108
10 Other ores	33,673	13,974	47,647	252,894	269,420	522,314	286,567	283,394	569,961
Other 36 metallurgical products	5,243	109	5,352	63,621	63,836	127,458	68,865	63,945	132,810
<b>FERTILISERS</b>	33,900	33	33,933	226,335	28,284	254,619	260,235	28,317	288,552
14 Phosphates	5		5	245	355	600	250	355	605
15 Potashes	27,884		27,884	215,894	507	216,400	243,778	507	244,284
Natural and 16 artificial fertilisers	6,012	33	6,045	10,196	27,422	37,618	16,208	27,455	43,663
<b>CHEMICALS</b>	279,570	71,064	350,634	1,209,553	1,313,606	2,523,159	1,489,123	1,384,670	2,873,794
17 Chemical products	279,570	71,064	350,634	1,209,553	1,313,606	2,523,159	1,489,123	1,384,670	2,873,794
<b>CONSTRUCTI ON MATERIALS</b>	582,524	157,334	739,858	709,180	287,672	996,851	1,291,703	445,006	1,736,709
5 Asphalt			0	535	117	651	535	117	651
18 Cement and clinker	382,447	155,909	538,356	280,467	73,340	353,807	662,915	229,249	892,164
20 Construction materials	200,076	1,425	201,501	428,178	214,215	642,393	628,254	215,640	843,894
<b>ACRICULTUR E AND FOODS</b>	990,447	80,394	1,070,841	1,233,917	3,835,648	5,069,565	2,224,364	3,916,042	6,140,407
21 Grain and flour	26,059	464	26,523	25,441	540,337	565,779	51,500	540,801	592,301
22 Soya beans and flour	152		152	128	1,669,507	1,669,635	280	1,669,507	1,669,787
Fruits, 23 vegetables and pulses	53,389	52,362	105,750	87,514	159,683	247,197	140,902	212,045	352,947
Wines, drinks, 24 alcohol and derivatives	316,267	7,775	324,042	215,281	165,850	381,130	531,547	173,624	705,172
27 Canned food	8,780	105	8,885	83,536	88,689	172,225	92,316	88,794	181,110
Tobacco, 28 cocoa, coffee and spices	10,383	269	10,652	175,655	410,533	586,189	186,038	410,802	596,841
29 Oils and fats	11,088	445	11,533	249,839	401,929	651,769	260,928	402,374	663,301
30 Other food products	455,866	15,798	471,663	227,706	206,166	433,872	683,572	221,963	905,536
33 Frozen fish	1,164	1,799	2,962	34,426	58,551	92,977	35,590	60,350	95,940
37 Feedstuffs	107,300	1,379	108,680	134,391	134,403	268,793	241,691	135,782	377,473
<b>OTHER CARGO</b>	641,064	125,331	766,394	1,755,294	2,122,866	3,878,160	2,396,358	2,248,197	4,644,555

Goods	Domestic			Foreign			Total		
	Loaded	Unloaded	Total	Loaded	Unloaded	Total	Loaded	Unloaded	Total
19 Wood and cork	21,432	214	21,646	34,893	104,915	139,808	56,326	105,129	161,454
25 Common salt	25,842	29,958	55,800	4,621	507	5,128	30,463	30,465	60,928
26 Paper and pulp	20,762	22,031	42,793	442,833	213,826	656,659	463,595	235,858	699,452
31 Machinery, equipment, tools, spares	75,737	7,713	83,450	410,111	486,526	896,637	485,848	494,239	980,087
34 Other cargo	497,290	65,414	562,705	862,837	1,317,092	2,179,928	1,360,127	1,382,506	2,742,633
<b>SPECIAL TRANSPORT</b>	1,011,539	873,642	1,885,181	1,822,517	1,582,044	3,404,561	2,834,056	2,455,686	5,289,742
32 Automobiles and parts	106,999	18,767	125,765	573,014	307,116	880,131	680,013	325,883	1,005,896
38 Cargo truck platform tare (Ro-Ro)	590,259	549,263	1,139,521	147,655	145,811	293,466	737,913	695,074	1,432,987
39 Container tare	314,281	305,613	619,894	1,101,849	1,129,116	2,230,965	1,416,130	1,434,729	2,850,859
40 Cargo in transit containers (TIC)	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	3,687,467	2,492,973	6,180,441	7,568,835	17,719,954	25,288,790	11,256,302	20,212,928	31,469,230

#### 4.3.7.bis Classification of cargo on transit, entries and departures by sea, according to type (t)

Goods	Domestic		Foreign		Total transit
	Loaded	Unloaded	Loaded	Unloaded	
<b>ENERGY</b>	0	0	101,205	151,256	252,461
1 Crude oil			85	41	126
2 Fuel-oil			374	399	773
3 Diesel-oil			25		25
4 Petrol			86,675	136,015	222,689
6 Other petroleum products			11,128	11,691	22,819
7 Petroleum fuel gases			10	310	320
12 Petroleum coals and coke			2,909	2,799	5,709
35 Natural gas					0
<b>IRON AND STEEL</b>	0	0	40,878	38,442	79,319
8 Iron ore			77		77
11 Scrap iron			391	260	651
13 Iron and steel products			40,409	38,182	78,591

Goods	Domestic		Foreign		Total transit
	Loaded	Unloaded	Loaded	Unloaded	
<b>METALLURGY</b>	0	0	104,656	104,562	209,218
9 Pyrites					0
10 Other ores			76,934	79,214	156,148
36 Other metallurgical products			27,722	25,348	53,070
<b>FERTILISERS</b>	0	0	3,156	2,308	5,464
14 Phosphates			215	27	243
15 Potashes			18		18
16 Natural and artificial fertilisers			2,922	2,281	5,203
<b>CHEMICALS</b>	3	10	180,481	168,472	348,966
17 Chemical products	3	10	180,481	168,472	348,966
<b>CONSTRUCTION MATERIALS</b>	9	2	140,573	143,202	283,787
5 Asphalt			76	98	174
18 Cement and clinker			2,611	3,127	5,738
20 Construction materials	9	2	137,886	139,977	277,875
<b>ACRICULTURE AND FOODS</b>	80	196	527,783	503,078	1,031,137
21 Grain and flour			10,252	7,310	17,562
22 Soya beans and flour			21	21	43
23 Fruits, vegetables and pulses			70,759	72,174	142,933
24 Wines, drinks, alcohol and derivatives		9	95,233	91,942	187,184
27 Canned food			51,282	47,003	98,285
28 Tobacco, cocoa, coffee and spices			132,964	131,151	264,115
29 Oils and fats		40	25,159	21,196	46,395
30 Other food products	50	13	94,244	91,294	185,600
33 Frozen fish	11	115	32,181	24,583	56,890
37 Feedstuffs	20	20	15,687	16,403	32,130
<b>OTHER CARGO</b>	1,250	407	560,421	536,454	1,098,531
19 Wood and cork	20	1	20,052	19,816	39,888
25 Common salt			309	287	596
26 Paper and pulp	3		94,279	87,137	181,418
31 Machinery, equipment, tools, spares	154	13	106,917	110,460	217,544
34 Other cargo	1,074	393	338,864	318,754	659,086

Goods	Domestic		Foreign		Total transit
	Loaded	Unloaded	Loaded	Unloaded	
<b>SPECIAL TRANSPORT</b>	7,625	929	366,810	378,550	753,913
32 Automobiles and parts	55	350	57,666	56,374	114,445
38 Cargo truck platform tare (Ro-Ro)		87	763	68	918
39 Container tare	7,570	493	308,380	322,108	638,550
40 Cargo in transit containers (TIC)					0
<b>TOTAL</b>	<b>8,968</b>	<b>1,544</b>	<b>2,025,961</b>	<b>2,026,323</b>	<b>4,062,796</b>

#### 4.3.8. Roll-on / Roll -off traffic (t)

	Domestic	Foreign	Total
Loaded cargo			
In containers	358,039	406,730	764,769
By other means	1,613,105	886,400	2,499,505
<b>TOTAL</b>	<b>1,971,144</b>	<b>1,293,130</b>	<b>3,264,274</b>
Unloaded cargo			
In containers	82,388	273,909	356,297
By other means	616,635	678,207	1,294,843
<b>TOTAL</b>	<b>699,024</b>	<b>952,116</b>	<b>1,651,140</b>
Loaded and unloaded cargo			
In containers	440,428	680,639	1,121,067
By other means	2,229,740	1,564,607	3,794,348
<b>TOTAL</b>	<b>2,670,168</b>	<b>2,245,246</b>	<b>4,915,414</b>

#### 4.4. Local or river traffic (t)

Wharves	Total	Loaded	Unloaded
On service wharves or installations	0	0	0
On private wharves or installations	0	0	0
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>



#### 4.5. Ship supplies

Ship supplies	Tonnes
Water	140,317
Liquid fuels	247,993
Coal	0
Ice	0
Miscellaneous	0
<b>TOTAL</b>	<b>388,310</b>

#### 4.6. Fish catches

	Weight (t)	Value at 1st sale (euros)
Molluscs	126	511,047
Crustaceans	48	1,109,884
Fish	5,498	8,285,912
<b>TOTAL FRESH FISH</b>	<b>5,672</b>	<b>9,906,843</b>
Semi-cured cod	0	0
Frozen fish	0	0
<b>TOTAL FISH</b>	<b>5,672</b>	<b>9,906,843</b>

#### 4.7. Container traffic

##### 4.7.1. Container over 10 and under 20 feet

	Domestic		Foreign		Total	
	Number	Tonnes	Number	Tonnes	Number	Tonnes
<b>LOADED</b>						
Full	4	89	28	726	32	816
Empty	0	0	0	0	0	0
<b>TOTAL</b>	<b>4</b>	<b>89</b>	<b>28</b>	<b>726</b>	<b>32</b>	<b>816</b>

	Domestic		Foreign		Total	
	Number	Tonnes	Number	Tonnes	Number	Tonnes
<b>UNLOADED</b>						
Full	4	87	0	0	4	87
Empty	0	0	0	0	0	0
<b>TOTAL</b>	<b>4</b>	<b>87</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>87</b>
<b>LOADED AND UNLOADED</b>						
Full	8	176	28	726	36	902
Empty	0	0	0	0	0	0
<b>TOTAL</b>	<b>8</b>	<b>176</b>	<b>28</b>	<b>726</b>	<b>36</b>	<b>902</b>

#### 4.7.2. 20-foot containers

	Domestic		Foreign		Total	
	Number	Tonnes	Number	Tonnes	Number	Tonnes
<b>LOADED</b>						
Full	44,135	629,458	159,220	2,820,842	203,355	3,450,300
Empty	7,849	15,728	27,351	55,000	35,200	70,729
<b>TOTAL</b>	<b>51,984</b>	<b>645,186</b>	<b>186,571</b>	<b>2,875,842</b>	<b>238,555</b>	<b>3,521,028</b>
<b>UNLOADED</b>						
Full	10,275	103,141	150,648	2,629,661	160,923	2,732,802
Empty	33,997	68,167	47,174	95,348	81,171	163,514
<b>TOTAL</b>	<b>44,272</b>	<b>171,308</b>	<b>197,822</b>	<b>2,725,009</b>	<b>242,094</b>	<b>2,896,317</b>
<b>LOADED AND UNLOADED</b>						
Full	54,410	732,599	309,868	5,450,503	364,278	6,183,102
Empty	41,846	83,895	74,525	150,348	116,371	234,243
<b>TOTAL</b>	<b>96,256</b>	<b>816,494</b>	<b>384,393</b>	<b>5,600,851</b>	<b>480,649</b>	<b>6,417,345</b>

#### 4.7.3. Containers over 20-feet

	Domestic		Foreign		Total	
	Number	Tonnes	Number	Tonnes	Number	Tonnes
<b>LOADED</b>						
Full	50,349	953,313	145,737	2,814,335	196,086	3,767,648
Empty	2,149	7,837	33,528	126,992	35,677	134,829
<b>TOTAL</b>	<b>52,498</b>	<b>961,150</b>	<b>179,265</b>	<b>2,941,327</b>	<b>231,763</b>	<b>3,902,477</b>
<b>UNLOADED</b>						
Full	10,878	139,016	141,123	2,637,107	152,001	2,776,123
Empty	43,036	172,014	40,282	161,012	83,318	333,026
<b>TOTAL</b>	<b>53,914</b>	<b>311,030</b>	<b>181,405</b>	<b>2,798,118</b>	<b>235,319</b>	<b>3,109,149</b>
<b>LOADED AND UNLOADED</b>						
Full	61,227	1,092,329	286,860	5,451,441	348,087	6,543,771
Empty	45,185	179,851	73,810	288,004	118,995	467,855
<b>TOTAL</b>	<b>106,412</b>	<b>1,272,180</b>	<b>360,670</b>	<b>5,739,446</b>	<b>467,082</b>	<b>7,011,626</b>

#### 4.7.4. Total 20-feet containers and over

	Domestic		Foreign		Total	
	Number	Tonnes	Number	Tonnes	Number	Tonnes
<b>LOADED</b>						
Full	94,488	1,582,860	304,985	5,635,903	399,473	7,218,763
Empty	9,998	23,565	60,879	181,993	70,877	205,558
<b>TOTAL</b>	<b>104,486</b>	<b>1,606,426</b>	<b>365,864</b>	<b>5,817,896</b>	<b>470,350</b>	<b>7,424,321</b>
<b>UNLOADED</b>						
Full	21,157	242,244	291,771	5,266,768	312,928	5,509,012
Empty	77,033	240,181	87,456	256,359	164,489	496,540
<b>TOTAL</b>	<b>98,190</b>	<b>482,425</b>	<b>379,227</b>	<b>5,523,127</b>	<b>477,417</b>	<b>6,005,552</b>
<b>LOADED AND UNLOADED</b>						
Full	115,645	1,825,104	596,756	10,902,671	712,401	12,727,775
Empty	87,031	263,746	148,335	438,352	235,366	702,098
<b>TOTAL</b>	<b>202,676</b>	<b>2,088,850</b>	<b>745,091</b>	<b>11,341,023</b>	<b>947,767</b>	<b>13,429,873</b>

#### 4.7.4.1. 20-foot containers and over in transit

	Domestic		Foreign		Total	
	Number	Tonnes	Number	Tonnes	Number	Tonnes
<b>LOADED</b>						
Full	106	1,412	94,565	1,870,345	94,671	1,871,758
Empty	3,242	7,205	6,284	18,182	9,526	25,387
<b>TOTAL</b>	<b>3,348</b>	<b>8,617</b>	<b>100,849</b>	<b>1,888,527</b>	<b>104,197</b>	<b>1,897,145</b>
<b>UNLOADED</b>						
Full	159	1,104	93,827	1,822,132	93,986	1,823,237
Empty	23	88	10,854	35,004	10,877	35,092
<b>TOTAL</b>	<b>182</b>	<b>1,192</b>	<b>104,681</b>	<b>1,857,136</b>	<b>104,863</b>	<b>1,858,329</b>
<b>LOADED AND UNLOADED</b>						
Full	265	2,516	188,392	3,692,478	188,657	3,694,994
Empty	3,265	7,293	17,138	53,186	20,403	60,479
<b>TOTAL</b>	<b>3,530</b>	<b>9,809</b>	<b>205,530</b>	<b>3,745,664</b>	<b>209,060</b>	<b>3,755,473</b>

#### 4.7.5. Total TEU container

	Domestic		Foreign		Total	
	Number	Tonnes	Number	Tonnes	Number	Tonnes
<b>LOADED</b>						
Full	144,833	1,582,860	450,691	5,635,903	595,524	7,218,763
Empty	12,147	23,565	93,407	181,993	105,554	205,558
<b>TOTAL</b>	<b>156,980</b>	<b>1,606,426</b>	<b>544,098</b>	<b>5,817,896</b>	<b>701,078</b>	<b>7,424,321</b>
<b>UNLOADED</b>						
Full	32,031	242,244	431,192	5,266,768	463,223	5,509,012
Empty	120,068	240,181	126,685	256,359	246,753	496,540
<b>TOTAL</b>	<b>152,099</b>	<b>482,425</b>	<b>557,877</b>	<b>5,523,127</b>	<b>709,976</b>	<b>6,005,552</b>
<b>LOADED AND UNLOADED</b>						
Full	176,864	1,825,104	881,883	10,902,671	1,058,747	12,727,775
Empty	132,215	263,746	220,092	438,352	352,307	702,098
<b>TOTAL</b>	<b>309,079</b>	<b>2,088,850</b>	<b>1,101,975</b>	<b>11,341,023</b>	<b>1,411,054</b>	<b>13,429,873</b>

#### 4.7.5.1. Total TEU container in transit

	Domestic		Foreign		Total	
	Number	Tonnes	Number	Tonnes	Number	Tonnes
<b>LOADED</b>						
Full	179	1,412	142,861	1,870,345	143,040	1,871,758
Empty	3,961	7,205	11,008	18,182	14,969	25,387
<b>TOTAL</b>	<b>4,140</b>	<b>8,617</b>	<b>153,869</b>	<b>1,888,527</b>	<b>158,009</b>	<b>1,897,145</b>
<b>UNLOADED</b>						
Full	201	1,104	141,301	1,822,132	141,502	1,823,237
Empty	44	88	17,415	35,004	17,459	35,092
<b>TOTAL</b>	<b>245</b>	<b>1,192</b>	<b>158,716</b>	<b>1,857,136</b>	<b>158,961</b>	<b>1,858,329</b>
<b>LOADED AND UNLOADED</b>						
Full	380	2,516	284,162	3,692,478	284,542	3,694,994
Empty	4,005	7,293	28,423	53,186	32,428	60,479
<b>TOTAL</b>	<b>4,385</b>	<b>9,809</b>	<b>312,585</b>	<b>3,745,664</b>	<b>316,970</b>	<b>3,755,473</b>

#### 4.7.6. Good transported in container classified by type (t)

Cod Goods	Domestic			Foreign			Total		
	Loaded	Unloaded	Total	Loaded	Unloaded	Total	Loaded	Unloaded	Total
<b>ENERGY</b>	13,563	472	14,036	41,322	42,674	83,996	54,886	43,146	98,032
1 Crude oil	11	173	184	852	563	1,415	863	736	1,599
2 Fuel-oil	621		621	785	411	1,195	1,406	411	1,817
3 Diesel-oil	389		389	63	16	79	452	16	468
4 Petrol	671		671	38	21	59	709	21	730
6 Other petroleum products	3,287	19	3,306	32,885	24,825	57,710	36,172	24,844	61,016
7 Petroleum fuel gases	6,159		6,159	3,552	814	4,366	9,711	814	10,525
12 Petroleum coals and coke	2,387	280	2,667	3,147	16,025	19,171	5,534	16,305	21,839
35 Natural gas	38		38			0	38	0	38

Cod	Goods	Domestic			Foreign			Total		
		Loaded	Unloaded	Total	Loaded	Unloaded	Total	Loaded	Unloaded	Total
	<b>IRON AND STEEL</b>	50,726	35,833	86,559	117,958	262,608	380,566	168,683	298,441	467,124
8	Iron ore	0		0	77	144	221	77	144	221
11	Scrap iron	0	35,598	35,598	4,171	3,057	7,228	4,171	38,655	42,826
13	Iron and steel products	50,726	235	50,961	113,709	259,407	373,116	164,435	259,642	424,077
	<b>METALLURGY</b>	28,162	2,732	30,895	277,262	192,884	470,146	305,425	195,616	501,040
9	Pyrites			0	22	86	108	22	86	108
10	Other ores	24,236	2,625	26,861	221,787	140,045	361,832	246,023	142,670	388,693
36	Other metallurgical products	3,926	107	4,034	55,453	52,752	108,206	59,380	52,860	112,239
	<b>FERTILISERS</b>	1,977	33	2,010	10,467	8,622	19,089	12,444	8,655	21,099
14	Phosphates	5		5	220	307	527	225	307	532
15	Potashes	20		20	431	507	937	450	507	957
16	Natural and artificial fertilisers	1,953	33	1,986	9,816	7,809	17,625	11,768	7,842	19,610
	<b>CHEMICALS</b>	169,484	5,922	175,406	1,116,233	687,227	1,803,459	1,285,717	693,149	1,978,865
17	Chemical products	169,484	5,922	175,406	1,116,233	687,227	1,803,459	1,285,717	693,149	1,978,865
	<b>CONSTRUCTION MATERIALS</b>	166,639	456	167,095	405,352	211,064	616,416	571,991	211,521	783,511
5	Asphalt			0	535	117	651	535	117	651
18	Cement and clinker	53,538	18	53,556	9,068	3,148	12,216	62,607	3,166	65,773
20	Construction materials	113,100	438	113,539	395,749	207,799	603,549	508,850	208,238	717,087
	<b>AGRICULTURE AND FOODS</b>	491,769	63,066	554,835	1,005,540	1,088,212	2,093,753	1,497,309	1,151,279	2,648,588
21	Grain and flour	18,457	82	18,539	21,143	13,999	35,142	39,600	14,081	53,681
22	Soya beans and flour	152		152	128	77	205	280	77	357
23	Fruits, vegetables and pulses	20,476	49,646	70,122	85,281	127,724	213,006	105,757	177,371	283,128

Cod	Goods	Domestic			Foreign			Total		
		Loaded	Unloaded	Total	Loaded	Unloaded	Total	Loaded	Unloaded	Total
24	Wines, drinks, alcohol and derivatives	230,356	6,706	237,062	213,593	150,122	363,716	443,949	156,828	600,777
27	Canned food	8,083	94	8,177	79,803	88,622	168,426	87,886	88,716	176,602
28	Tobacco, cocoa, coffee and spices	9,961	269	10,230	174,858	410,436	585,294	184,819	410,705	595,524
29	Oils and fats	9,788	445	10,233	86,910	27,250	114,160	96,698	27,695	124,393
30	Other food products	106,291	3,001	109,292	222,385	166,740	389,125	328,676	169,741	498,417
33	Frozen fish	675	1,798	2,474	32,742	57,945	90,687	33,417	59,743	93,160
37	Feedstuffs	87,529	1,026	88,555	88,696	45,297	133,993	176,226	46,323	222,549
	<b>OTHER CARGO</b>	362,651	68,530	431,181	1,601,100	1,782,999	3,384,100	1,963,752	1,851,529	3,815,281
19	Wood and cork	7,927	154	8,081	33,742	41,997	75,739	41,669	42,151	83,820
25	Common salt	1,443		1,443	3,856	457	4,313	5,300	457	5,757
26	Paper and pulp	18,555	15,159	33,714	394,106	197,336	591,441	412,661	212,494	625,155
31	Machinery, equipment, tools, spares	59,633	4,013	63,646	383,687	438,888	822,575	443,320	442,901	886,221
34	Other cargo	275,093	49,204	324,297	785,709	1,104,322	1,890,031	1,060,802	1,153,525	2,214,328
	<b>SPECIAL TRANSPORT</b>	321,454	305,380	626,834	1,242,662	1,246,836	2,489,498	1,564,115	1,552,216	3,116,332
32	Automobiles and parts	6,529	808	7,337	144,644	117,821	262,465	151,173	118,628	269,801
38	Cargo truck platform tare (Ro-Ro)	719	44	763	1,030	70	1,101	1,750	114	1,864
39	Container tare	314,205	304,529	618,734	1,096,987	1,128,945	2,225,932	1,411,193	1,433,474	2,844,666
40	Cargo in transit containers (TIC)	0	0	0	0	0	0	0	0	0
	<b>TOTAL</b>	1,606,426	482,425	2,088,850	5,817,896	5,523,127	11,341,023	7,424,322	6,005,552	13,429,873

#### 4.8. General summary of maritime traffic

##### 4.8.1. General table number 1

Items	Toneladas	
	Partial	Totals
<b>LIQUID BULK</b>		9,515,171
Petroleum products	8,064,387	
Other liquids	1,450,784	
<b>SOLID BULK</b>	3,817,788	3,817,788
<b>GENERAL CARGO</b>	18,136,271	18,136,271
<b>LOCAL TRAFFIC</b>	0	0
<b>SHIP SUPPLIES</b>		388,310
Petroleum products	247,993	
Other	140,317	
<b>FISHING</b>	5,672	5,672
<b>TOTAL</b>	31,863,212	31,863,212

##### 4.8.2. General table number 2 (including local traffic, supplies and fishing)

Items	Tonnes
Cargo loaded	11,644,612
Cargo unloaded	20,218,600
Cargo transhipped	0
<b>TOTAL</b>	31,863,212

##### 4.8.3. General table number 3

Items	Tonnes	
	Partial	Totals
<b>FOREIGN TRADE</b>		25,288,789
Import	17,719,954	
Export	7,568,835	
Transhipment	0	
<b>DOMESTIC TRADE</b>	6,180,441	6,180,441
<b>FISHING, SUPPLIES AND LOCAL TRAFFIC</b>	393,982	393,982
<b>TOTAL</b>	31,863,212	31,863,212



#### 4.8.4. General table number 4

Items	Tonnes
Petroleum products (1)	8,312,380
Solid bulk	3,817,788
General cargo	18,136,271
Other (2)	1,596,773
<b>TOTAL</b>	<b>31,863,212</b>

(1) Includes petroleum product supplying.

(2) Covers non-petroleum liquid bulk, local traffic, fishing and non petroleum supplies.

#### 4.8.5. General table number 5

Type of traffic	Tonnes			
	Total	Loaded	Unloaded	Transhipped
Domestic and foreign	31,469,230	11,256,302	20,212,928	0
Local or river traffic	0	0	0	0
Supplies	388,310	388,310	0	0
Fishing	5,726	0	5,672	0
<b>TOTAL</b>	<b>31,863,212</b>	<b>11,644,612</b>	<b>20,218,600</b>	<b>0</b>

#### 4.9. Land traffic

Transport means for entry or exit from the port service area	Tonnes		
	Total	Discharged from vessel	Loaded on vessel
Rail	2,069,982	919,552	1,150,430
Road	21,205,966	13,151,087	8,054,878
Oil pipeline	4,130,486	4,114,421	16,065
Other means	0	0	0
<b>Subtotal</b>	<b>27,406,434</b>	<b>18,185,061</b>	<b>9,221,373</b>
No land transport	4,062,796	2,027,867	2,034,929
<b>TOTAL</b>	<b>31,469,230</b>	<b>20,212,928</b>	<b>11,256,302</b>



## **5 Use of the Port**

This chapter describes the activity at the Port of Barcelona during 2001 from a different perspective from that of the previous chapter. It offers data on the use of the many Port facilities, including the cargo loaded and unloaded on each wharf, the number of vessels entering dry dock and their tonnage, and the sum of the lengths of all vessels berthing at the Port in 2001.

## **Use of the Port**

### **Introduction**

#### **5.0. Use of wharves (T)**

##### **5.1. Basins**

##### **5.2. Pointed mooring**

##### **5.3. Berths**

##### **5.4. Area utilisation (T/day)**

##### **5.5. Mechanical shore equipment.**

###### **5.5.1. Cranes**

###### **5.5.2. Special facilities**

##### **5.6. Conveyor trucks**

##### **5.7. Conveyor belts**

##### **5.8. Mechanical shovels**

##### **5.9. Railways shunting, locomotives**

###### **5.10. Wagons**

###### **5.11. Trucks**

###### **5.12. Weighbridges**

###### **5.13. Floating cranes**

###### **5.14. Tugboats**

###### **5.15. Slipways**

###### **5.16. Floating dock**

###### **5.17. Barges**

###### **5.18. Dry dock**

## 5. Use of the Port

### 5.0. Use of wharves (t)

Wharf or berth	Loading	Unloading	Total
<b>ADOSSAT B - 01B</b>	<b>3,970</b>	<b>52,847</b>	<b>56,817</b>
Solid bulk		52,846	52,846
General cargo	3,970	1	3,971
<b>ADOSSAT C - 01C</b>	<b>835</b>	<b>0</b>	<b>835</b>
General cargo	835		835
<b>ADOSSAT D - 01D</b>	<b>148,046</b>	<b>49,716</b>	<b>197,761</b>
Solid bulk	25		
General cargo	148,021	49,716	197,736
<b>ADOSSAT E - 01E</b>	<b>21,137</b>	<b>10,054</b>	<b>31,191</b>
General cargo	21,137	10,054	31,191
<b>ALVAREZ DE LA CAMPA B - 26B</b>	<b>598,386</b>	<b>1,014,391</b>	<b>1,612,777</b>
Liquid bulk	60,366		60,366
Solid bulk	28,235	853,955	882,190
General cargo	509,786	160,436	670,222
<b>ALVAREZ DE LA CAMPA (RO-RO) - 26A</b>	<b>356,156</b>	<b>77,292</b>	<b>433,448</b>
General cargo	356,156	77,292	433,448
<b>BARCELONA (NORTH) - 18A</b>	<b>169,090</b>	<b>79,491</b>	<b>248,581</b>
General cargo	169,090	79,491	248,581
<b>BARCELONA (SOUTH) - 18C</b>	<b>284,333</b>	<b>113,348</b>	<b>397,681</b>
General cargo	284,333	113,348	397,681
<b>CONTRADIC (EAST) - 22B</b>	<b>122</b>	<b>1,486,378</b>	<b>1,486,500</b>
Solid bulk		1,470,925	1,470,925
General cargo	122	15,454	15,576
<b>CONTRADIC (NORTH) - 22A</b>	<b>437,854</b>	<b>18,677</b>	<b>456,532</b>
Liquid bulk	167,334	3,148	170,482
Solid bulk	267,628	13,505	281,133
General cargo	2,892	2,025	4,917
<b>CONTRADIC (SOUTH) - 22C</b>	<b>594,787</b>	<b>448,014</b>	<b>1,042,801</b>
Liquid bulk	18,780	29,119	47,899
Solid bulk	573,507	412,479	985,986
General cargo	2,500	6,416	8,916
<b>COSTA - 21A</b>	<b>109,473</b>	<b>70,834</b>	<b>180,307</b>
Liquid bulk	2,000	20,902	22,901
General cargo	107,473	49,932	157,406
<b>DÀRSENA INTERIOR A - 31A</b>	<b>167,833</b>	<b>92,073</b>	<b>259,906</b>

Wharf or berth	Loading	Unloading	Total
General cargo	167,833	92,073	259,906
<b>DÀRSENA INTERIOR B - 31B</b>	<b>155,037</b>	<b>29,713</b>	<b>184,750</b>
General cargo	155,037	29,713	184,750
<b>DÀRSENA SUD A - 30A</b>	<b>13,219</b>	<b>616,310</b>	<b>629,529</b>
General cargo	13,219	616,310	629,529
<b>DÀRSENA SUD B - 30B</b>	<b>29,219</b>	<b>104,466</b>	<b>133,685</b>
Solid bulk		1,271	1,271
General cargo	29,219	103,195	132,414
<b>DÀRSENA SUD C - 30C</b>	<b>93,493</b>	<b>62,844</b>	<b>156,338</b>
General cargo	93,493	62,844	156,338
<b>ESPANYA (EAST) - 15B</b>	<b>548</b>	<b>0</b>	<b>548</b>
Liquid bulk	100		100
General cargo	448		448
<b>FONDEIG SUD - 90A</b>	<b>0</b>	<b>3</b>	<b>3</b>
General cargo		3	3
<b>INFLAMABLES A - 32A</b>	<b>93,531</b>	<b>1,647,747</b>	<b>1,741,278</b>
Liquid bulk	93,531	1,648,979	1,742,510
General cargo		-1,232	-1,232
<b>INFLAMABLES B - 32B</b>	<b>2,625</b>	<b>84,759</b>	<b>87,384</b>
Liquid bulk	2,625	84,759	87,384
<b>INFLAMABLES C - 32C</b>	<b>16,593</b>	<b>558,489</b>	<b>575,081</b>
Liquid bulk	16,593	558,487	575,080
General cargo		1	1
<b>INFLAMABLES D - 32D</b>	<b>1,390</b>	<b>391,149</b>	<b>392,539</b>
Liquid bulk	1,390	384,625	386,015
General cargo		6,524	6,524
<b>INFLAMABLES E - 32E</b>	<b>3,157</b>	<b>403,493</b>	<b>406,650</b>
Liquid bulk	3,157	403,492	406,650
General cargo		1	1
<b>INFLAMABLES F - 32F</b>	<b>0</b>	<b>174,736</b>	<b>174,736</b>
Liquid bulk		174,736	174,736
<b>INFLAMABLES H - 32H</b>	<b>0</b>	<b>4,121,983</b>	<b>4,121,983</b>
Liquid bulk		4,121,970	4,121,970
General cargo		13	13
<b>LEPANT A - 27A</b>	<b>582,040</b>	<b>153,531</b>	<b>735,570</b>
General cargo	582,040	153,531	735,570
<b>LEPANT B - 27B</b>	<b>31,963</b>	<b>7,236</b>	<b>39,198</b>

Wharf or berth	Loading	Unloading	Total
General cargo	31,963	7,236	39,198
<b>LEPANT C - 27C</b>	<b>74,361</b>	<b>24,422</b>	<b>98,783</b>
General cargo	74,361	24,422	98,783
<b>MOLL 0</b>	<b>18</b>	<b>2</b>	<b>20</b>
General cargo	18	2	20
<b>OEST - 23A</b>	<b>28,074</b>	<b>142,942</b>	<b>171,015</b>
Liquid bulk	25,130		25,130
Solid bulk	810	142,601	143,412
General cargo	2,133	341	2,474
<b>PANTALÀ (PLTF. 2 NORTH) - 25B</b>	<b>0</b>	<b>334,208</b>	<b>334,208</b>
Liquid bulk		334,208	334,208
<b>PANTALÀ (PLTF. 2 SOUTH) - 25E</b>	<b>0</b>	<b>243,461</b>	<b>243,461</b>
Liquid bulk		243,461	243,461
<b>PANTALÀ (PLTF. 3 NORTH) - 25C</b>	<b>671</b>	<b>551,454</b>	<b>552,124</b>
Liquid bulk	671	551,454	552,124
<b>PANTALÀ (PLTF. 3 SOUTH) - 25D</b>	<b>0</b>	<b>564,153</b>	<b>564,153</b>
Liquid bulk		564,152	564,152
General cargo		1	1
<b>PONENT (EAST) - 20C</b>	<b>4,579</b>	<b>37,639</b>	<b>42,218</b>
General cargo	4,579	37,639	42,218
<b>PONENT (NORTH) - 20A</b>	<b>498,545</b>	<b>581,175</b>	<b>1,079,720</b>
General cargo	498,545	581,175	1,079,720
<b>PONENT (SOUTH) - 20D</b>	<b>252,920</b>	<b>177,462</b>	<b>430,382</b>
Liquid bulk		4	4
General cargo	252,920	177,458	430,378
<b>PRÍNCIP D'ESPANYA - 29A</b>	<b>1,761,945</b>	<b>1,276,289</b>	<b>3,038,233</b>
General cargo	1,761,945	1,276,289	3,038,233
<b>SANT BERTRAN - 19A</b>	<b>654,597</b>	<b>279,314</b>	<b>933,911</b>
General cargo	654,597	279,314	933,911
<b>SANT BERTRAN - 19B</b>	<b>78,905</b>	<b>33,710</b>	<b>112,615</b>
General cargo	78,905	33,710	112,615
<b>SUD (EAST) - 24B</b>	<b>3,228,092</b>	<b>3,513,158</b>	<b>6,741,250</b>
General cargo	3,228,092	3,513,158	6,741,250
<b>SUD (NORTH) - 24A</b>	<b>758,757</b>	<b>583,968</b>	<b>1,342,725</b>
General cargo	758,757	583,968	1,342,725
<b>TOTAL</b>	<b>11,256,302</b>	<b>20,212,928</b>	<b>31,469,230</b>

## 5.1. Basins

Number of anchored vessels	0
G.T. of ships anchored	0
G.T. per day of ships anchored	0

## 5.2. Pointed mooring

Number of ships moored	4
G.T. of ships moored	17,063
G.T. per day of ships moored	-

## 5.3. Berths

Number of ships berthed	8,837
Linear metres of berths (sum of ship lengths)	1,259,712
Linear metres per day of berthing	-

## 5.4. Area utilisation (t/day)

Areas	Covered	Uncovered	Total
Wharf area and others	0	2,946,070	2,946,070
<b>TOTAL</b>	0	2,946,070	2,946,070

## 5.5. Mechanical shore equipment

### 5.5.1. Cranes

Cranes	With hook or bucket	
	Hours	Tonnes
<b>FIXED OR ON RAILS</b>		
Vessel loading or unloading	2,006	367,104
Moving or lifting	-	-
<b>TOTAL</b>	2,006	367,104
<b>ON TYRES</b>		
Vessel loading or unloading	-	-
Moving or lifting	0	0
<b>TOTAL</b>	0	0

### 5.5.2. Special facilities

Facilities	Hours	Tonnes
CARGILL ESPAÑA S.A.	-	802.968
CIA VALENCIANA DE CEMENTOS PORTLAND	-	126.699
CIA. LOGISTICA DE HIDROCARBUROS S.A.	-	1.640.638
COMA Y RIBAS S.L.	-	87.628
COMERCIALIZADORA MEDITERRANEA CEMENT	-	52.846
DECAL ESPAÑA S.A.	-	1.953.251
DEMAGRISA	-	20.902
ENAGAS S.A.	-	4.097.135
ERGRANSA S.A.	-	1.540.575
H.JOSE M. MASIQUES S.A.	-	13.888
KOALAGAS S.A.	-	17.347
LOIRET AND HAENTJENS ESPAÑA, S.A.	-	14.803
MOYRESA MOLTURACION Y REFINO S.A.	-	80.776
PORTCEMEN S.A.	-	564.038
RECEPTORA DE LIQUIDOS	-	531.138
S.A. PARA LA DESCARGA DE ACEITES	-	149.031
TERMINALES PORTUARIAS S.A.	-	798.882
TERMINALES QUIMICOS S.A.	-	149.897
TRAFICO DE MERCANCIAS S.A.	-	123.513
REST	-	6.068
<b>TOTAL</b>	-	<b>12.772.024</b>

### 5.6. Conveyor trucks

Hours

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### 5.7. Conveyor belts

Hours

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## 5.8. Mechanical shovels

Hours	-
<hr/>	
5.9. Railways shunting, locomotives	
Hours	-
<hr/>	
5.10. Wagons	
No. transported wagons	-
<hr/>	
5.11. Trucks	
No. Trucks entried	-
<hr/>	
5.12. Weighbridges	
Number of weighings	-
Tonnes	-
<hr/>	
5.13. Floating cranes	
Services	-
Hours.	-
<hr/>	
5.14. Tugboats	
Services	-
Hours.	-
<hr/>	
5.15. Slipways	
Number of services	-
G.T.	-
<hr/>	
5.16 Floating dock	
Number of vessels	16
G.T.	55.143
<hr/>	
5.17. Barges	
Services	-
Hours	-
<hr/>	
5.18. Dry dock	
Number of vessels	24
G.T.	251.324
<hr/>	



## **6 Construction works**

This chapter includes the investments in construction works that were partially or completely executed in 2001 by the Barcelona Port Authority. A description of the main projects is included.

## **Travaux**

### **Introduction**

#### **6.1. Travaux terminés ou en cours d'exécution**

#### **6.2. Brève description des travaux les plus importants**

## 6.1. Work In progress or completed during the year

Application budgets	Refer. EPPE	Name of the works	Net budget approved (Euros)	Certified in origin (Euros)	Certified in year (Euros)	Location
Art 1.2	7222OP000	CONSTRUCTION OF AN ACCESS BRIDGE BETWEEN THE PONENT WHARF AND THE ADOSSAT WHARF	17,641,528.14	17,158,895.59	482,632.55	Completed
Art 1.2	7212OP012	MODIFICATION OF THE SEA DEFENCES OF THE OPENING OF THE NEW ENTRANCE MOUTH	40,267,810.39	13,973,531.43	20,097,844.77	Underway.
Art 1.2	7223OP009	SURFACING OF THE PRÍNCIP D'ESPANYA WHARF - PHASE 2	1,180,969.18	290,799.70	890,169.48	Completed
Art 1.2	7212AP000	SPECIAL PLAN AND DRAFT PLAN OF THE YARD OF THE NEW ENTRANCE MOUTH	7,212,146.26	1,081,821.80	1,658,793.40	Underway.
Art 1.2	7223OP006	ACCESS TO THE BREAKWATER	570,856.25	0.00	570,856.25	Completed
Art 1.2	7229OP002	REMODELLING OF THE SEWERAGE SYSTEM OF THE PORT - CIVIL ENGINEERING - SECTOR 6	2,185,159.51	1,202,024.21	983,135.30	Completed
Art 1.2	7223OP008	REMODELLING OF THE BOSCH I ALSINA WHARF - PHASE 1	2,581,152.90	0.00	1,622,732.68	Underway.
Art 1.2	7229OP003	REMODELLING OF THE SEWERAGE SYSTEM - CIVIL ENGINEERING - SECTORS 1 AND 2 - ESCAR	3,015,103.21	60,101.21	2,955,002.00	Completed
Art 1.2	7229OP004	REMODELLING SEWERAGE SYSTEM OF THE PORT - CIVIL ENGINEERING - SECTORS 3-4-5	5,835,689.60	3,606,072.62	2,229,616.97	Completed
Art 1.2	7229OP005	REMODELLING OF THE PORT SEWERAGE SYSTEM - MECHANICAL EQUIPMENT AND FACILITIES – SECTORS 1 TO 8	955,280.96	120,202.42	835,078.54	Completed
Art 1.2	7229OP006	REMODELLING SEWERAGE SECTORS 1 TO 8 - REMOTE CONTROL	998,973.09	0.00	998,973.09	Completed
Art 1.2	7251OP000	ACQUISITION OF A FINGER	433,930.73	0.00	433,930.73	Completed
Art 1.2	7223OP007	PREPARATION ENLARGEMENT OF THE ADOSSAT WHARF- PHASE 1	7,088,363.00	0.00	601,012.10	Underway.
Art 1.2	7213OP002	RO-RO BERTH ON INFLAMMABLES WHARF (32 A)	461,570.45	0.00	461,570.45	Completed
Art 1.2	7222OP002	DOUBLING RENFE TRACK ON PRÍNCIP D'ESPANYA WHARF	640,832.15	0.00	640,832.15	Completed

Application budgets	Refer. EPPE	Name of the works	Net budget approved (Euros)	Certified in origin (Euros)	Certified in year (Euros)	Location
Art 1.2	7212OP002	REMODELLING DIC DE L'EST BREAKWATER - PHASE 1	355,285.85	60,101.21	295,184.64	Completed
Art 1.2	7212PC001	COMPLEMENTARY PROJECT OF DEMOLITION OF PART OF THE JETTY OF THE DIC DE L'EST SEAWALL	2,656,473.50	0.00	2,656,473.50	Underway.
Art 1.2	7212PC002	COMPLEMENTARY PROJECT FOR SERVICE GALLERY ON THE LLEVANT WHARF	2,020,641.83	0.00	2,020,641.83	Underway.
Art 1.2	7222OP008	REMODELLING OF THE ACCESS TO THE BARCELONA WHARF	2,962,843.25	0.00	1,682,833.89	Underway.
Art 1.2	7212OP004	ENLARGEMENT DIC DE L'EST SEAWALL	165,088,468.77	0.00	6,611,133.15	Underway.
Art 1.2	7212OP005	SOUTH SEAWALL STRETCHES 1 AND 2	162,428,609.85	0.00	3,678,194.08	Underway.
Art 1.2	7212OP013	COASTAL CORRECTIVE MEASURES PHASE II	2,297,693.57	0.00	960,194.97	Underway.
Art 1.2	7222PC000	COMPLEMENTARY PROJECT ACCESS BRIDGE TO THE ADOSSAT WHARF	1,116,072.55	0.00	1,116,072.55	Completed
Art 1.2	7222OP005	RAIL TERMINAL IN THE INFLAMMABLES AREA	1,661,642.09	0.00	601,012.10	Underway.
Art 1.2	7212EP000	GEOTECHNICAL SURVEY OF THE NEW WHARVES AREA ENLARGEMENT	701,182.00	0.00	701,182.00	Completed
Art 1.2	7239VP000	RETURN TO THE APB OF THE OTP BUILDING	2,477,066.89	0.00	2,477,066.89	Completed
Art 1.2	7223OP035	REINFORCEMENT OF THE SURFACE ON THE PASSEIG D. GABRIEL ROCA	482,655.78	0.00	240,404.84	Underway.
Art 1.2	7212OP000	ADDITIONAL INVESTMENTS OF THE INFLAMMABLES ROCKPILE	2,507,498.89	2,026,327.73	481,171.16	Completed
Art 1.2	7299VP001	ERDF SUBSIDIES VAT PAYABLE BY APB 8%	35,579,916.58	484,877.19	3,113,471.13	Underway.
		Payment balances	838.354		7,212,952.43	
		Small-budget works			5,409,108.94	
		<b>TOTAL</b>			<b>74,719,278.56</b>	

## **6.2. Brief description of the most important works**

### **MODIFICATION OF THE ACCESS BRIDGE BETWEEN THE PONENT WHARF AND THE ADOSSAT WHARF**

This involves the construction of a bridge that will link the Ponent and Adossat wharves, crossing the existing 175 metre wide navigation canal.

It has three openings, of which the central one is mobile for port traffic.

The total length of the work is 1,100 m, and includes the two access ramps, with gradients of 6.5%. The platform of the bridge is 12 m, and includes a central driveway 7 m wide, two side lanes of 900 mm and two walkways of 1m each.

### **MODIFICATION OF THE SEA DEFENCES OF THE OPENING OF THE NEW ENTRANCE MOUTH**

The works comprise the construction of a seawall 1,500 metres long which runs parallel to the current breakwater. In a first stretch of 900 m it is made up of solid concrete blocks of up to 40 tonnes, heaped up in successive layers of rockpile. In a second stretch of 600 m it is made up of reinforced concrete caissons 35 m (long) x 19.60 m (wide) x 20 m (deep). Likewise there will be two small seawalls and the opening of the shipping channel 145 metres wide and 11.5 metres

### **SURFACING OF THE PRINCEP D'ESPANYA WHARF - PHASE 2**

The works comprise the surfacing of 84,758 square metres involving:

- .Demolition and replacement of damaged concrete surfacing.
- .Reinforcement with two layers of tarmac, the first for regularising, and the second for traffic.
- .Levelling of surface boxes and construction of new drains.

### **SPECIAL PLAN AND DRAFT PLAN OF THE YARD OF THE NEW ENTRANCE MOUTH**

The special plan of the new entrance mouth is the urban planning instrument for organising the land reclaimed from the sea as a result of the new entrance mouth and to integrate it into the urban structure of Barcelona.

The proposed regulation lays out the following actions:

- .The installation of a services area for the fishing vessels dock.
- .The creation of a civic square open to the sea as the culmination of the Promenade.
- .Building of a hotel, a leisure centre and a large parking area

### **ACCESS TO THE BREAKWATER**

This consists of creating a connection between the Passeig del Trencaones and the access road to the mobile bridge, broadening its platform, attaching a solid concrete structure with a clearance gauge varying between 2.6 and 4.1 m with a total length of 126 m.

### **REMODELLING SEWERAGE NETWORK - SECTOR 6 - CIVIL ENGINEERING**

This involves the construction of 4,823 linear metres of collectors with sections between 400 millimetres and 1,000 millimetres in diameter, 294 linear metres of impulsion tubes with sections between 110 and 200 millimetres and 2 pumping stations.

### **REMODELLING OF THE BOSCH I ALSINA WHARF PHASE I**

The works mainly consist of resurfacing the wharf using squares of basalt tarmac mix, over a surface of approximately 14,000 m<sup>2</sup>.

The walkway alongside the wharf will be surfaced with tarmac and finally, the circulation road will be widened by one metre and surfaced with a layer of tarmac to improve vehicle traffic.

## **REMODELLING SEWERAGE NETWORK - SECTORS 1 AND 2 UP TO C/ ESCAR**

This involves the construction of 4,624 linear metres of collectors with sections between 400 millimetres and 800 millimetres in diameter, 600 linear metres of impulsion tubes with sections between 110 and 200 millimetres, 5,014 metres of vacuum network and a pumping station.

The area covered by the project comprises the Adossat and Llevant wharves.

The network has been designed using 4,100 m of PVC gravity collectors with diameters between 400 and 900 mm; the disposal of waste water into a vacuum network with polyethylene tubing with diameters of 90 to 200 mm and the vacuum centre situated after its passage through the gallery under the new entrance mouth.

## **REMODELLING SEWERAGE NETWORK - SECTORS 3 - 4 AND 5 - CIVIL ENGINEERING**

This involves the construction of 7,674 m of collectors with sections of between 400 mm and 1,200 mm in diameter; 1,737 m of impulsion piping with sections of between 90 and 250 mm, and six pumping stations.

## **REMODELLING OF THE SEWERAGE SYSTEM OF THE PORT - MECHANICAL EQUIPMENT AND FACILITIES – SECTORS 1 TO 8**

This involves the installation of the mechanical equipment (vacuum and suction pumps and vacuum and impulsion pumps, valves) and the electrical installations (electrical connections, instrument panel, earthing and lighting, both interior and emergency) corresponding to 15 pumping stations and one pumping sump.

## **REMODELLING SEWERAGE SECTORS 1 TO 8 - REMOTE CONTROL**

This involves the implantation of remote stations, sensors, communications and IT systems for the remote control of the pumping stations, the operating centre and the mirror centre, electrical installation and draw stations corresponding to the civil engineering projects for remodelling the sewerage of sectors 1 to 8.

## **ACQUISITION OF A *FINGER***

This involves the building of a *finger* for passenger traffic in embarking and disembarking operations in the two passenger terminals attached to the WTCB situated on the Barcelona wharf.

The main dimensions are as follows: the finger is 18.5 m long, and is extensible to couple between the terminal and the vessel; an operating height of 11.5 m at the end of the station, and 8.5 to 14.5 at the end of the vessel.

It will also have a coupling system, fixed with the terminal and mobile with the ships, which will permit free movement and will hold the joint firm, as well as providing the conditions of comfort demanded by the passengers.

## **ENLARGEMENT OF ADOSSAT WHARF- PHASE 1**

The works comprise the surfacing of a terrace of 119,000 m<sup>2</sup> using a roadway made up of a layer of 1m thick quarry ballast, successive layers of artificial ballast and gravel - cement 550 mm thick and high-module asphalt aggregate 280 mm thick.

Finally, also included are 2,800 m of high-density polyethylene drainpiping for different services, and their corresponding surface boxes.

### **RO-RO BERTH ON THE INFLAMABLES WHARF (32 A)**

This consists of the construction of a reinforced berthing groyne with concrete submerged at -12 m, along the berthing line of the Inflammables wharf, with plant dimensions of 25 x 5 m, with two automatic fixing bollards, defences and a pedestrian walkway to connect to the wharf.

### **DOUBLING OF THE RENFE RAILWAY LINE TO THE PRÍNCEP D'ESPANYA WHARF**

This consists of the construction of a concrete branch of 750 ml gauge parallel to the one that currently runs along Príncipe d'Espanya wharf and includes 5 points and the setting up of a gate measuring 40 m.

### **REMODELLING OF THE L'EST BREAKWATER - PHASE 1**

This consists of the digging of 2 m wide and 5 m deep draining channels to dissipate storm force filled with rockpile classified from 20 to 100 Kg, laid out on the side of the wall emerging from the breakwater and of some surface boxes allowing them to be operated.

### **COMPLEMENTARY PROJECT FOR THE DEMOLITION OF A PART OF THE WALL EMERGING FROM THE EAST L'EST BREAKWATER**

The project consists of the following works:

- . Building of a roundabout on the terrace of the future breakwater
- . Building of the access ramp to the breakwater, with 4 m two lanes and a 1.5 m concrete pavement for pedestrian access.

- . Demolition of a part of the emerging wall of the l'Est breakwater and the tipping of the recoverable materials of the works on the opening of the new entrance mouth

### **COMPLEMENTARY PROJECT OF A SERVICES GALLERY ON THE LLEVANT WHARF**

The project comprises the construction of a buried steel conduit of 2.20 m in diameter and 202.75 m long. The conduit consists of three U-shaped stretches and one horizontal stretch of 175.08. Protected by 500 mm of H-200 concrete and a layer of rockpile of 0.1 to 0.3 tonnes up to a height of -11.5 m. The vertical stretches are protected by the corresponding wharves on which the access bridges are located and which simultaneously delimit the access channel to the port.

### **REMODELLING OF THE ACCESS TO THE BARCELONA WHARF**

This consists of the construction of a semi roundabout giving access to the Barcelona wharf and to the public terminal of Drassanes. This also involves traffic light regulation of the whole project with the city through the Plaça del Carbó.

### **ENLARGEMENT OF THE L'EST BREAKWATER**

The project consists of the construction of a vertical seawall 2,169 m long made up of 88 reinforced concrete caissons with dimensions of 25 x 35 x 20.6 m which are supported, subsequent to prior dredging of 5 m, in successive layers of rockpile of up to 5 tonnes at the terrace, with an emerging wall of reinforced concrete crowned at a height of +12.00.

### **SUD BREAKWATER STRETCHES 1 AND 2**

The project consists of the construction of a seawall with a total length of 4,095 m, divided into two stretches:



Stretch I: sloping seawall 2,000 m long, made up of solid concrete blocks of up to 60 tonnes, resting on which are successive layers of rockpile with an emerging wall of solid concrete with variable crowning. It also involves the building of a 50 ha enclosure, using rockpiles of up to 6 tonnes, to dump material from the river Llobregat diversion works and the dredging of part of the future dock.

Stretch II: vertical seawall 2,095 m long made up of 58 caissons measuring 35.80 x 24.44 x 18 m supported, after prior dredging and subsequent filling with ballast 3 m deep, to a stone rockpile terrace of up to 4 tonnes and with an emerging wall of reinforced concrete crowned at + 11m.

## **COASTAL CORRECTIVE MEASURES - PHASE II**

This consists of the creation of a new beach area measuring some 11 ha, running 900 m along the coastline between the La Ricarda lagoon and the la Bunyola and Sabogal canals, involving 500,000 m<sup>3</sup> of sand. The sand mainly comes from the dredging works in the area between the current and future mouth of the Llobregat.

The beach will be stabilised through the building of a 290 m long seawall perpendicular to the coast made up of rockpile of up to 5 tonnes.

## **COMPLEMENTARY PROJECT ACCESS BRIDGE TO THE ADOSSAT WHARF**

In order to fully integrate the bridge with the port, both as regards the operating conditions and the preventive and corrective maintenance, various additional actions have been deemed

These are basically:

- . Building of new electrical connections on the Ponent and Adossat wharf.
- . Access walkway to the dock piles of the bridge
- . Railings and access steps to the area of lifting signs and mechanisms, and access steps to the defences.
- . Drainage channels for the connection of the lifting mechanisms and the control centre through the APB's fibre optic network
- . Ornamental lighting of the bridge
- . Wedging of the piles of the curved part of the viaduct of the Adossat wharf
- . Provisional roundabout for connection with the seawall promenade
- . Solar powered reflective LED signs to indicate the gauge to sea traffic
- . Rainwater interceptors at the foot of the two access ramps to the bridge
- . Furniture for the control cabin

## **RAIL TERMINAL ON THE INFLAMABLES AREA**

This involves the construction of three concrete tracks of 700 m each, including the necessary points to for access to the line, a 5.70 m wide lane running alongside the tracks, and the lighting of the area.

## **GEOTECHNICAL SURVEYS OF THE NEW WHARVES IN THE ENLARGEMENT AREA**

In order to complete the information obtained in previous studies, characterise terrain and obtain a more exact idea of the parameters necessary to design the new wharves, the following surveys have been carried out:

Perforation of 13 probes with recovery of cores for the preparation of stratigraphic columns as descriptive as possible and extraction of unaltered samples for laboratory testing.

11 static penetration tests with measuring of interstitial pressure variation (*deep water table measurements* or CPTU) and dissipation assays at the clay levels.

29 *in situ* vane tests at the clay levels to determine the cutting resistance without drainage.

## **RETURN TO THE APB OF THE OTP BUILDING**

The investment consists of the refurbishing for subsequent use through subletting to third parties, of a part of the old OTP building, which consists of five floors (ground floor and four storeys) with a total developed area of 3,928.35 m<sup>2</sup> and a total working area of 2,944.25 m<sup>2</sup>. The ground floor will be used for commercial activities and restaurants, and the remaining floors for administrative purposes.

## **REINFORCEMENT OF THE SURFACE OF THE PASSEIG D. GABRIEL ROCA**

This consists of reinforcing road surface over 780 l m using 300 mm of artificial ballast and 100 mm of aggregate, plus a transit layer of 60 mm of aggregate and a pedestrian pavement of 1,850 l m.

## **ADDITIONAL INVESTMENTS ON THE INFLAMMABLES SEAWALL**

This involves the construction of five 1,600 mm diameter pipes buried in the terrace and of approximately 390 m.

There will be a junction pool at the side of the newly built breakwater and the seawall will be crossed under sea level with six 1,600 mm diameter polyethylene tubes.

The amount given corresponds to the financial participation of the APB in line with the agreement signed with ENAGAS.

According to the agreement between the APB and ENAGAS, the optional management of the works corresponds to ENAGAS and the APB provides 44.36% of the budget for the works.