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LLOYD'S  
**Maritime Atlas**

OF WORLD PORTS AND SHIPPING PLACES









LLOYD'S  

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**MARITIME ATLAS**

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OF WORLD PORTS AND SHIPPING PLACES

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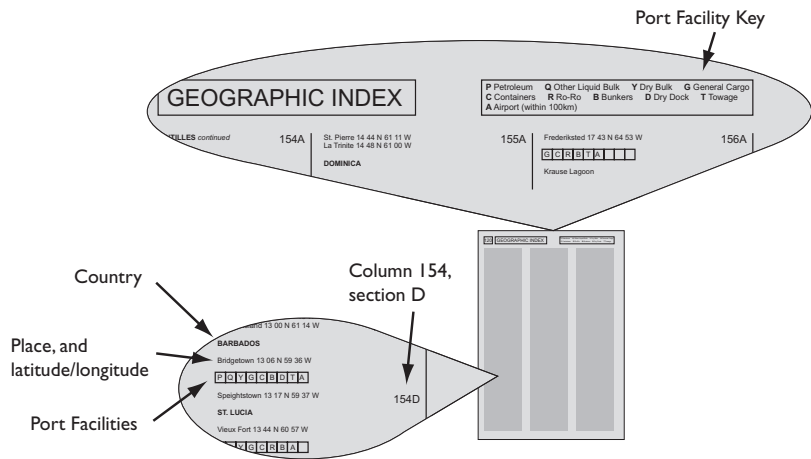
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**GEOGRAPHICAL INDEX**

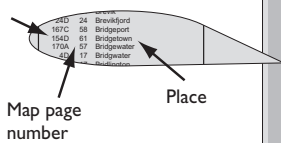
This index helps you find ports and places according to their geographic proximity. The index begins with London, and follows the coastlines of the world in a spiral, incorporating all islands and ending in Canada. The world map below shows the route this index takes.

The geographical index gives detailed information for all port facilities, as well as the latitude and longitude (latitude for North and South of the equator, and longitude for East and West of the Greenwich Meridian Line).

The geographical index is arranged in columns which are divided into four sections, marked A-D. The column/section reference is used by the alphabetical index to cross-refer to the correct listing in the geographical index (see below).



Cross-reference to the geographical index, column 154, section D



**ALPHABETICAL INDEX**

Look up a place in the Alphabetical Index. This will show the column and section reference to the listing in the geo index. It also shows the page number to the map on which the place is featured.

**The Course Of The Geographical Index**





## LLOYD'S MARITIME ATLAS OF WORLD PORTS AND SHIPPING PLACES

### SYMBOLS

|                              |  |
|------------------------------|--|
| International Airport        |  |
| Motorway                     |  |
| Port                         |  |
| Anchorage/Roadstead Port     |  |
| Offshore Terminal            |  |
| Oil Field in Production      |  |
| Gas Field in Production      |  |
| Oil Pipeline                 |  |
| Gas Pipeline                 |  |
| Pipeline Landfall            |  |
| Research Station (Antarctic) |  |
| Capital City                 |  |
| Major City or Town           |  |
| Major Road                   |  |
| Railway                      |  |
| International Boundary       |  |
| State/Province Boundary      |  |
| Median Line                  |  |
| International Dateline       |  |
| River                        |  |
| Seasonal River               |  |
| Seasonal Lake                |  |
| Limit of Permanent Pack Ice  |  |
| Ice Shelf                    |  |
| Canal                        |  |
| Lock (Panama Canal)          |  |
| Dam/Barrage                  |  |
| Area Covered by Inset        |  |

### LETTERING

|                          |                          |
|--------------------------|--------------------------|
| Port, Major City or Town | Rotterdam                |
| Capital City             | LONDON                   |
| Country                  | UNITED KINGDOM           |
| Dependency / Territory   | Society Islands (FRANCE) |
| State / Province         | CALIFORNIA               |
| Ocean                    | ATLANTIC OCEAN           |
| Sea                      | Caribbean Sea            |
| River, Canal             | Thames                   |
| Physical Feature         | Land's End               |
| Island                   | Jersey                   |

### ABBREVIATIONS

|     |   |                    |
|-----|---|--------------------|
| loa | — | Length Overall     |
| N/A | — | Not Applicable     |
| Km  | — | Kilometres         |
| Nm  | — | Nautical Miles     |
| dwt | — | Deadweight Tonnage |

### GLOSSARY

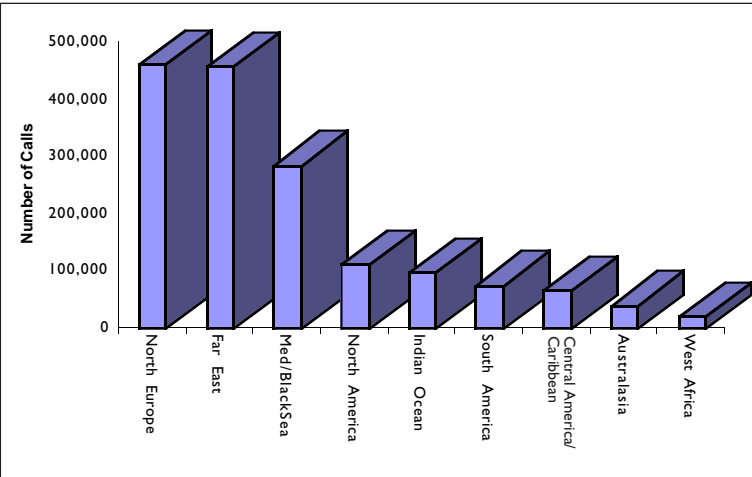
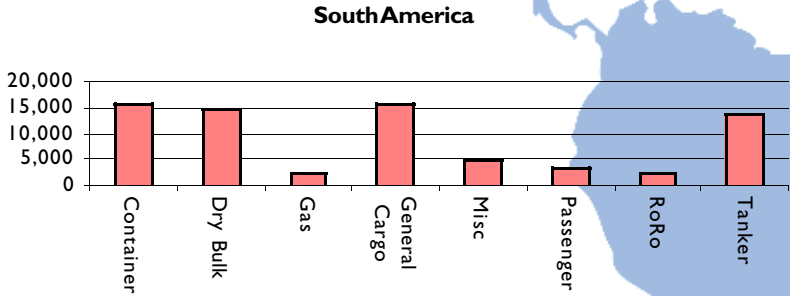
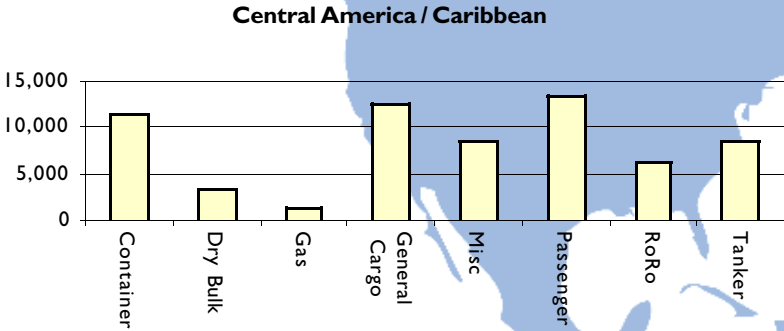
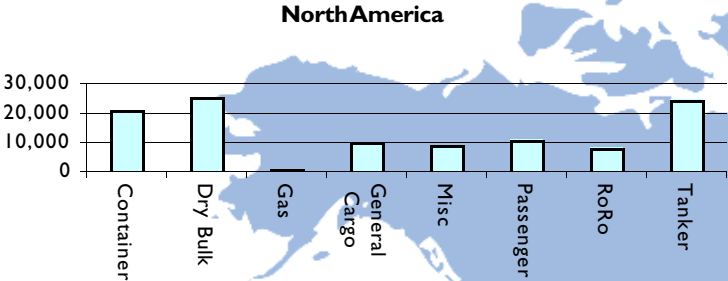
- Beam ..... Overall vessel width.
- Draught ..... Vertical distance between a vessel's lowest point and adjacent sea level.
- Air Draught ..... Vertical distance between a vessel's highest point and adjacent sea level.
- Seasonal Draught ..... Variations in draught according to season and geographical region.
- Elevation ..... Height above mean sea level.

Ports in **bold type** on regional distance tables are included on the World Distance Table. All distances are in Nautical Miles, except on Fact Panels where kilometres are also provided where relevant.

Scale varies between each individual map and is indicated on the appropriate scale bar.

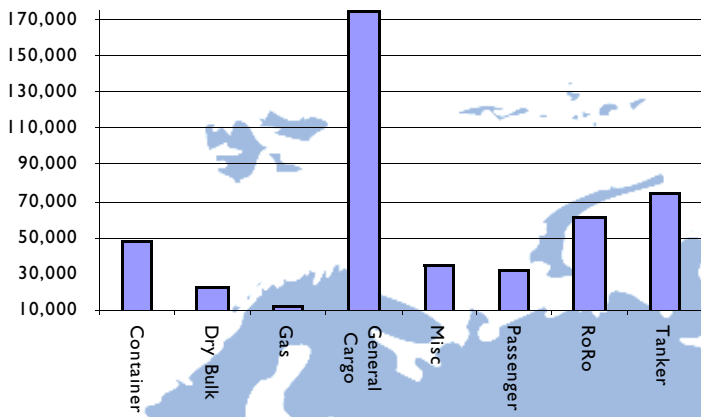
Lloyd's MIU Consultancy has compiled the following global statistics, examining the movements of the merchant fleet and detailing some findings by vessel category where significant. The data is sourced from the Lloyd's MIU database. For any statistical or research enquiries please email consultancy@lloydsmiu.com

Port Calls By Region 2004

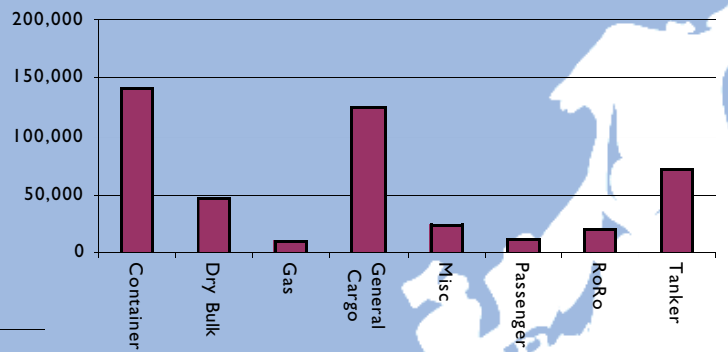


| Calls By Region 2004      | No.Calls         |
|---------------------------|------------------|
| North Europe              | 461,490          |
| Far East                  | 458,521          |
| Med/Black Sea             | 284,924          |
| North America             | 110,881          |
| Indian Ocean              | 96,482           |
| South America             | 74,648           |
| Central America/Caribbean | 66,347           |
| Australasia               | 39,981           |
| West Africa               | 21,048           |
| <b>Total</b>              | <b>1,614,322</b> |

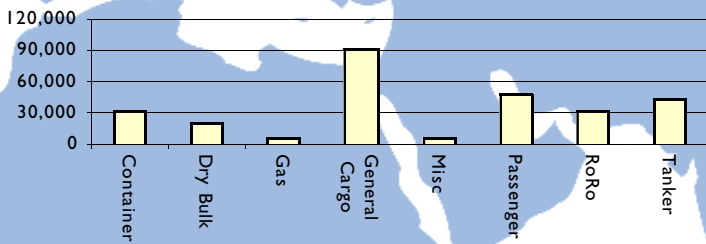
### North Europe



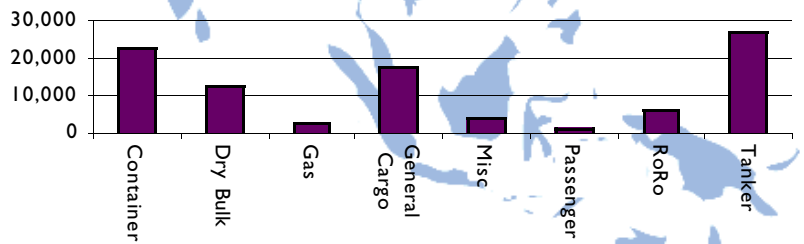
### Far East



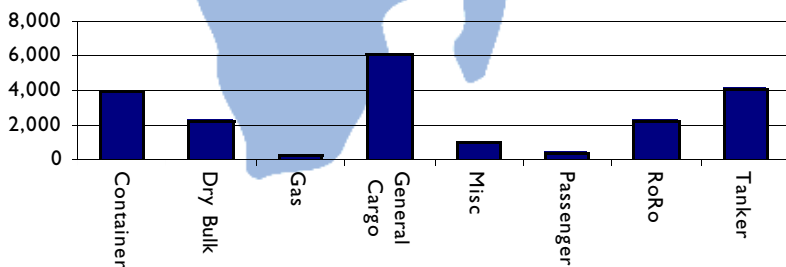
### Mediterranean /BlackSea



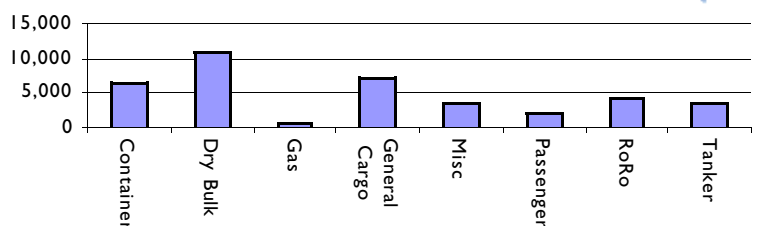
### Indian Ocean



### West Africa



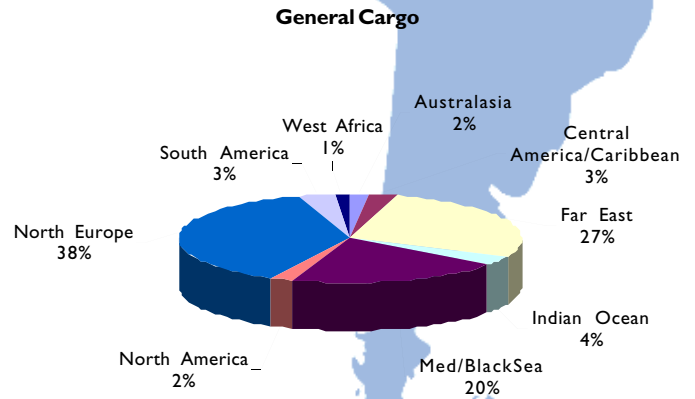
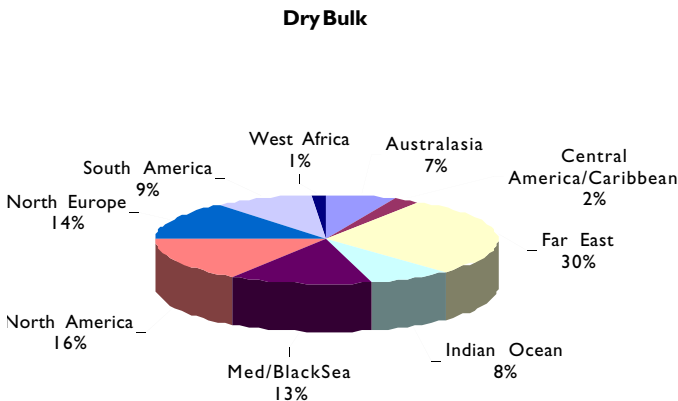
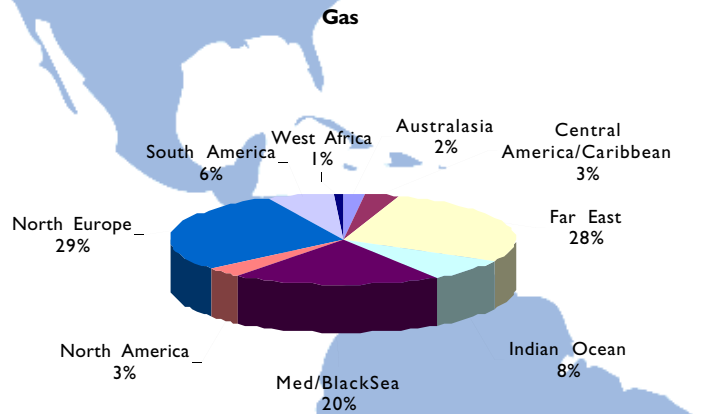
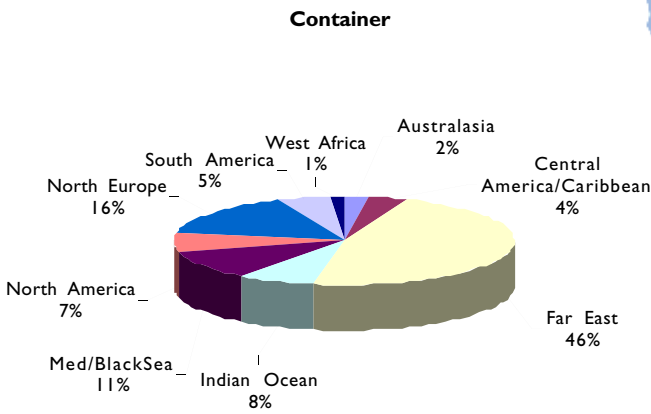
### Australasia





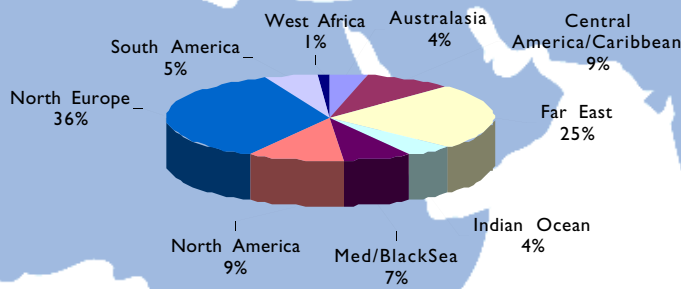
**Calls By Region and Vessel Type 2004**

|               | <b>Australasia</b> | <b>Central America<br/>Caribbean</b> | <b>Far East</b> | <b>Indian Ocean</b> |
|---------------|--------------------|--------------------------------------|-----------------|---------------------|
| Container     | 6,758              | 11,611                               | 143,193         | 23,043              |
| Dry Bulk      | 10,876             | 3,375                                | 46,848          | 12,925              |
| Gas           | 819                | 1,351                                | 11,247          | 3,117               |
| General cargo | 7,426              | 12,767                               | 126,564         | 17,803              |
| Miscellaneous | 3,509              | 8,601                                | 25,146          | 4,153               |
| Passenger     | 2,377              | 13,631                               | 12,124          | 1,420               |
| Ro Ro         | 4,375              | 6,407                                | 20,394          | 6,536               |
| Tanker        | 3,841              | 8,604                                | 73,005          | 27,485              |

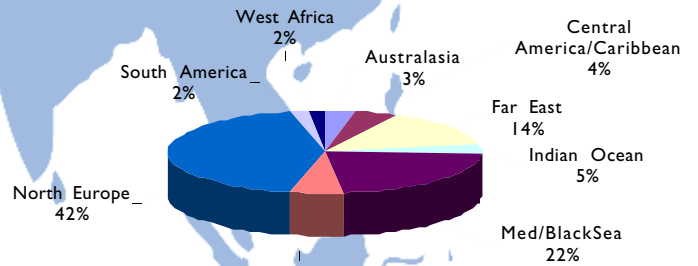


| Mediterranean Black Sea | North America | North Europe | South America | West Africa |
|-------------------------|---------------|--------------|---------------|-------------|
| 32,439                  | 20,575        | 48,234       | 15,870        | 3,952       |
| 21,539                  | 25,777        | 22,908       | 14,870        | 2,362       |
| 7,955                   | 1,278         | 12,025       | 2,412         | 378         |
| 93,179                  | 10,275        | 174,575      | 16,043        | 6,142       |
| 6,718                   | 9,258         | 35,250       | 5,268         | 1,135       |
| 47,990                  | 10,925        | 31,846       | 3,446         | 533         |
| 31,496                  | 7,959         | 61,435       | 2,770         | 2,382       |
| 43,608                  | 24,834        | 75,217       | 13,969        | 4,164       |

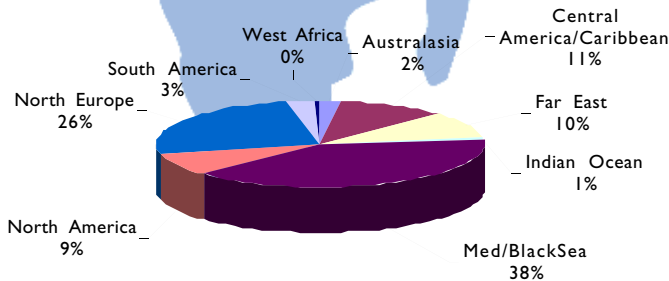
### Miscellaneous



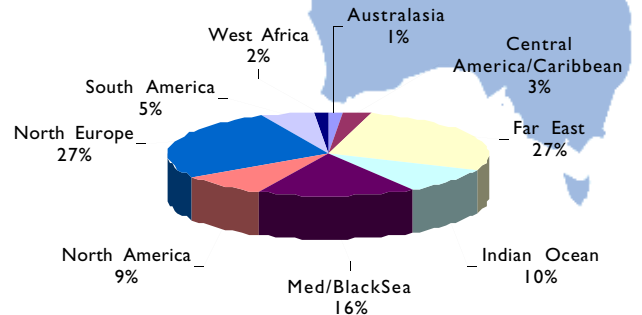
### RoRo



### Passenger

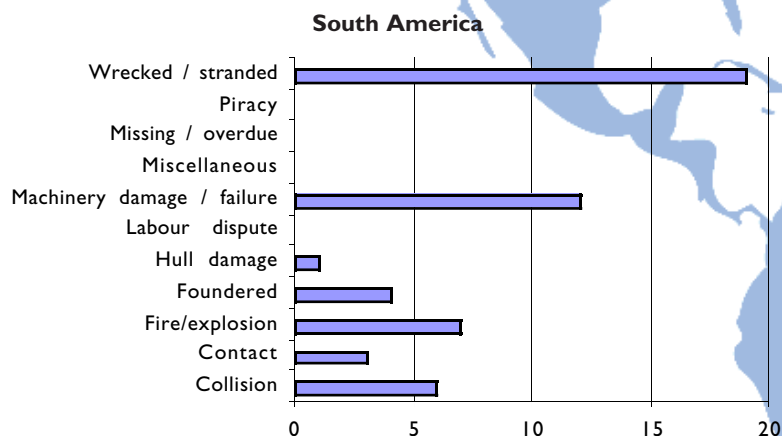
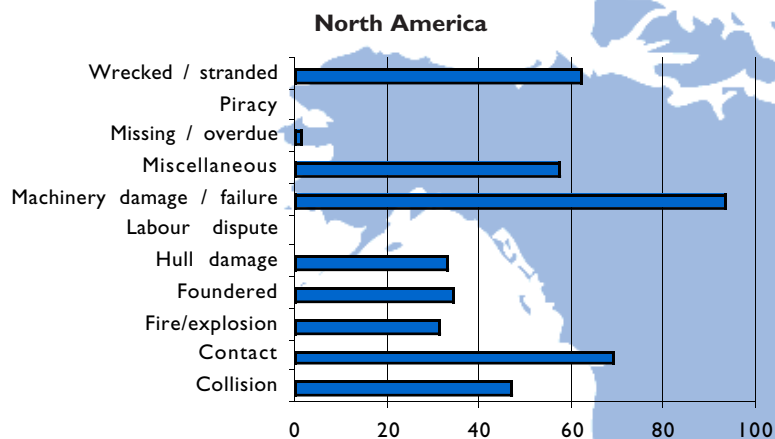


### Tanker

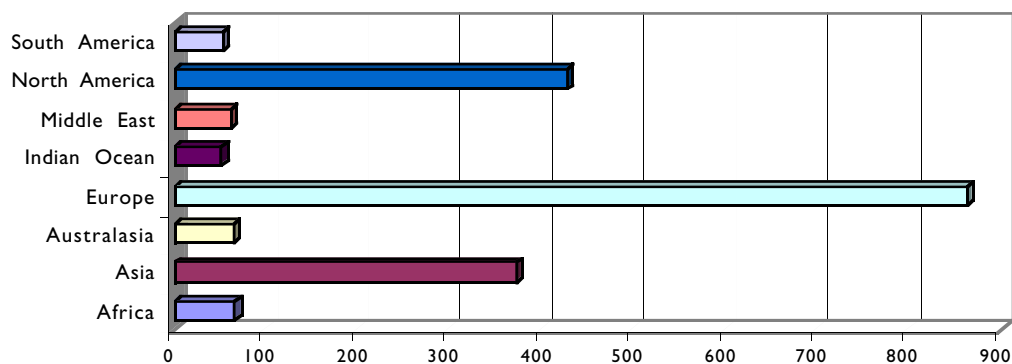


In 2004 there were 2,033 reported casualty incidents worldwide, a 5% increase on 2003. Over 40% of incidents occurred in European waters, reflecting the high level of vessel activity in this part of the world. Most of these incidents (65%) involved machinery failure, collision or stranding. Machinery failure was also the single largest cause of casualty incidents worldwide, accounting for 25% of cases.

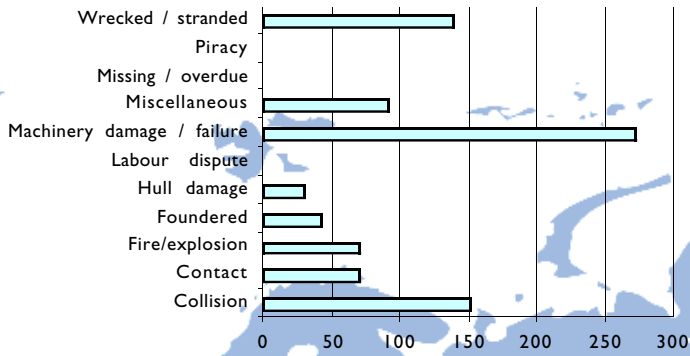
## Marine Casualties throughout 2004



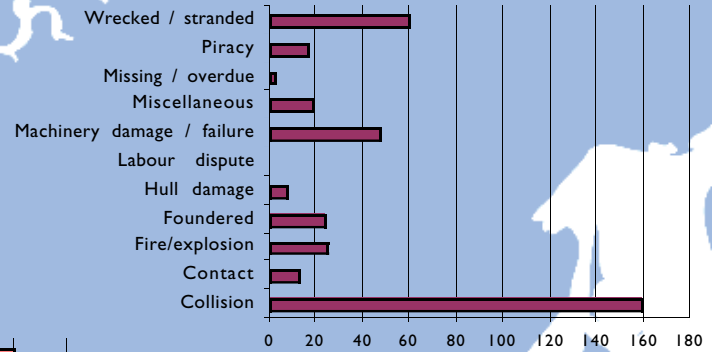
## Casualties By Region 2004



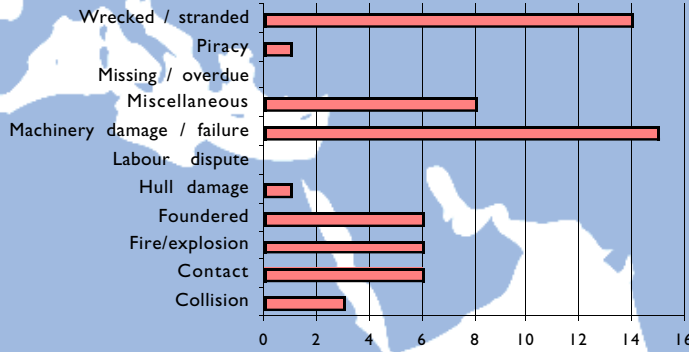
## Europe



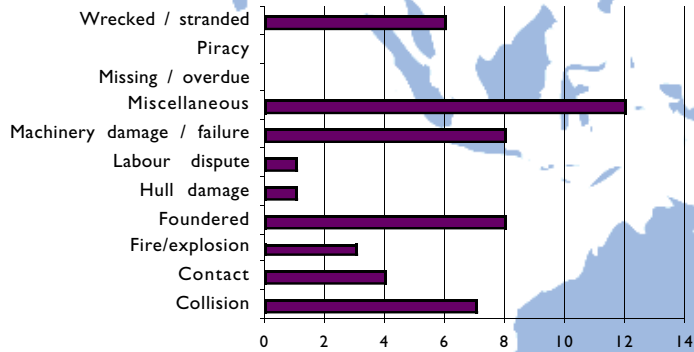
## Asia



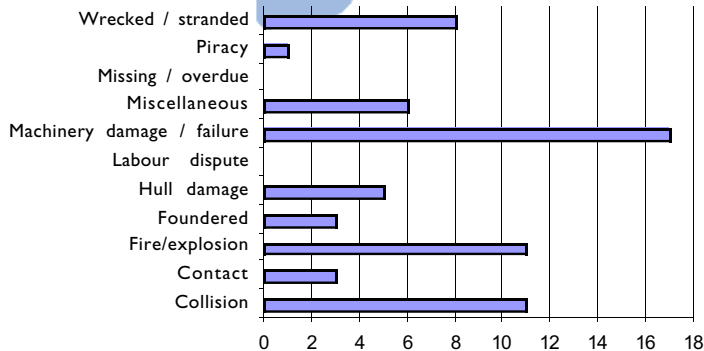
## Middle East



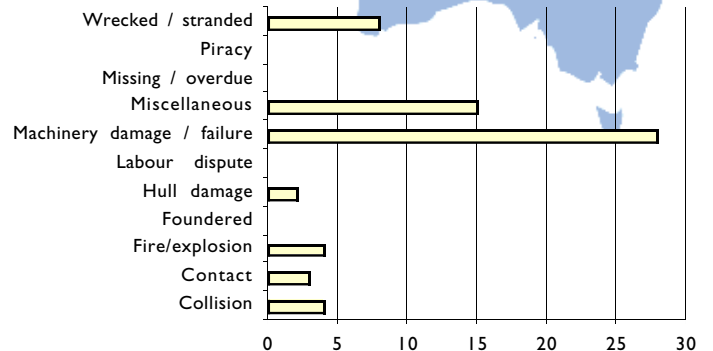
## Indian Ocean



## Africa

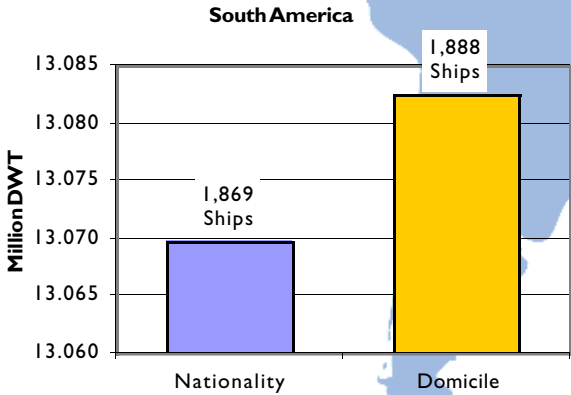
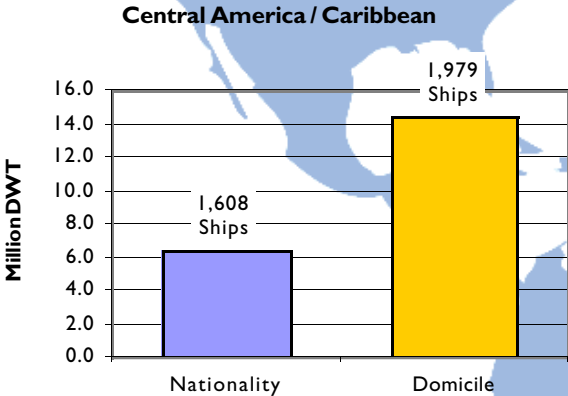
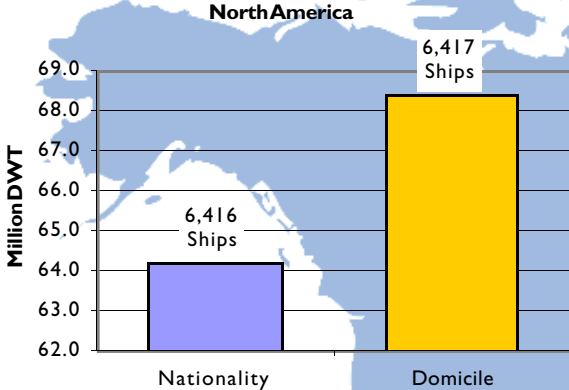


## Australasia

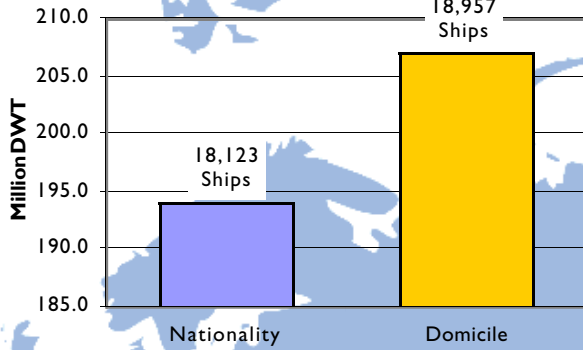


These charts identify the ownership, nationality and place of domicile of owners of the world merchant fleet broken down by region.

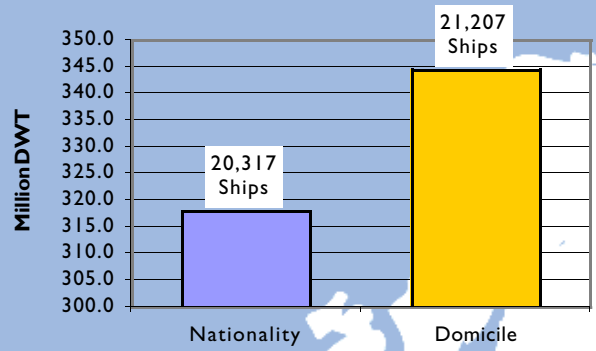
## Ownership, nationality and place of domicile 2004



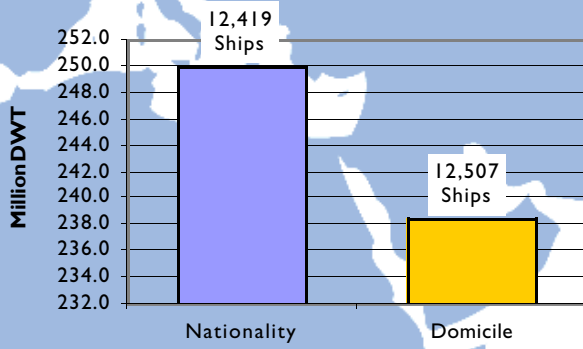
### North Europe



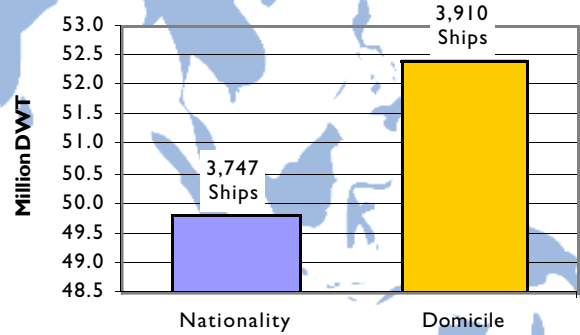
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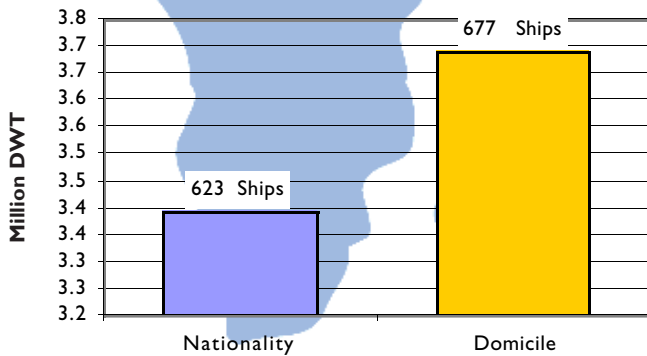
### Mediterranean / Black Sea



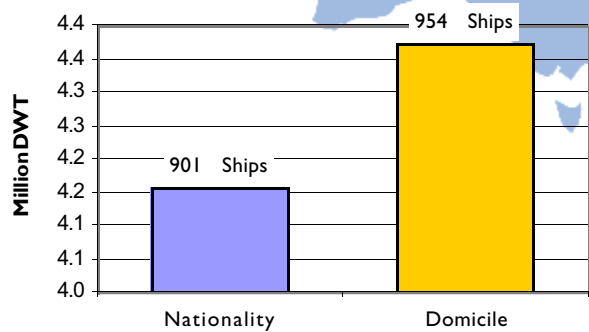
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### West Africa



### Australasia



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LLOYD'S  
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Welcome to the fully revised 23rd edition of Lloyd's Maritime Atlas - your reference to the world's ports and shipping places. In this edition we have completely reviewed and updated all the maps and places, to show all changes to port names, country names and borders. New in this edition is a FREE electronic version of the atlas on CD for greater portability. Also new is the statistical section at the front of the atlas, provided by the consultancy division of Lloyd's Marine Intelligence Unit, to give a global snapshot of the commercial fleet in terms of its movements, characteristics and casualties.

This atlas, which is the oldest and most distinguished maritime atlas being published today, has a unique indexing system designed for two models of enquiry. You can look up a place using either the alphabetical index or the geographical index. A userguide on page ii explains in detail how to use the geographical index, suffice to say that it enables you to search the ports and places in the index by geographical proximity. Of course, the alphabetical index provides the standard indexing model if preferred.

As well as the world maps, ocean maps, and regional maps in this atlas, there are larger scale detail maps for the busiest shipping areas. With full-colour used throughout, these clear and concise proprietary maps have been designed to ensure Lloyd's Maritime Atlas provides a comprehensive and user-friendly reference to all the world's commercial ports, as well as many smaller ports and shipping places.

In this atlas you will find precise latitude/longitude co-ordinates, major canals and river systems, weather conditions, load line zones, major road and rail links and international airports, world and regional distance tables. This edition has had 10 more ports added to the regional maps, and 152 port places added to the geographical index.

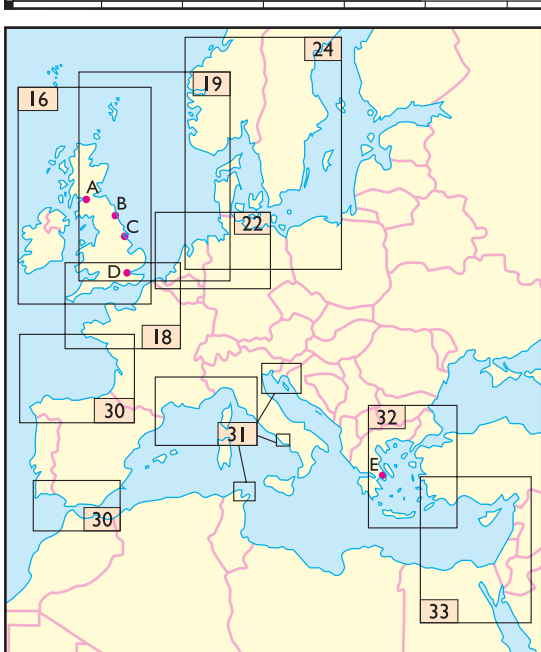
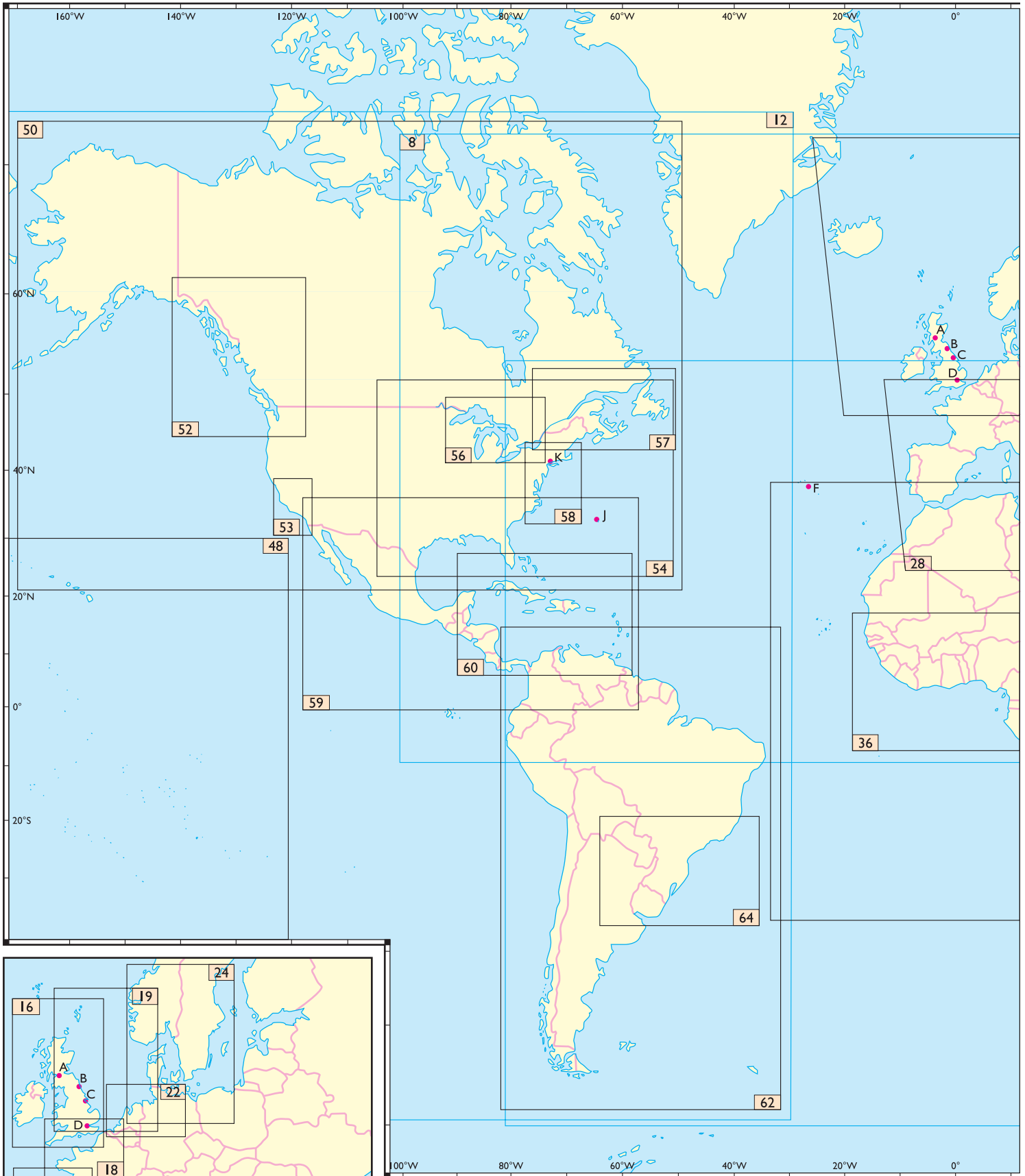
If you require detailed port information, Lloyd's Maritime Atlas has been designed to be used in conjunction with its companion product, Lloyd's List Ports of the World. Cross-referencing to the ports listed there will provide extremely detailed information on individual ports, including facilities and services. Lloyd's List Ports of the World is also available as a web-based service via [www.lloydsports.com](http://www.lloydsports.com) - you can buy Lloyd's List Ports of the World from [www.lloydsmiu.com](http://www.lloydsmiu.com)

We are always looking to improve the quality of Lloyd's Maritime Atlas, and welcome any comments. If you would like to contact us, please email [enquiries@lloydsmiu.com](mailto:enquiries@lloydsmiu.com)

Julio Espin-Digon  
Managing Director  
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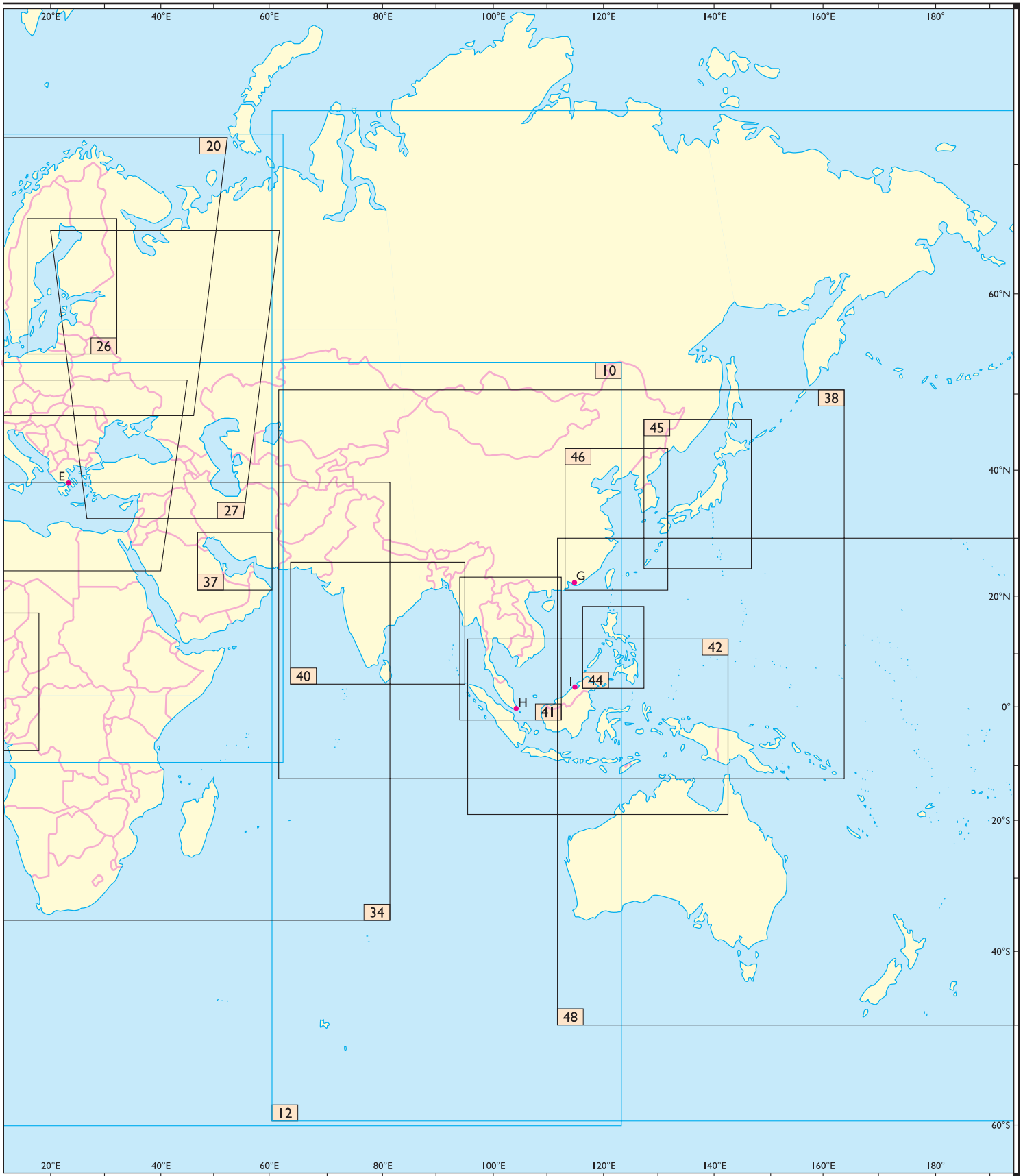
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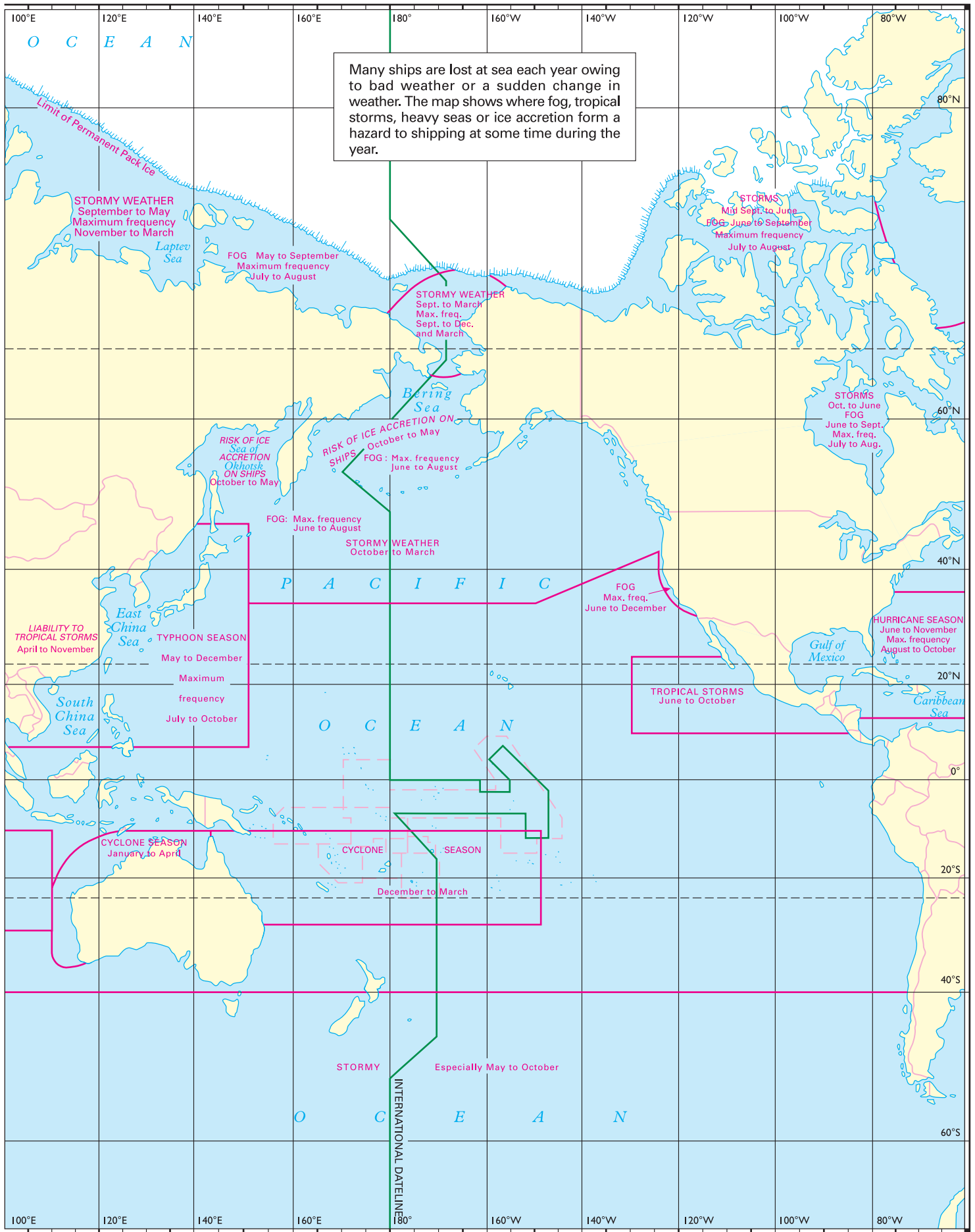
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|-------------------------------------|----|
| Weather Hazards at Sea .....        | 4  |
| International Load Line Zones ..... | 6  |
| North Atlantic Ocean .....          | 8  |
| Atlantic and Indian Oceans .....    | 10 |
| Pacific Ocean .....                 | 12 |
| Arctic .....                        | 14 |
| Antarctic .....                     | 15 |



Time difference in hours from GMT at 15° intervals

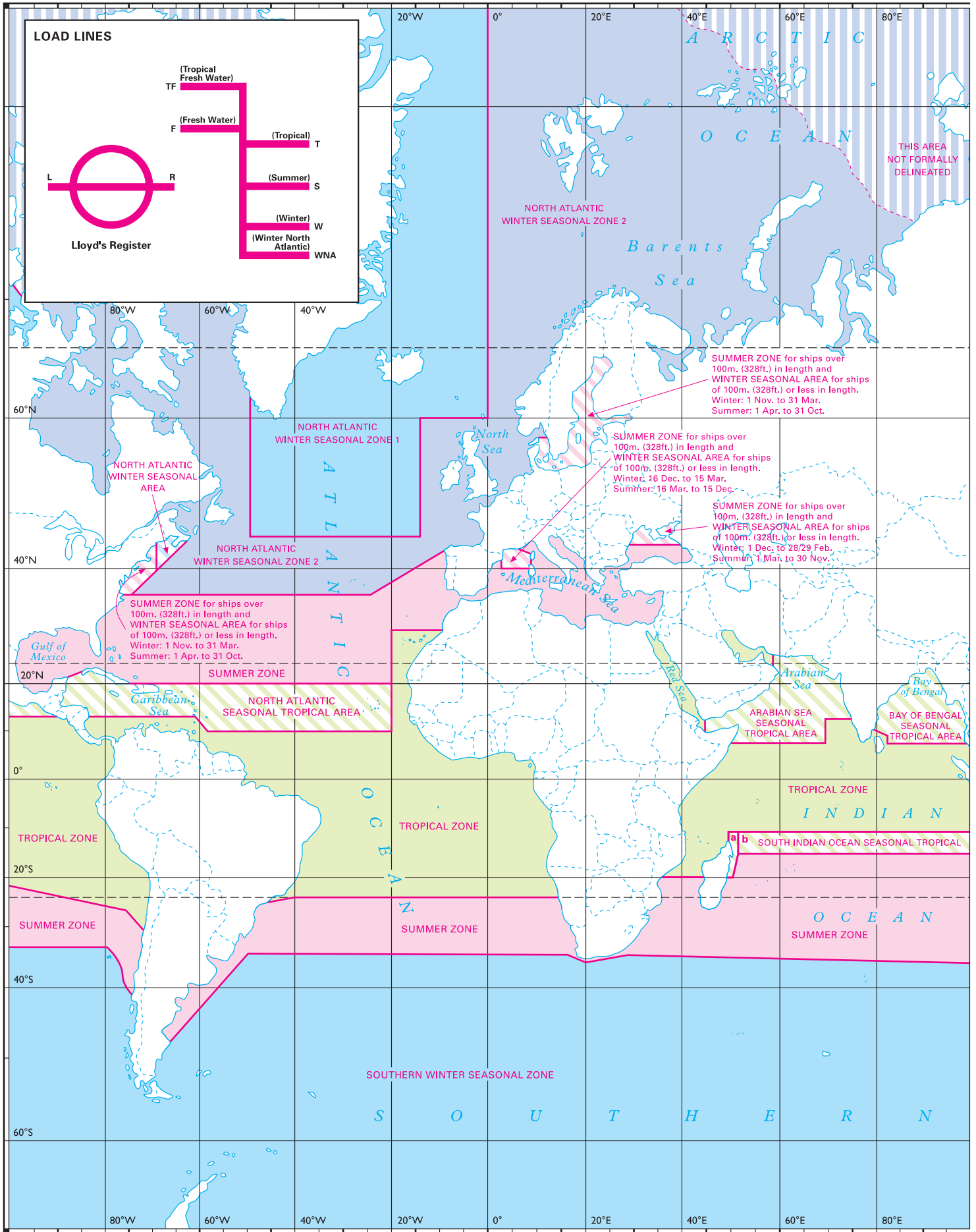
|    |    |    |    |    |    |     |    |    |    |    |    |    |
|----|----|----|----|----|----|-----|----|----|----|----|----|----|
| -6 | -5 | -4 | -3 | -2 | -1 | GMT | +1 | +2 | +3 | +4 | +5 | +6 |
|----|----|----|----|----|----|-----|----|----|----|----|----|----|



Time difference in hours from GMT at 15° intervals

|    |    |    |     |     |     |     |     |    |    |    |    |    |
|----|----|----|-----|-----|-----|-----|-----|----|----|----|----|----|
| +7 | +8 | +9 | +10 | +11 | ±12 | -11 | -10 | -9 | -8 | -7 | -6 | -5 |
|----|----|----|-----|-----|-----|-----|-----|----|----|----|----|----|

# 6 INTERNATIONAL LOAD LINE ZONES



Time difference in hours from GMT at 15° intervals

|    |    |    |    |    |    |     |    |    |    |    |    |    |
|----|----|----|----|----|----|-----|----|----|----|----|----|----|
| -6 | -5 | -4 | -3 | -2 | -1 | GMT | +1 | +2 | +3 | +4 | +5 | +6 |
|----|----|----|----|----|----|-----|----|----|----|----|----|----|

**LOAD LINE ZONES AND SEASONAL AREAS**

**WINTER SEASONAL ZONES**  
 NORTH ATLANTIC ZONE 1 & NORTH PACIFIC ZONE  
 16 October-15 April (Winter)  
 16 April-15 October (Summer)  
 SOUTHERN ZONE  
 16 April-15 October (Winter)  
 16 October-15 April (Summer)

**NORTH ATLANTIC WINTER SEASONAL ZONE 2**  
 1 November-31 March (Winter)  
 1 April-31 October (Summer)

**NORTH ATLANTIC WINTER SEASONAL AREA**  
 Ships over 100m. (328ft.) in length:  
 16 December-15 February (Winter)  
 16 February-15 December (Summer)  
 Ships of 100m. (328ft.) or less in length:  
 1 November-31 March (Winter)  
 1 April-31 October (Summer)

**SUMMER ZONES**

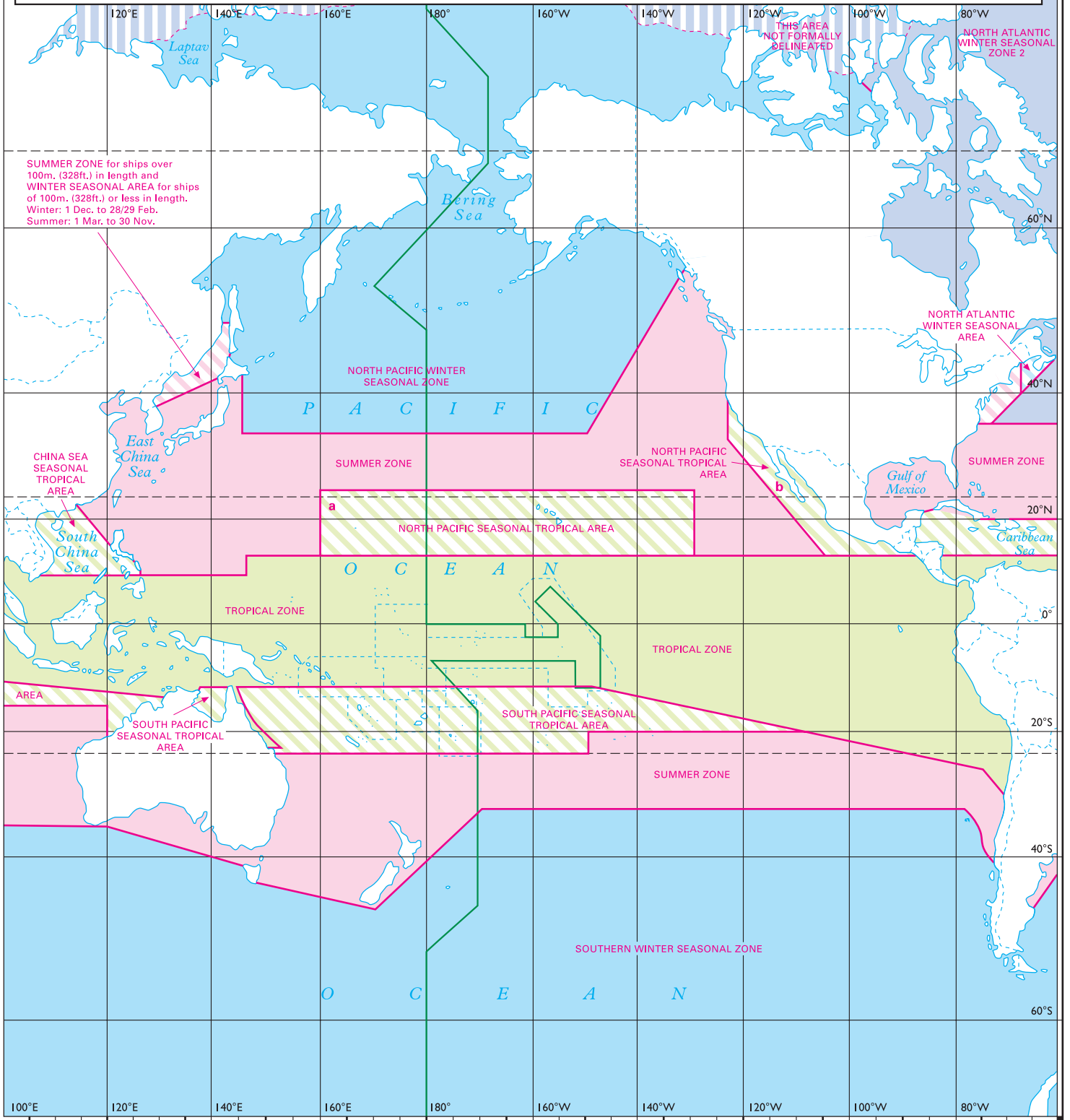
**SEASONAL SUMMER ZONES**  
 Ships over 100m. (328ft.) in length:  
 as Summer Zones  
 Ships of 100m. (328ft.) or less in length:  
 as Winter Seasonal Areas

**TROPICAL ZONES**

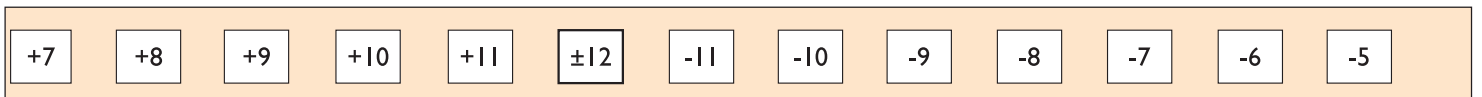
**SEASONAL TROPICAL AREAS**  
 NORTH ATLANTIC  
 1 November-15 July (Tropical)  
 16 July-31 October (Summer)  
 ARABIAN SEA  
 1 September-31 May (Tropical)  
 1 June-31 August (Summer)  
 BAY OF BENGAL  
 1 December-30 April (Tropical)  
 1 May-30 November (Summer)  
 CHINA SEA  
 21 January-30 April (Tropical)  
 1 May-20 January (Summer)

**SOUTHERN INDIAN OCEAN**  
 a: 1 April-30 November (Tropical)  
 1 December-31 March (Summer)  
 b: 1 May-30 November (Tropical)  
 1 December-30 April (Summer)  
**NORTH PACIFIC**  
 a: 1 April-31 October (Tropical)  
 1 November-31 March (Summer)  
 b: 1 March-30 June (Tropical)  
 1 July-31 October (Summer)  
 1 November-30 November (Tropical)  
 1 December-28/29 February (Summer)  
**SOUTH PACIFIC**  
 1 April-30 November (Tropical)  
 1 December-31 March (Summer)

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Time difference in hours from GMT at 15° intervals











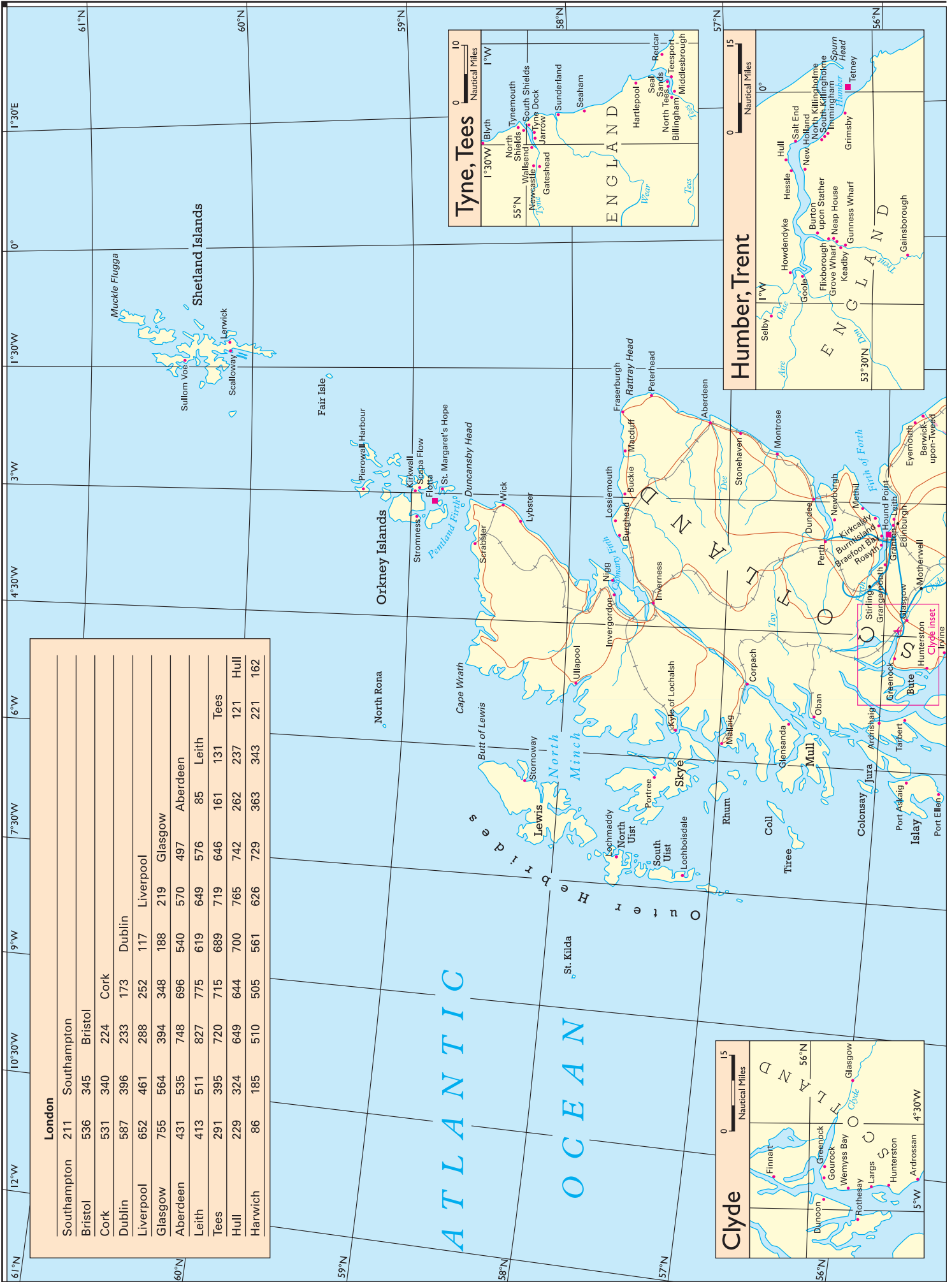




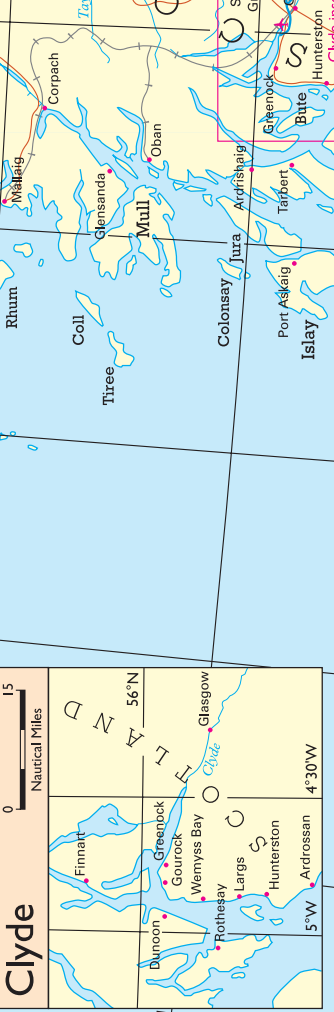
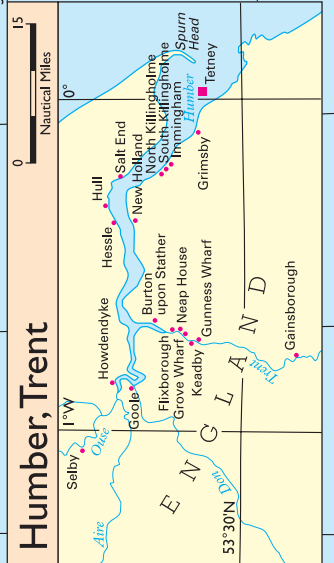
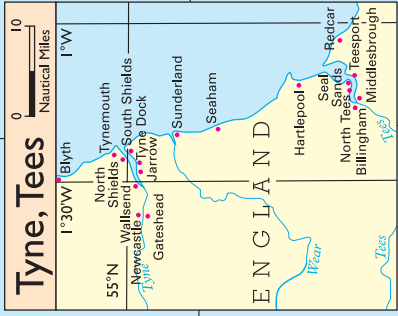






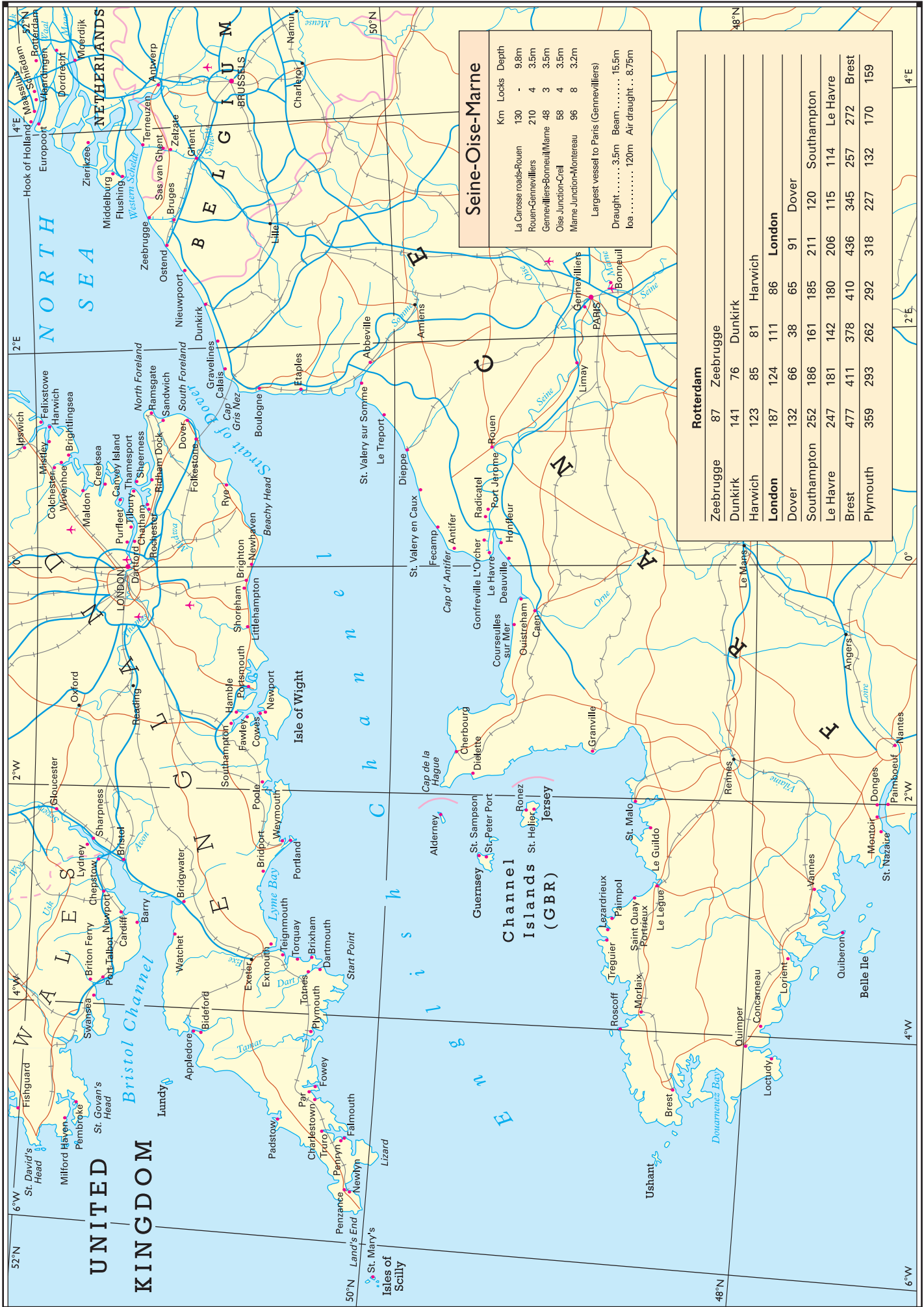


| London      |     | 12°W        | 10°30'W | 9°W  | 7°30'W | 6°W       |         |          |       |      |      |
|-------------|-----|-------------|---------|------|--------|-----------|---------|----------|-------|------|------|
| Southampton | 211 | Southampton |         |      |        |           |         |          |       |      |      |
| Bristol     | 536 | Bristol     |         |      |        |           |         |          |       |      |      |
| Cork        | 531 | 340         | 224     | Cork |        |           |         |          |       |      |      |
| Dublin      | 587 | 396         | 233     | 173  | Dublin |           |         |          |       |      |      |
| Liverpool   | 652 | 461         | 288     | 252  | 117    | Liverpool |         |          |       |      |      |
| Glasgow     | 755 | 564         | 394     | 348  | 188    | 219       | Glasgow |          |       |      |      |
| Aberdeen    | 431 | 535         | 748     | 696  | 540    | 570       | 497     | Aberdeen |       |      |      |
| Leith       | 413 | 511         | 827     | 775  | 619    | 649       | 576     | 85       | Leith |      |      |
| Tees        | 291 | 395         | 720     | 715  | 689    | 719       | 646     | 161      | 131   | Tees |      |
| Hull        | 229 | 324         | 649     | 644  | 700    | 765       | 742     | 262      | 237   | 121  | Hull |
| Harwich     | 86  | 185         | 510     | 505  | 561    | 626       | 729     | 363      | 343   | 221  | 162  |















| Zeebrugge        |      | † Via Kiel Canal |         |       |             |                |      |           |  |
|------------------|------|------------------|---------|-------|-------------|----------------|------|-----------|--|
| <b>Rotterdam</b> | 87   | <b>Rotterdam</b> |         |       |             |                |      |           |  |
| Ymuiden          | 110  | 53               | Ymuiden |       |             |                |      |           |  |
| Emden            | 245  | 202              | 148     | Emden |             |                |      |           |  |
| Bremerhaven      | 292  | 255              | 210     | 137   | Bremerhaven |                |      |           |  |
| <b>Hamburg</b>   | 347  | 305              | 255     | 183   | 117         | <b>Hamburg</b> |      |           |  |
| Kiel             | 365† | 323†             | 273†    | 201†  | 135†        | 90†            | Kiel |           |  |
| Flensburg        | 421† | 379†             | 329†    | 257†  | 191†        | 146†           | 56   | Flensburg |  |
| Lubeck           | 462† | 420†             | 370†    | 298†  | 232†        | 187†           | 97   | 132       |  |





### Rhine

|           | Km   | Nm  |                | Km  | Nm  |
|-----------|------|-----|----------------|-----|-----|
| Rotterdam | 1001 | 540 | Koblenz        | 592 | 319 |
| Dordrecht | 975  | 526 | Karlsruhe      | 360 | 194 |
| Nijmegen  | 886  | 479 | Strasbourg     | 296 | 160 |
| Emmerich  | 851  | 459 | Basle          | 170 | 92  |
| Cologne   | 686  | 370 | Lake Constance | 0   | 0   |

Lock free navigable distance from Rotterdam ..... 668km/360nm

Typical passage

Rotterdam-Basle ..... 6 days  
Basle-Rotterdam ..... 3 days

Largest vessel to Basle via 12 locks

|         |      |             |       |
|---------|------|-------------|-------|
| Draught | 3.2m | Beam        | 11.4m |
| loa     | 110m | Air draught | 6.7m  |

### Western Scheldt

#### Ghent-Terneuzen Canal

|                 | Km | Locks | Depth |
|-----------------|----|-------|-------|
| Terneuzen-Ghent | 32 | 1     | 13.5m |

Largest vessel to Ghent

|         |        |             |     |
|---------|--------|-------------|-----|
| Draught | 12.25m | Beam        | 34m |
| loa     | 265m   | Air draught | N/A |

#### Albert Canal

|               | Km  | Locks | Depth |
|---------------|-----|-------|-------|
| Antwerp-Liege | 111 | 6     | 3.4m  |

Largest vessel to Liege

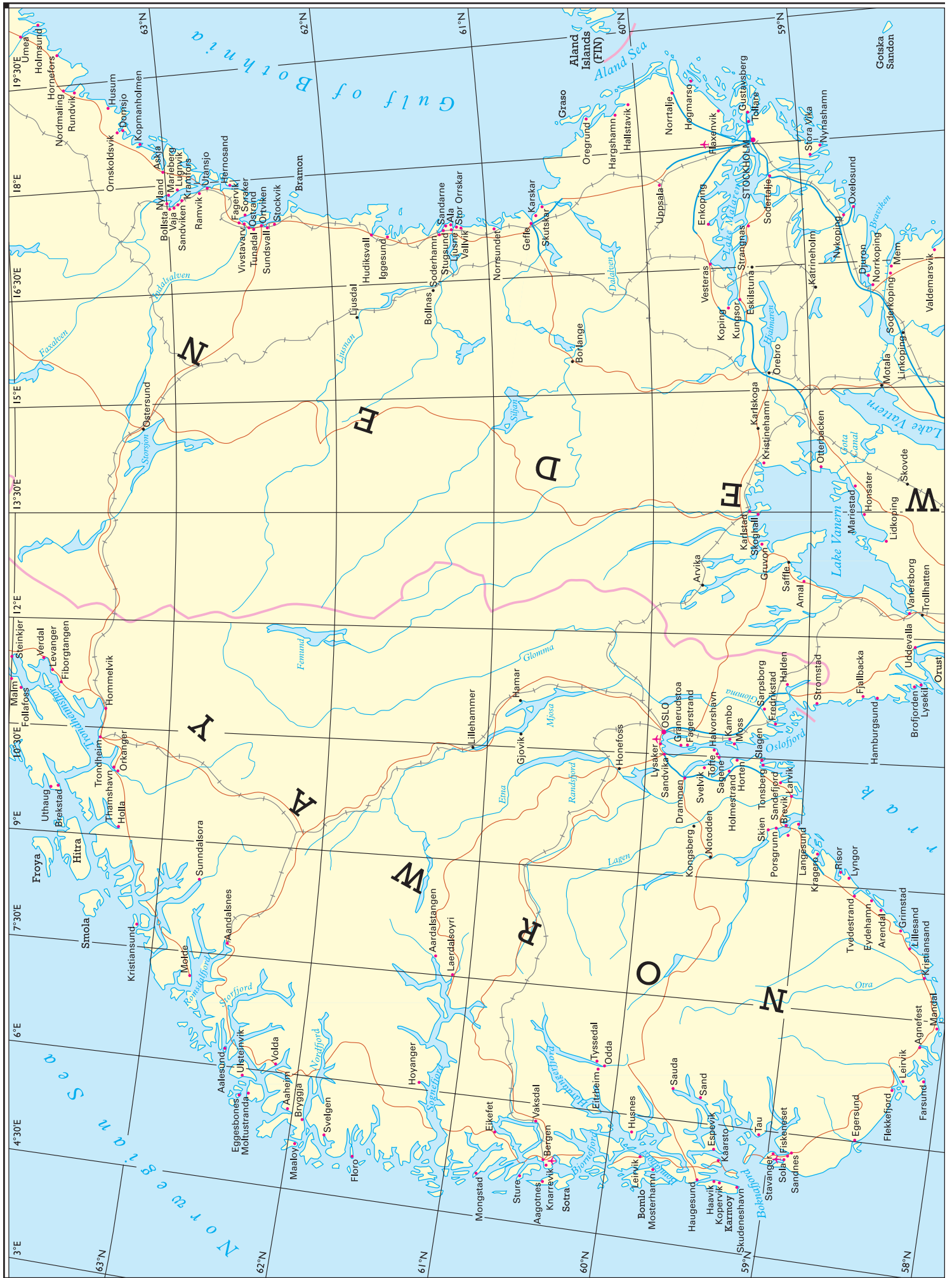
|         |      |             |      |
|---------|------|-------------|------|
| Draught | 2.5m | Beam        | 12m  |
| loa     | 134m | Air draught | 6.7m |

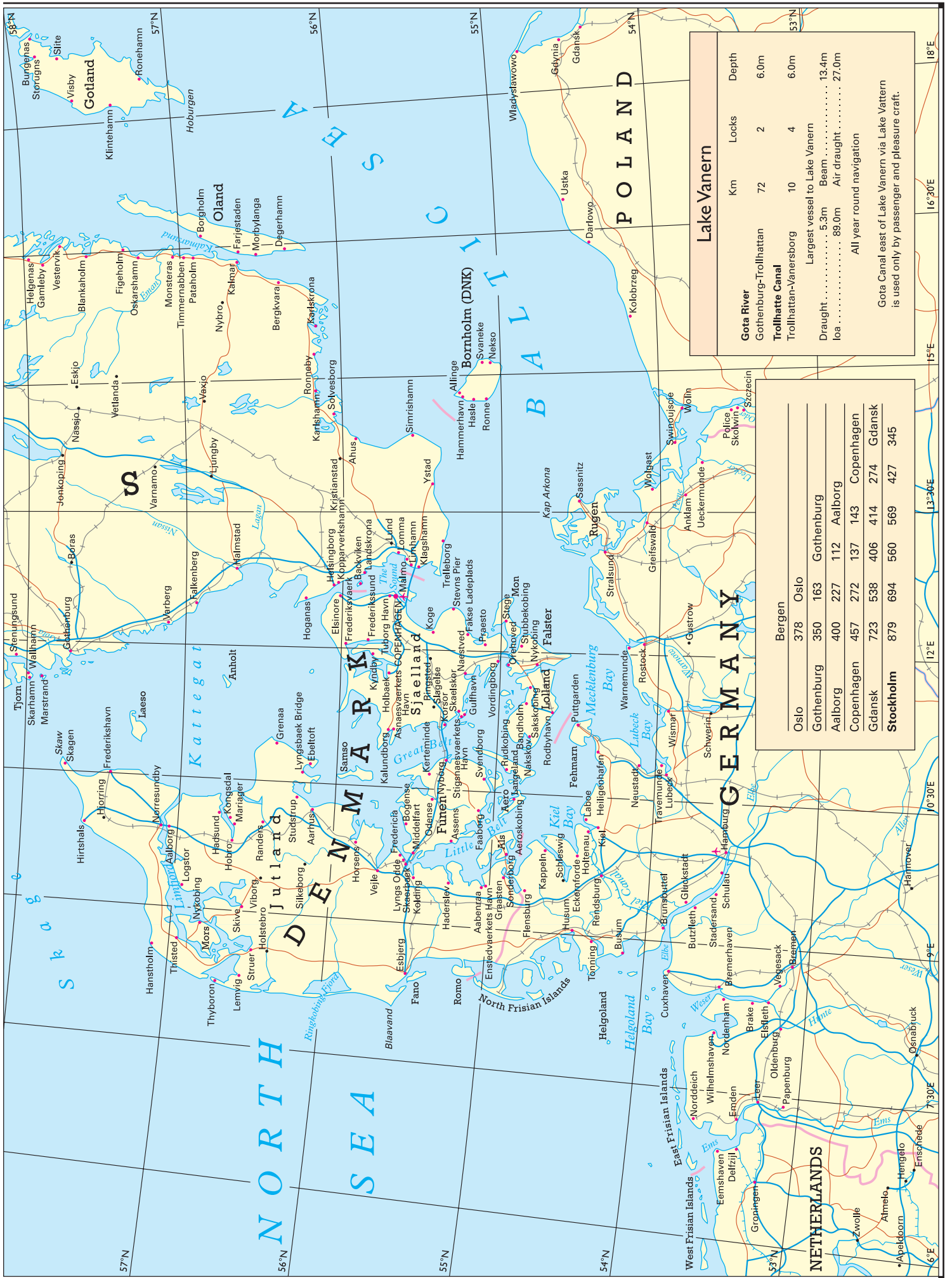
#### Brussels Maritime Canal

|                      | Km | Locks | Depth |
|----------------------|----|-------|-------|
| River Rupel-Brussels | 24 | 3     | 6.5m  |

Largest vessel to Brussels

|         |      |             |        |
|---------|------|-------------|--------|
| Draught | 5.8m | Beam        | 14.75m |
| loa     | 106m | Air draught | 30.0m  |





**Lake Vanern**

| Gota River             | Km | Locks | Depth |
|------------------------|----|-------|-------|
| Gothenburg-Trollhattan | 72 | 2     | 6.0m  |
| Trollhattan-Vanersborg | 10 | 4     | 6.0m  |

Largest vessel to Lake Vanern  
 Draught ..... 5.3m Beam ..... 13.4m  
 loa ..... 89.0m Air draught ..... 27.0m

All year round navigation

Gota Canal east of Lake Vanern via Lake Vattern is used only by passenger and pleasure craft.

|            | Bergen | Oslo | Gothenburg | Aalborg | Copenhagen | Gdansk | Stockholm |
|------------|--------|------|------------|---------|------------|--------|-----------|
| Oslo       | 378    | 163  | 400        | 227     | 112        | 143    | 274       |
| Gothenburg | 350    | 163  | 112        | 143     | 406        | 414    | 274       |
| Aalborg    | 400    | 227  | 112        | 143     | 406        | 414    | 274       |
| Copenhagen | 457    | 272  | 137        | 143     | 406        | 414    | 274       |
| Gdansk     | 723    | 538  | 406        | 414     | 274        | 427    | 345       |
| Stockholm  | 879    | 694  | 560        | 569     | 427        | 345    |           |





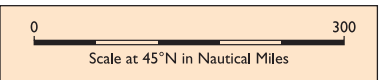
**Saimaa Canal**

|              | Km   | Locks | Depth |
|--------------|------|-------|-------|
| Saimaa Canal | 42.9 | 8     | 5.5m  |

Largest vessel to Lappeenranta  
 Draught ..... 4.3m    Beam ..... 11.8m  
 loa ..... 82.0m    Air draught ..... 24.5m

Length of Saimaa Lake system ..... 740Km  
 Draught range in channels ..... 1.4-4.2m  
 Average navigation season ..... April-January

| Oulu             |            |            |                |            |            |                      |
|------------------|------------|------------|----------------|------------|------------|----------------------|
| Helsinki         | 582        | Helsinki   |                |            |            |                      |
| St. Petersburg   | 721        | 171        | St. Petersburg |            |            |                      |
| Riga             | 638        | 316        | 457            | Riga       |            |                      |
| Gdansk           | 735        | 422        | 565            | 332        | Gdansk     |                      |
| Kalmar           | 698        | 418        | 566            | 340        | 182        | Kalmar               |
| <b>Stockholm</b> | <b>450</b> | <b>237</b> | <b>385</b>     | <b>266</b> | <b>345</b> | <b>300 Stockholm</b> |
| Sundsvall        | 290        | 356        | 499            | 414        | 509        | 476 227              |



| Istanbul |     |         |        |       |          |
|----------|-----|---------|--------|-------|----------|
| Bourgas  | 126 | Bourgas |        |       |          |
| Odessa   | 342 | 286     | Odessa |       |          |
| Kerch    | 441 | 440     | 335    | Kerch |          |
| Taganrog | 611 | 610     | 498    | 171   | Taganrog |
| Tuapse   | 491 | 518     | 415    | 137   | 311      |
| Samsun   | 368 | 419     | 397    | 245   | 415      |
|          |     |         | 205    |       |          |

| Volga, Don  |      |       |       |
|---|------|-------|-------|
|   | Km   |       | Nm    |
| St. Petersburg - Volgograd                              | 2591 |       | 1394  |
| Volgograd - Astrakhan                                   | 375  |       | 202   |
| Volgograd - Taganrog                                    | 420  |       | 226   |
| Average full navigation season . . . . . March-November |      |       |       |
| Volga-Don Canal   |      |       |       |
| River Don-Volgograd                                     | Km   | Locks | Depth |
|   | 101  | 13    | 5.5m  |



| Gibraltar  |   |
|------------|---|
| Marseilles | 690 Marseilles                            |
| Naples     | 979 457 Naples                            |
| Trieste    | 1648 1204 800 Trieste                     |
| Piraeus    | 1481 1065 661 839 Piraeus                 |
| Istanbul   | 1800 1378 974 1152 352 Istanbul           |
| Beirut     | 2004 1595 1189 1367 643 810 Beirut        |
| Port Said  | 1913 1512 1108 1294 593 786 228 Port Said |
| Tunis      | 794 472 309 921 729 1042 1252 1160        |





STRAIT of GIBRALTAR





0 10  
Nautical Miles

## GULF of NAPLES



0 30  
Nautical Miles

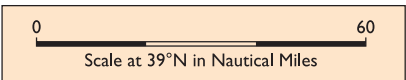
## GULF of VENICE



0 20  
Nautical Miles

## GULF of TUNIS





|              |     |       |              |          |       |
|--------------|-----|-------|--------------|----------|-------|
| Piraeus      |     |       |              |          |       |
| Volos        | 196 | Volos |              |          |       |
| Thessaloniki | 252 | 140   | Thessaloniki |          |       |
| Istanbul     | 352 | 324   | 333          | Istanbul |       |
| Izmir        | 204 | 222   | 254          | 273      | Izmir |
| Rhodes       | 257 | 331   | 383          | 422      | 235   |
| Iraklion     | 183 | 287   | 347          | 449      | 252   |
|              |     |       | 171          |          |       |



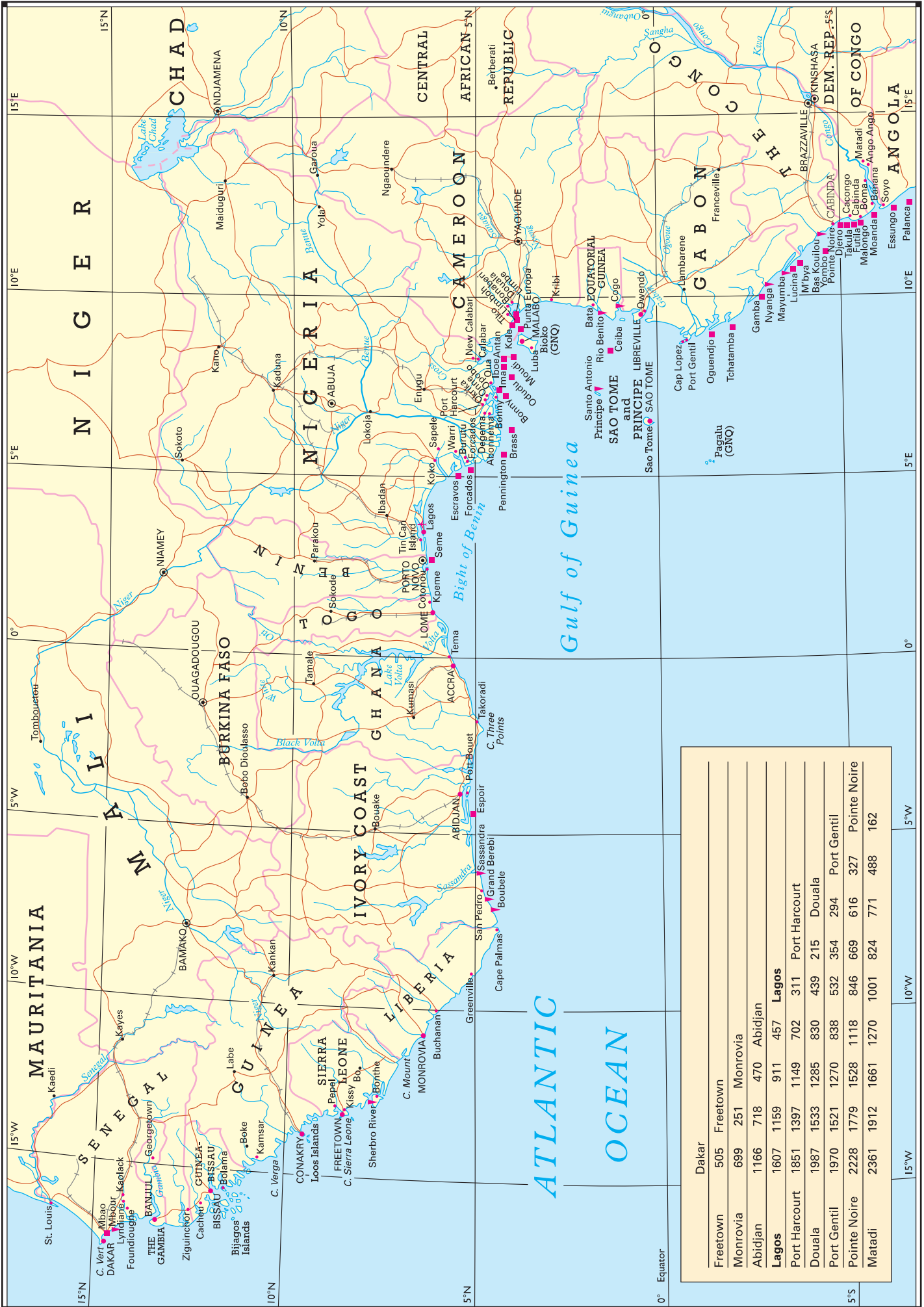
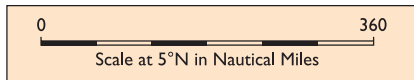


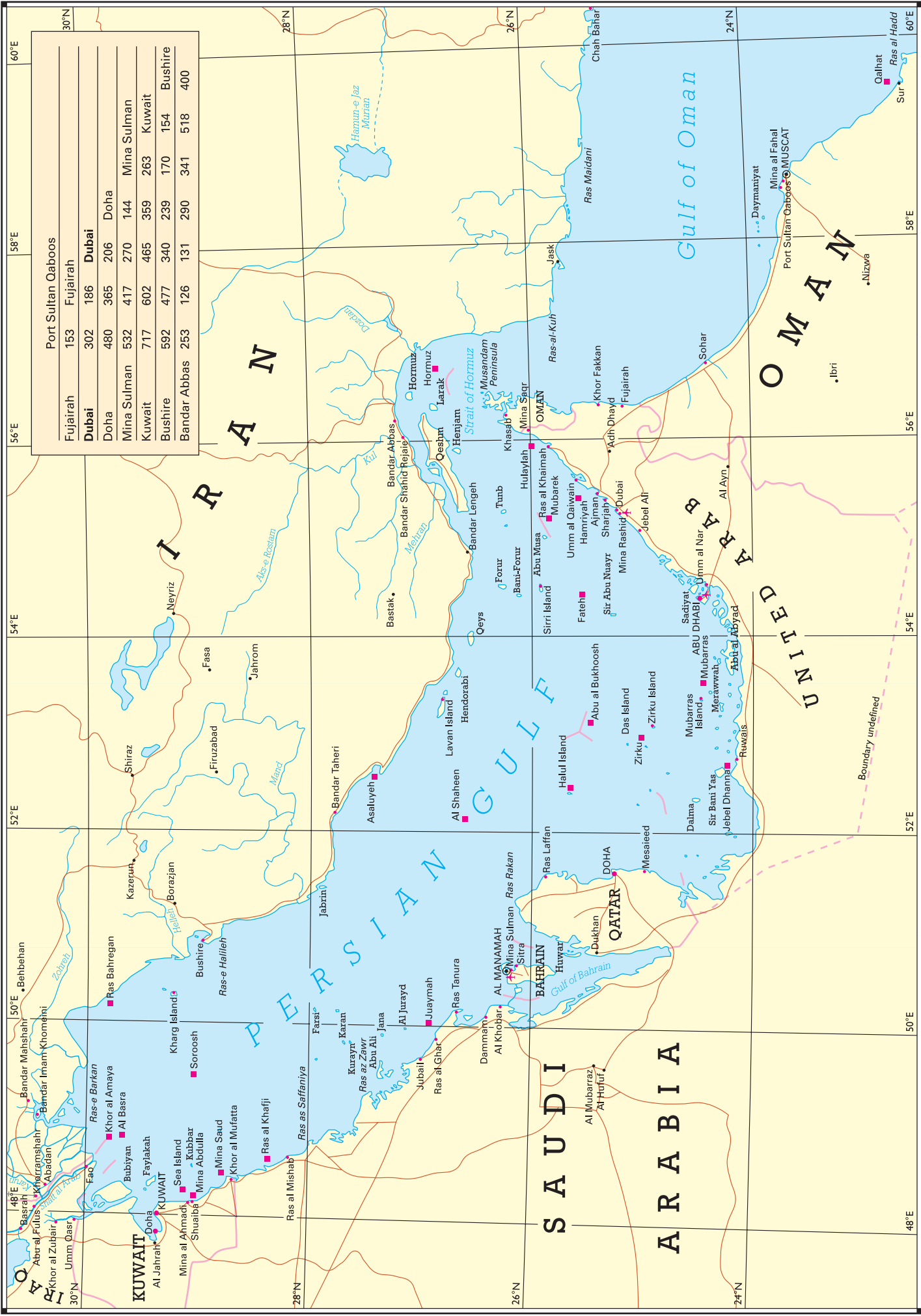
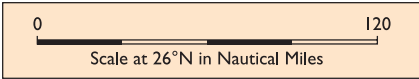
|                  | Antalya    |            | *Via Suez Canal |            |                  |
|------------------|------------|------------|-----------------|------------|------------------|
| Iskenderun       | 279        | Iskenderun |                 |            |                  |
| Limassol         | 197        | 199        | Limassol        |            |                  |
| Beirut           | 314        | 172        | 132             | Beirut     |                  |
| <b>Port Said</b> | <b>346</b> | <b>376</b> | <b>208</b>      | <b>228</b> | <b>Port Said</b> |
| Alexandria       | 348        | 459        | 271             | 340        | 156 Alexandria   |
| Aqaba            | 733*       | 763*       | 595*            | 615*       | 387* 543*        |







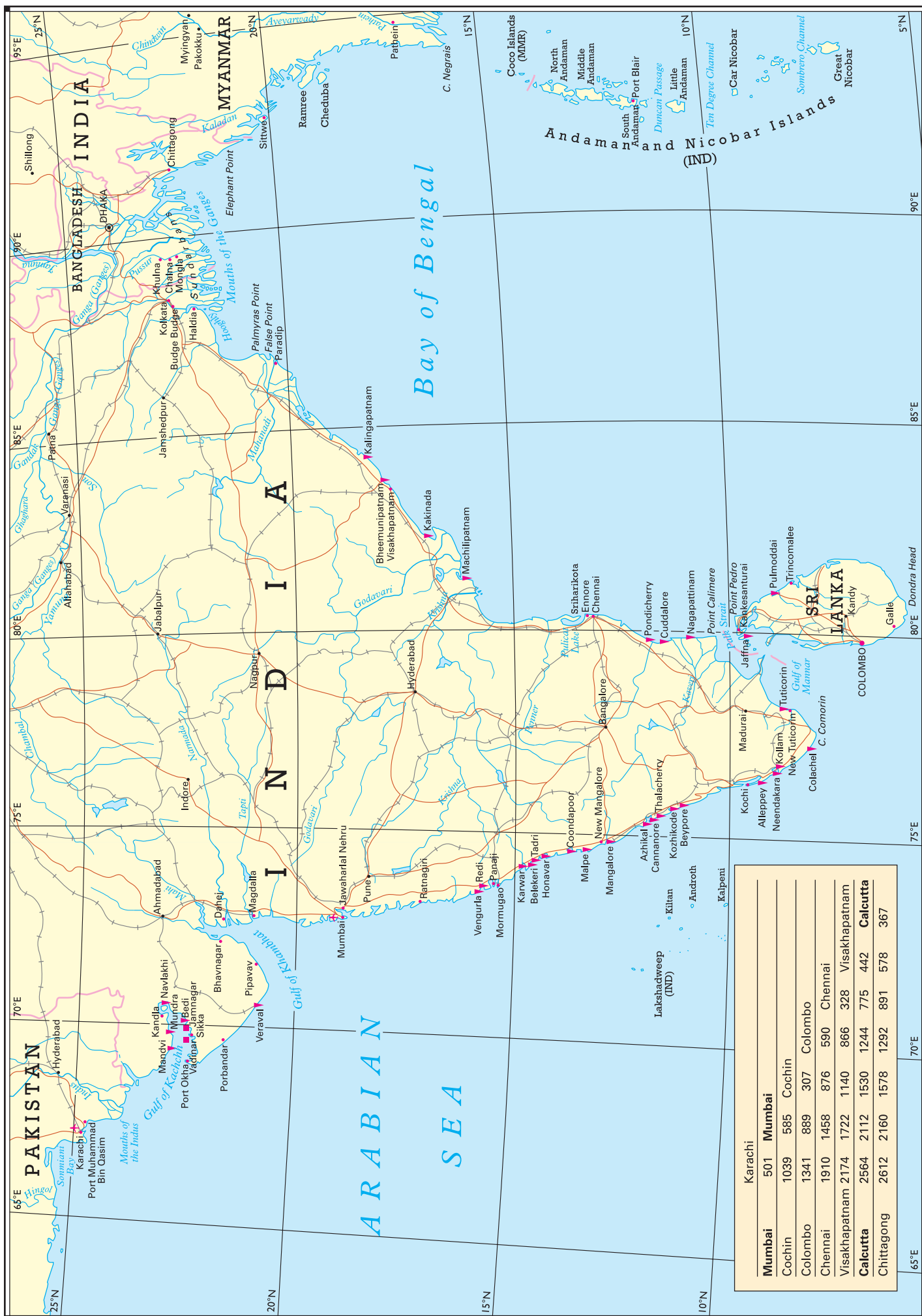




| Port Sultan Qaboos |     |
|--------------------|-----|
| Fujairah           | 153 |
| Dubai              | 302 |
| Doha               | 480 |
| Mina Sulman        | 532 |
| Kuwait             | 717 |
| Bushire            | 592 |
| Bandar Abbas       | 253 |
| Fujairah           | 186 |
| Doha               | 365 |
| Mina Sulman        | 417 |
| Kuwait             | 602 |
| Bushire            | 477 |
| Bandar Abbas       | 126 |
| Fujairah           | 206 |
| Doha               | 270 |
| Kuwait             | 465 |
| Bushire            | 340 |
| Bandar Abbas       | 131 |
| Fujairah           | 290 |
| Doha               | 341 |
| Kuwait             | 518 |
| Bushire            | 400 |







|                 |         |               |        |         |         |               |                 |  |  |
|-----------------|---------|---------------|--------|---------|---------|---------------|-----------------|--|--|
|                 | Karachi |               |        |         |         |               |                 |  |  |
| <b>Mumbai</b>   | 501     | <b>Mumbai</b> |        |         |         |               |                 |  |  |
| Cochin          | 1039    | 585           | Cochin |         |         |               |                 |  |  |
| Colombo         | 1341    | 889           | 307    | Colombo |         |               |                 |  |  |
| Chennai         | 1910    | 1458          | 876    | 590     | Chennai |               |                 |  |  |
| Visakhapatnam   | 2174    | 1722          | 1140   | 866     | 328     | Visakhapatnam |                 |  |  |
| <b>Calcutta</b> | 2564    | 2112          | 1530   | 1244    | 775     | 442           | <b>Calcutta</b> |  |  |
| Chittagong      | 2612    | 2160          | 1578   | 1292    | 891     | 578           | 367             |  |  |









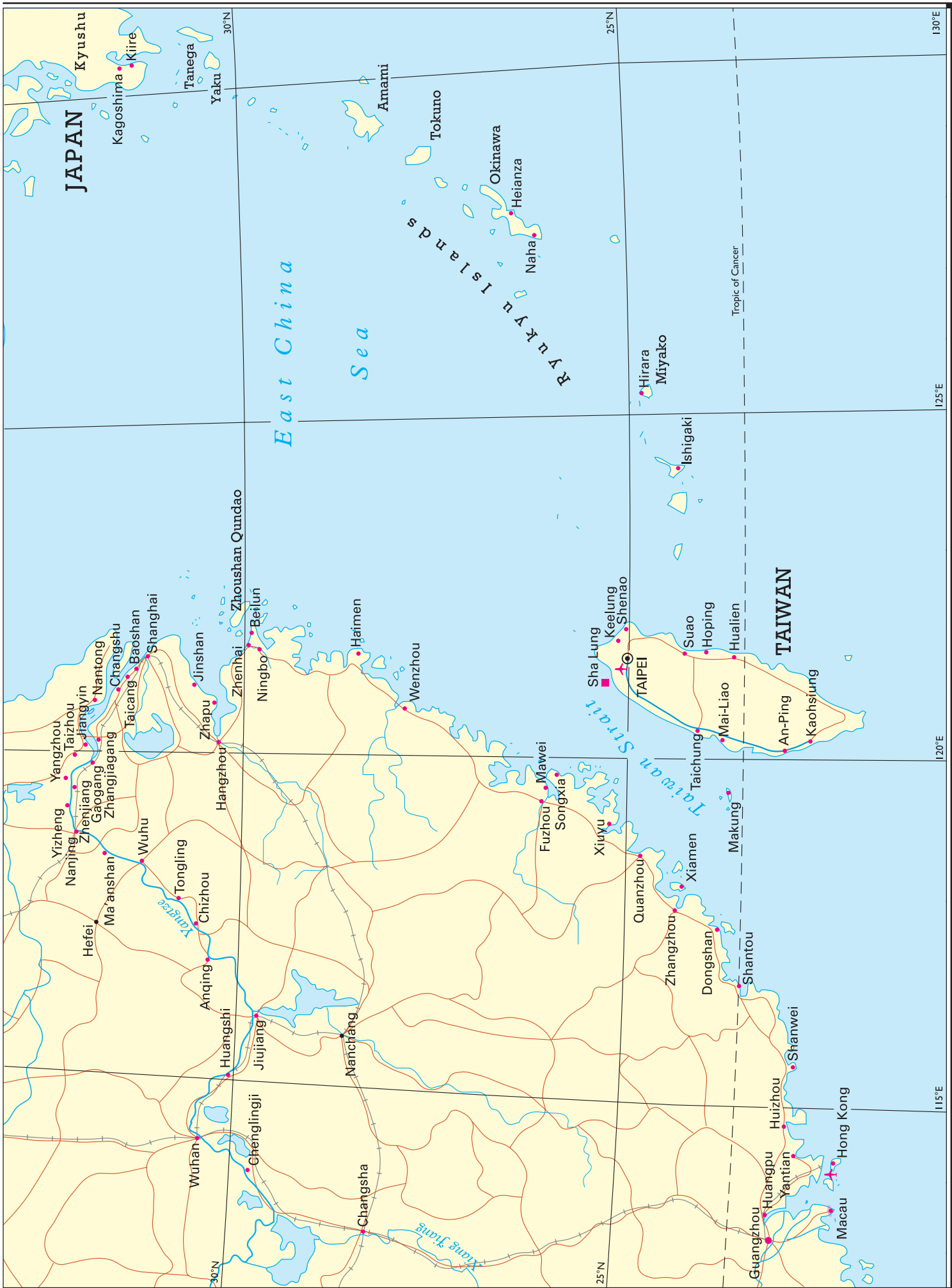
| Singapore  |      |         |         |          |        |       |              |
|------------|------|---------|---------|----------|--------|-------|--------------|
| Belawan    | 375  | Belawan |         |          |        |       |              |
| Jakarta    | 525  | 861     | Jakarta |          |        |       |              |
| Surabaya   | 759  | 1130    | 386     | Surabaya |        |       |              |
| Darwin     | 1887 | 2254    | 1532    | 1200     | Darwin |       |              |
| Davao      | 1510 | 1881    | 1510    | 1246     | 1240   | Davao |              |
| Balikpapan | 1055 | 1426    | 765     | 481      | 1169   | 771   | Balikpapan   |
| Sandakan   | 1040 | 1411    | 1248    | 1072     | 1444   | 568   | 605 Sandakan |
| Labuan     | 735  | 1106    | 935     | 1081     | 1804   | 884   | 997 412      |





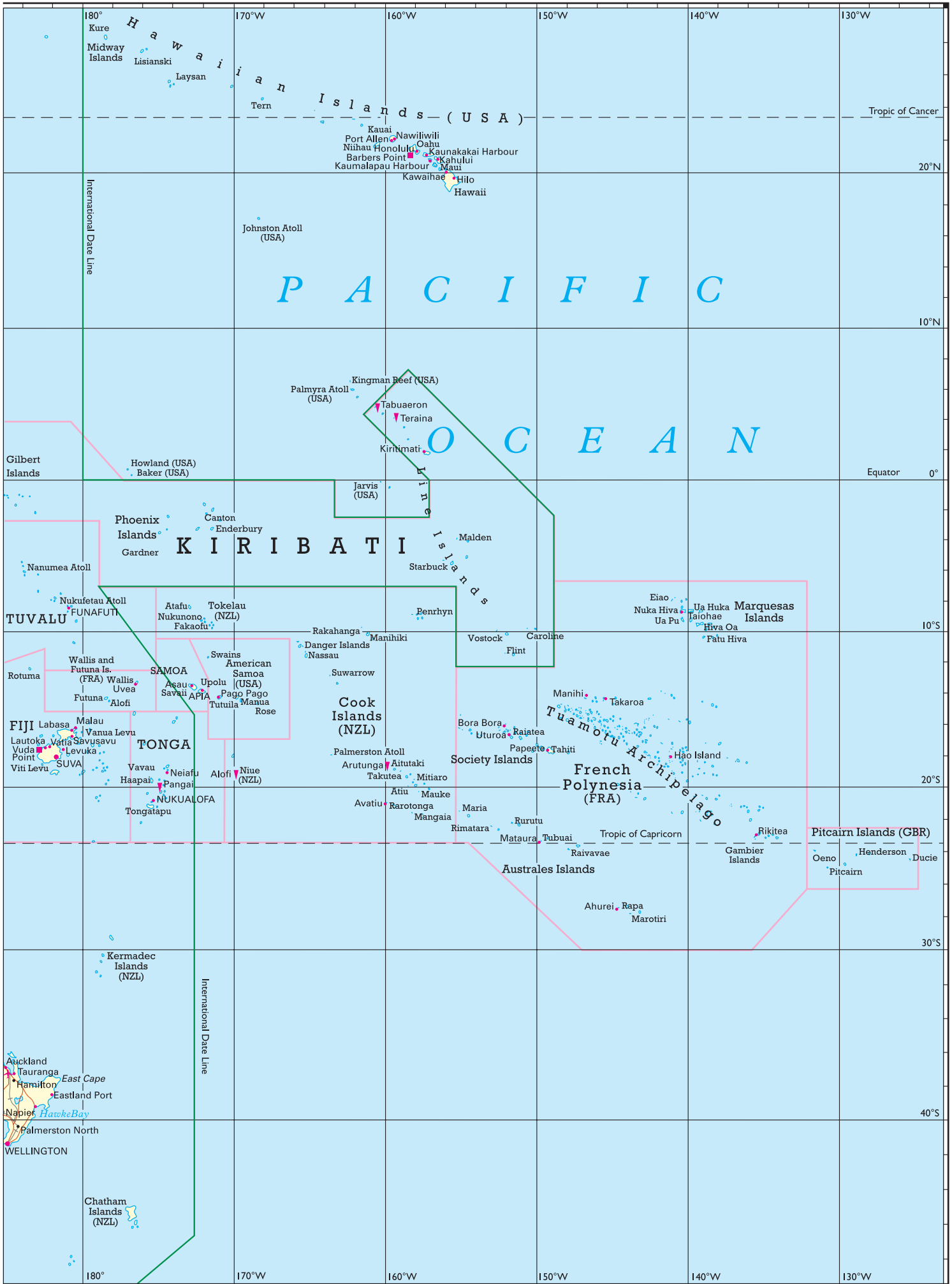
|              |            |            |            |            |              |
|--------------|------------|------------|------------|------------|--------------|
| Vladivostok  |            |            |            |            |              |
| Busan        | 509        | Busan      |            |            |              |
| Moji         | 566        | 122        | Moji       |            |              |
| Kobe         | 809        | 365        | 244        | Kobe       |              |
| <b>Tokyo</b> | <b>949</b> | <b>669</b> | <b>548</b> | <b>365</b> | <b>Tokyo</b> |
| Kushiro      | 607        | 865        | 870        | 873        | 600 Kushiro  |
| Toyama       | 466        | 481        | 460        | 705        | 870 525      |





|                      |      |        |            |               |          |        |             |      |         |                 |
|----------------------|------|--------|------------|---------------|----------|--------|-------------|------|---------|-----------------|
| Guam                 |      |        |            |               |          |        |             |      |         |                 |
| Rabaul               | 1190 | Rabaul |            |               |          |        |             |      |         |                 |
| Townsville           | 2566 | 1246   | Townsville |               |          |        |             |      |         |                 |
| <b>Sydney</b>        | 3005 | 1844   | 1129       | <b>Sydney</b> |          |        |             |      |         |                 |
| Auckland             | 3492 | 2357   | 1972       | 1275          | Auckland |        |             |      |         |                 |
| Noumea               | 2530 | 1380   | 1263       | 1069          | 990      | Noumea |             |      |         |                 |
| <b>Suva</b>          | 2805 | 1786   | 2029       | 1735          | 1140     | 738    | <b>Suva</b> |      |         |                 |
| Apia                 | 3068 | 2229   | 2620       | 2357          | 1583     | 1361   | 644         | Apia |         |                 |
| Papeete              | 4332 | 3524   | 3873       | 3306          | 2215     | 2500   | 1835        | 1303 | Papeete |                 |
| <b>Honolulu</b>      | 3333 | 3359   | 4252       | 4427          | 3820     | 3368   | 2783        | 2262 | 2380    | <b>Honolulu</b> |
| <b>San Francisco</b> | 5055 | 5399   | 6313       | 6456          | 5689     | 5467   | 4760        | 4167 | 3669    | 2095            |





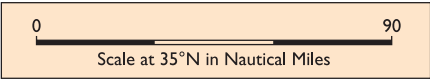




|                      |           |                  |                      |             |                    |                                   |
|----------------------|-----------|------------------|----------------------|-------------|--------------------|-----------------------------------|
|                      | Anchorage |                  |                      |             | †Via Panama Canal  |                                   |
| <b>Vancouver</b>     | 1347      | <b>Vancouver</b> |                      |             |                    |                                   |
| <b>San Francisco</b> | 1892      | 816              | <b>San Francisco</b> |             |                    |                                   |
| Los Angeles          | 2236      | 1161             | 369                  | Los Angeles |                    |                                   |
| <b>New Orleans</b>   | 6569†     | 5467†            | 4688†                | 4354†       | <b>New Orleans</b> |                                   |
| Miami                | 6366†     | 5264†            | 4485†                | 4151†       | 762                | Miami                             |
| Norfolk              | 6947†     | 5845†            | 5066†                | 4732†       | 1507               | 762 Norfolk                       |
| <b>New York</b>      | 7138†     | 6036†            | 5257†                | 4923†       | 1707               | 962 287 <b>New York</b>           |
| Boston               | 7302†     | 6200†            | 5421†                | 5087†       | 1944               | 1199 559 378 Boston               |
| <b>Halifax</b>       | 7464†     | 6362†            | 5583†                | 5249†       | 2148               | 1405 776 593 386 <b>Halifax</b>   |
| St. John's           | 7863†     | 6761†            | 5982†                | 5648†       | 2618               | 1873 1277 1097 893 543 St. John's |
| <b>Montreal</b>      | 8356†     | 7254†            | 6475†                | 6141†       | 3069               | 2324 1697 1516 1309 958 1038      |







| San Francisco |     |          |          |               |             |
|---------------|-----|----------|----------|---------------|-------------|
| Stockton      | 77  | Stockton |          |               |             |
| Martinez      | 26  | 51       | Martinez |               |             |
| Port San Luis | 205 | 282      | 231      | Port San Luis |             |
| Los Angeles   | 369 | 446      | 395      | 178           | Los Angeles |
| San Diego     | 453 | 530      | 479      | 269           | 95          |
| Ensenada      | 498 | 561      | 510      | 314           | 139         |
|               |     |          |          | 64            |             |

|                    |      |                |        |                 |         |                 |         |              |       |                    |
|--------------------|------|----------------|--------|-----------------|---------|-----------------|---------|--------------|-------|--------------------|
| <b>Montreal</b>    |      |                |        |                 |         |                 |         |              |       |                    |
| <b>Halifax</b>     | 958  | <b>Halifax</b> |        |                 |         |                 |         |              |       |                    |
| Boston             | 1309 | 386            | Boston |                 |         |                 |         |              |       |                    |
| <b>New York</b>    | 1516 | 593            | 378    | <b>New York</b> |         |                 |         |              |       |                    |
| Norfolk            | 1697 | 776            | 559    | 287             | Norfolk |                 |         |              |       |                    |
| Wilmington (NC)    | 1930 | 1007           | 800    | 559             | 359     | Wilmington (NC) |         |              |       |                    |
| Bermuda            | 1621 | 757            | 705    | 697             | 667     | 747             | Bermuda |              |       |                    |
| Jacksonville       | 2164 | 1240           | 1032   | 791             | 592     | 306             | 911     | Jacksonville |       |                    |
| Tampa              | 2737 | 1819           | 1615   | 1378            | 1176    | 940             | 1356    | 742          | Tampa |                    |
| <b>New Orleans</b> | 3069 | 2148           | 1944   | 1707            | 1507    | 1270            | 1689    | 1071         | 494   | <b>New Orleans</b> |
| Brownsville        | 3314 | 2393           | 2189   | 1952            | 1752    | 1515            | 1934    | 1316         | 825   | 575                |







**Great Lakes**

|                  | Elevation | Length | Locks | Depth |
|------------------|-----------|--------|-------|-------|
| Lake Ontario     | 75m       | 371km  | 8     | 8.30m |
| Welland Canal    | 99m       | 21km   | -     | 388km |
| Lake Erie        | 175m      | 388km  | -     | 8.37m |
| St. Clair River  | 176m      | 23km   | -     | -     |
| Lake Huron       | 177m      | 332km  | -     | -     |
| Lake Michigan    | 177m      | 494km  | -     | -     |
| St. Mary's River | 177m      | 45km   | 3     | 8.37m |
| Lake Superior    | 184m      | 563km  | -     | -     |

Largest vessel to Duluth / Chicago:  
 Draught ..... 7.9m    Beam ..... 23.1m  
 loa ..... 222.5m    Air draught ..... N/A  
 Average full navigation season ..... April-December

|             | Duluth | Thunder Bay |
|-------------|--------|-------------|
| Thunder Bay | 169    | 539         |
| Milwaukee   | 645    | 374         |
| Chicago     | 702    | 550         |
| Detroit     | 630    | 493         |
| Buffalo     | 857    | 719         |
| Kingston    | 1003   | 866         |
|             | 922    | 373         |
|             | 182    |             |



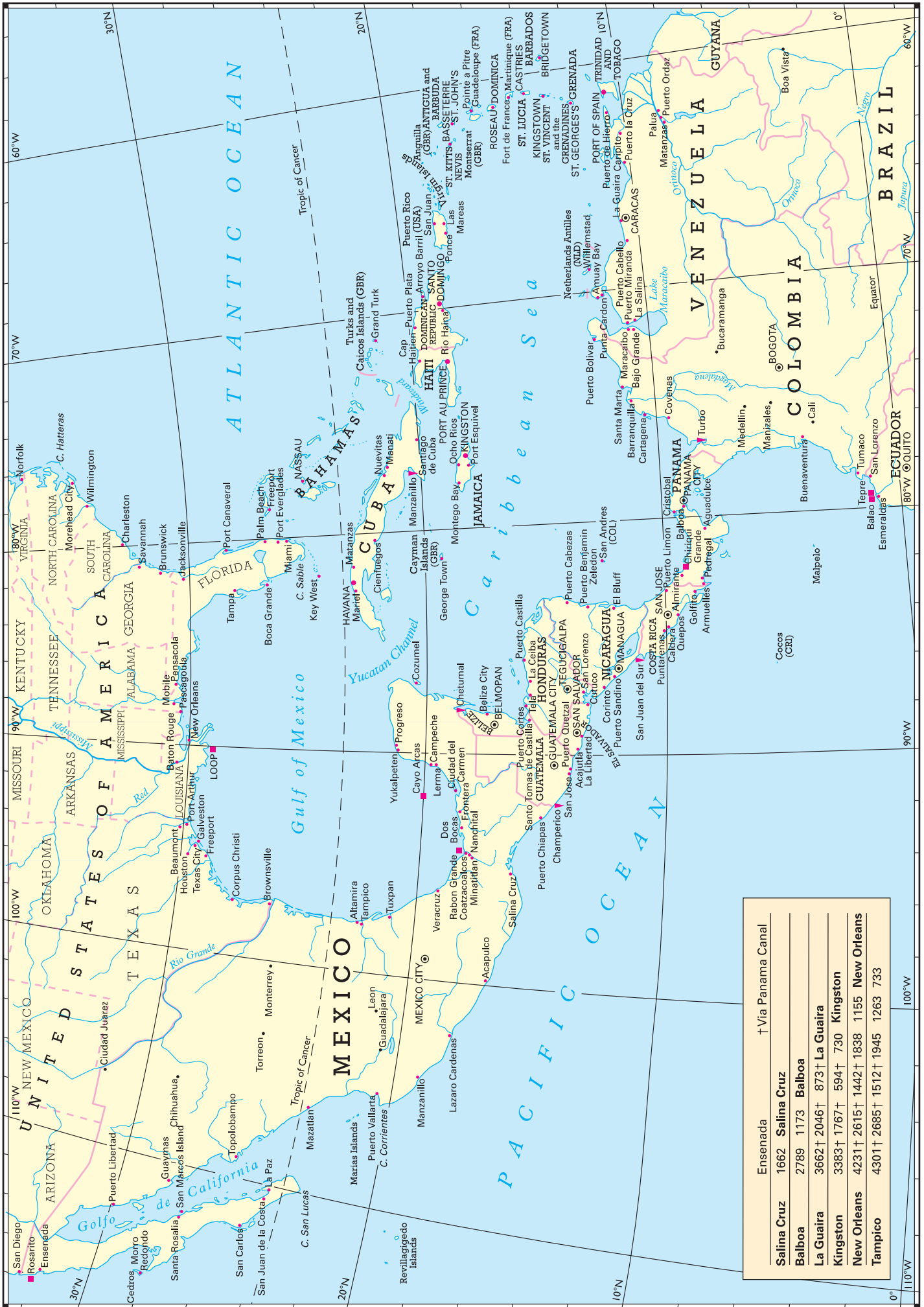
|                 |                                       |
|-----------------|---------------------------------------|
| Portland        |                                       |
| Saint John      | 224 Saint John                        |
| <b>Halifax</b>  | 344 295 Halifax                       |
| Sydney          | 560 511 249 Sydney                    |
| St. John's      | 853 802 543 378 St. John's            |
| Botwood         | 1086 1037 778 613 241 Botwood         |
| Seven Islands   | 900 851 589 366 669 904 Seven Islands |
| <b>Montreal</b> | 1269 1220 958 735 1038 1273 426       |

| St. Lawrence Seaway                                      |                                   |
|--|-----------------------------------|
| Montreal to Lake Ontario Section                         | 160 Nm                            |
| Distance between Jacques-Cartier Bridge and Cape Vincent | 7                                 |
| Number of Locks  | 8 m                               |
| Maximum draught  | 225.5m (under certain conditions) |
| Maximum length   | 23.1 (normal)                     |
| Maximum beam   | 23.8 (under certain conditions)   |
| Air Draught  | 35.5 m                            |
| Typical passage  | Between 22 and 24 hours           |



|                 |                                |        |            |                 |              |           |         |
|-----------------|--------------------------------|--------|------------|-----------------|--------------|-----------|---------|
| Portland        | †Via Chesapeake-Delaware Canal |        |            |                 |              |           |         |
| Boston          | 102                            | Boston |            |                 |              |           |         |
| Providence      | 322                            | 281    | Providence |                 |              |           |         |
| <b>New York</b> | 419                            | 378    | 160        | <b>New York</b> |              |           |         |
| Philadelphia    | 570                            | 527    | 352        | 235             | Philadelphia |           |         |
| Baltimore       | 723                            | 682    | 520        | 238†            | 103†         | Baltimore |         |
| Norfolk         | 600                            | 559    | 397        | 287             | 253          | 172       | Norfolk |
| Wilmington (NC) | 841                            | 800    | 657        | 559             | 529          | 482       | 359     |



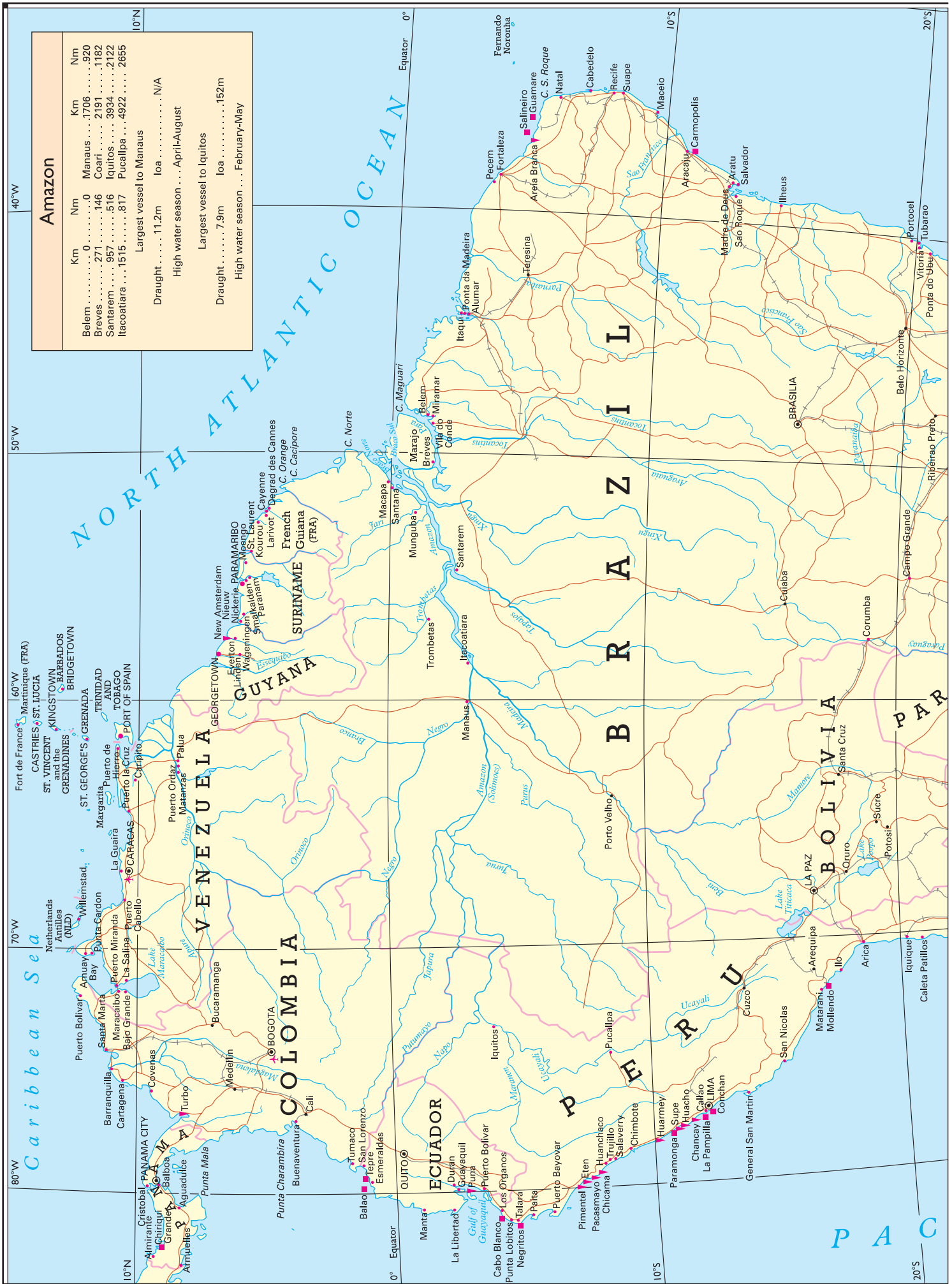


| Ensenada    | † Via Panama Canal |             |        |                       |
|-------------|--------------------|-------------|--------|-----------------------|
| Salina Cruz | 1662               | Salina Cruz |        |                       |
| Balboa      | 2789               | 1173        | Balboa |                       |
| La Guaira   | 3662†              | 2046†       | 873†   | La Guaira             |
| Kingston    | 3383†              | 1767†       | 594†   | 730 Kingston          |
| New Orleans | 4231†              | 2615†       | 1442†  | 1838 1155 New Orleans |
| Tampico     | 4301†              | 2685†       | 1512†  | 1945 1263 733         |





|                      |      |             |        |                 |                |               |          |          |                      |                  |
|----------------------|------|-------------|--------|-----------------|----------------|---------------|----------|----------|----------------------|------------------|
| Cristobal            |      |             |        |                 |                |               |          |          |                      |                  |
| Belize City          | 798  | Belize City |        |                 |                |               |          |          |                      |                  |
| Havana               | 990  | 523         | Havana |                 |                |               |          |          |                      |                  |
| <b>Kingston</b>      | 555  | 696         | 743    | <b>Kingston</b> |                |               |          |          |                      |                  |
| Port au Prince       | 766  | 930         | 657    | 278             | Port au Prince |               |          |          |                      |                  |
| Santo Domingo        | 800  | 1092        | 939    | 428             | 444            | Santo Domingo |          |          |                      |                  |
| San Juan             | 992  | 1302        | 969    | 635             | 549            | 230           | San Juan |          |                      |                  |
| Castries             | 1158 | 1603        | 1358   | 952             | 938            | 587           | 412      | Castries |                      |                  |
| <b>Port of Spain</b> | 1140 | 1624        | 1478   | 999             | 1035           | 678           | 575      | 222      | <b>Port of Spain</b> |                  |
| <b>La Guaira</b>     | 834  | 1321        | 1281   | 730             | 790            | 500           | 538      | 404      | 329                  | <b>La Guaira</b> |
| Cartagena            | 276  | 901         | 1075   | 483             | 642            | 606           | 776      | 924      | 905                  | 598              |



| Amazon            |      |                |      |    |      |
|-------------------|------|----------------|------|----|------|
| Km                | Nm   |                |      |    |      |
| Belem .....       | 0    | Manaus .....   | 1706 | Nm | .920 |
| Breves .....      | 271  | Coari .....    | 2191 |    | 1182 |
| Santarem .....    | 957  | Iquitos .....  | 3934 |    | 2122 |
| Itacoatiara ..... | 1515 | Pucallpa ..... | 4922 |    | 2655 |

Largest vessel to Manaus  
 Draught..... 11.2m loa..... N/A

High water season ... April-August  
 Largest vessel to Iquitos  
 Draught..... 7.9m loa..... 152m

High water season ... February-May



|                | La Guaira | †Via Panama Canal |
|----------------|-----------|-------------------|
| Belem          | 1507      | Belem             |
| Recife         | 2464      | 1089              |
| Rio de Janeiro | 3437      | 2160              |
| Buenos Aires   | 4535      | 3256              |
| Punta Arenas   | 4810†     | 4331              |
| Valparaiso     | 3488†     | 4970†             |
| Callao         | 2213†     | 3695†             |
| Guayaquil      | 1710†     | 3192†             |
| Balboa         | 873†      | 2355†             |
|                |           | 3212†             |
|                |           | 4285†             |
|                |           | 5383†             |
|                |           | 3937              |
|                |           | 2615              |
|                |           | 1340              |
|                |           | 837               |
|                |           | 1078              |
|                |           | 1142              |
|                |           | Buenos Aires      |
|                |           | 3238              |
|                |           | 1395              |
|                |           | Punta Arenas      |
|                |           | 3665              |
|                |           | 2822              |
|                |           | 1427              |
|                |           | Valparaiso        |
|                |           | 4893              |
|                |           | 4050              |
|                |           | 2655              |
|                |           | 1299              |
|                |           | Callao            |
|                |           | 3298              |
|                |           | 1984              |
|                |           | 706               |
|                |           | Guayaquil         |
|                |           | 5122†             |
|                |           | 4693              |
|                |           | 3298              |
|                |           | 1984              |
|                |           | 706               |
|                |           | Guayaquil         |
|                |           | 5383†             |
|                |           | 3937              |
|                |           | 2615              |
|                |           | 1340              |
|                |           | 837               |



**Parana**

| Km           | Nm     | Km             | Nm      |
|--------------|--------|----------------|---------|
| Buenos Aires | ...0   | La Paz         | ...756  |
| San Pedro    | ...276 | Corrientes     | ...1209 |
| Rosario      | ...421 | Puerto Villeta | ...1594 |
| Sante Fe     | ...595 | Asuncion       | ...1632 |

Largest vessel

| dwt      | Seasonal draught |             |
|----------|------------------|-------------|
| Rosario  | ...30,000        | ...7.0-9.0m |
| Sante Fe | ...18,000        | ...5.8-7.3m |
| Asuncion | ...3,400         | ...2.0-4.9m |

| Vitoria             |             |
|---------------------|-------------|
| Rio de Janeiro      | 278         |
| Santos              | 450         |
| Paranagua           | 572         |
| Rio Grande          | 993         |
| Montevideo          | 1285        |
| <b>Buenos Aires</b> | <b>1382</b> |
| Rosario             | 1565        |

| Rio de Janeiro      |             |
|---------------------|-------------|
| Santos              | 210         |
| Paranagua           | 336         |
| Rio Grande          | 753         |
| Montevideo          | 1045        |
| <b>Buenos Aires</b> | <b>1142</b> |
| Rosario             | 1565        |

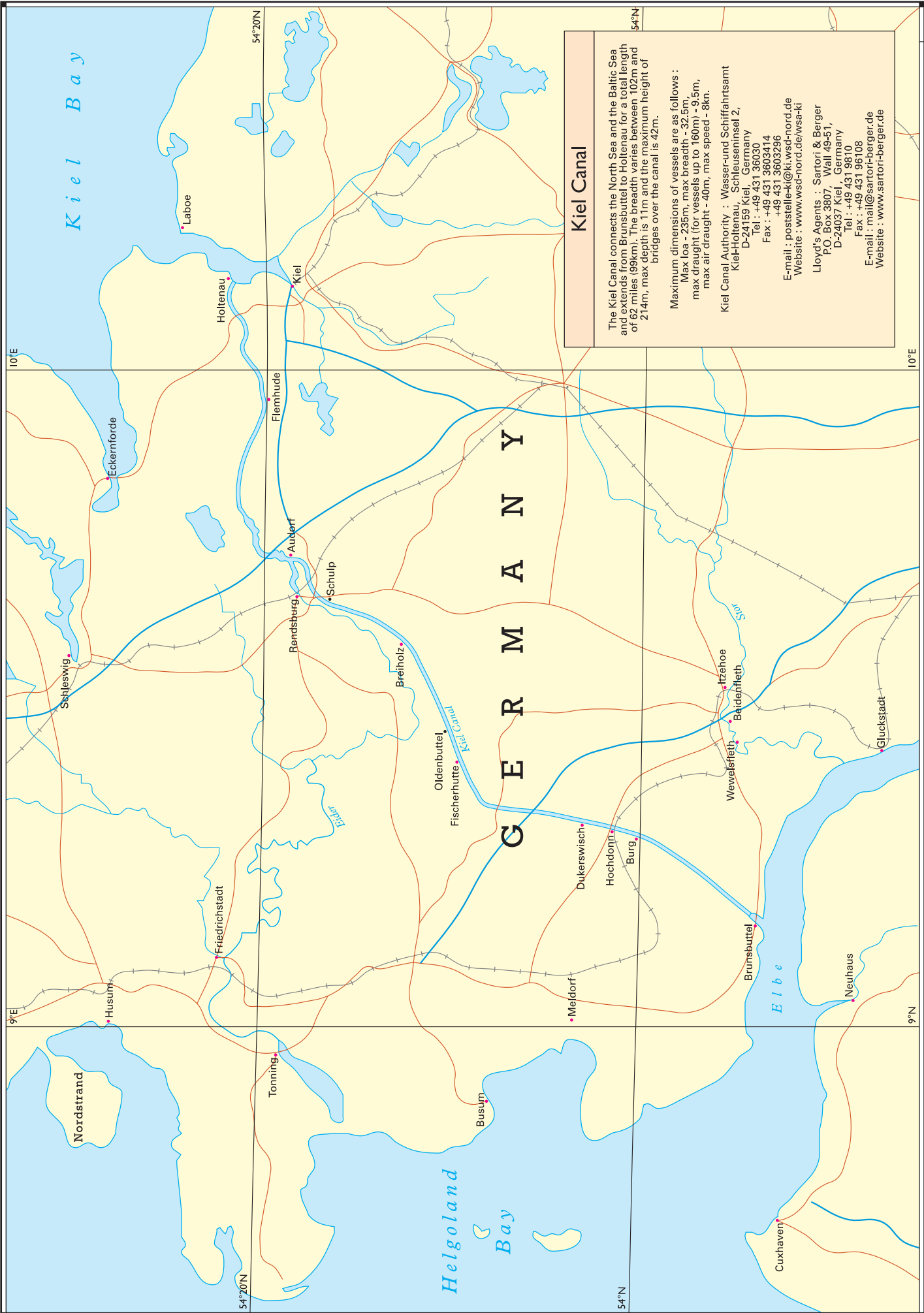
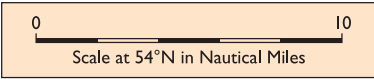
| Paranagua           |            |
|---------------------|------------|
| Rio Grande          | 155        |
| Montevideo          | 608        |
| <b>Buenos Aires</b> | <b>789</b> |
| Rosario             | 1181       |

| Rio Grande          |            |
|---------------------|------------|
| Montevideo          | 332        |
| <b>Buenos Aires</b> | <b>429</b> |
| Rosario             | 612        |

| Montevideo          |            |
|---------------------|------------|
| <b>Buenos Aires</b> | <b>129</b> |
| Rosario             | 312        |



**Kiel Canal**

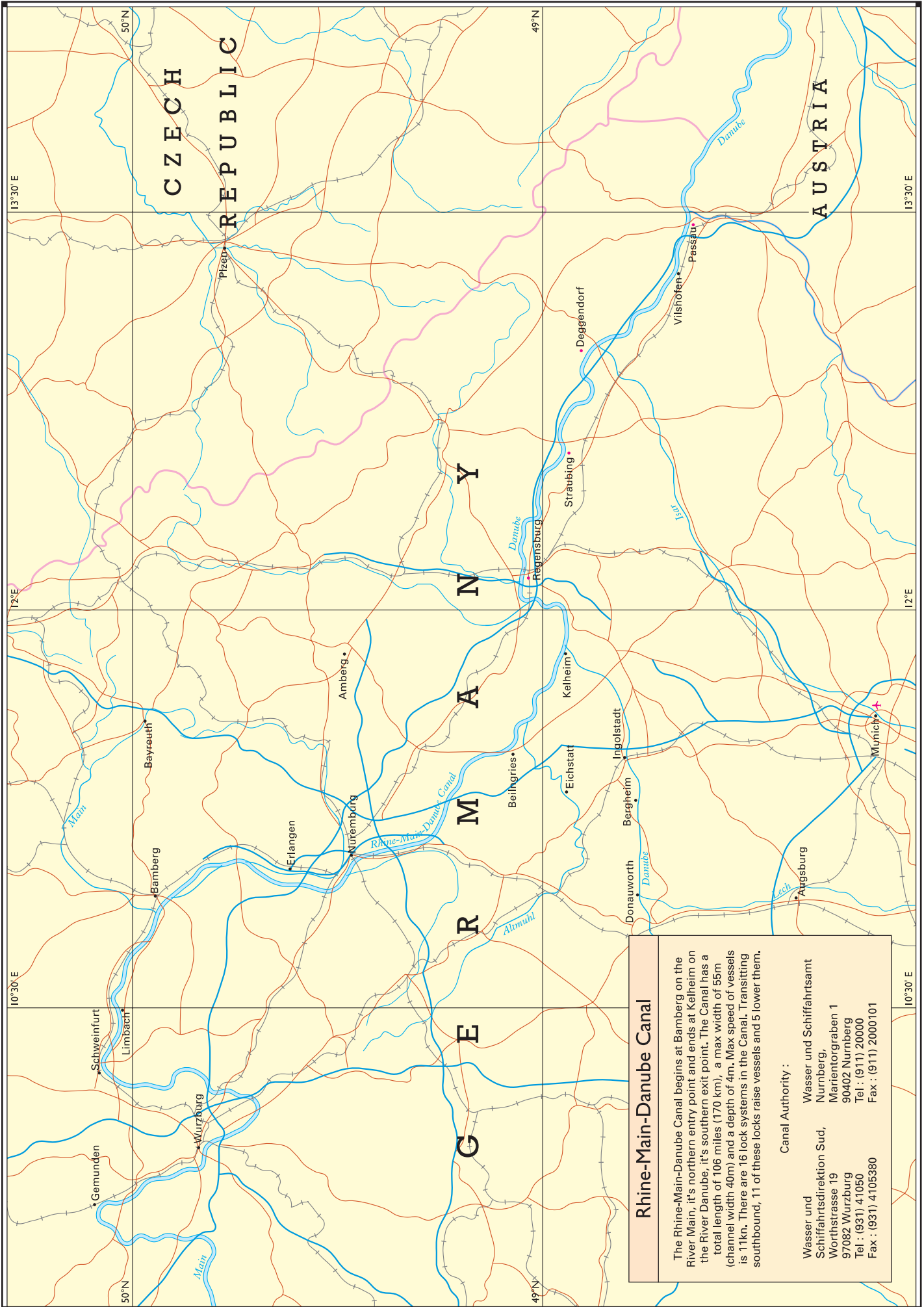
The Kiel Canal connects the North Sea and the Baltic Sea and extends from Brunsbüttel to Holtenau for a total length of 62 miles (99km). The breadth varies between 102m and 214m, max depth is 11m and the maximum height of bridges over the canal is 42m.

Maximum dimensions of vessels are as follows :  
Max loa - 235m, max breadth - 32.5m,  
max draught (for vessels up to 160m) - 9.5m,  
max air draught - 40m, max speed - 8kn.

Kiel Canal Authority : Wasser-und Schifffahrtsamt  
Kiel-Holtenau, Schleuseninsel 2,  
D-24169 Kiel, Germany  
Tel : +49 431 36030  
Fax : +49 431 3603414  
E-mail : poststelle-ki@ki.wsd-nord.de  
Website : www.wsd-nord.de/wsa-ki

Lloyd's Agents : Sartori & Berger  
P.O. Box 3807, Wall 49-51,  
D-24037 Kiel, Germany  
Tel : +49 431 96108  
E-mail : mail@sartori-berger.de  
Website : www.sartori-berger.de



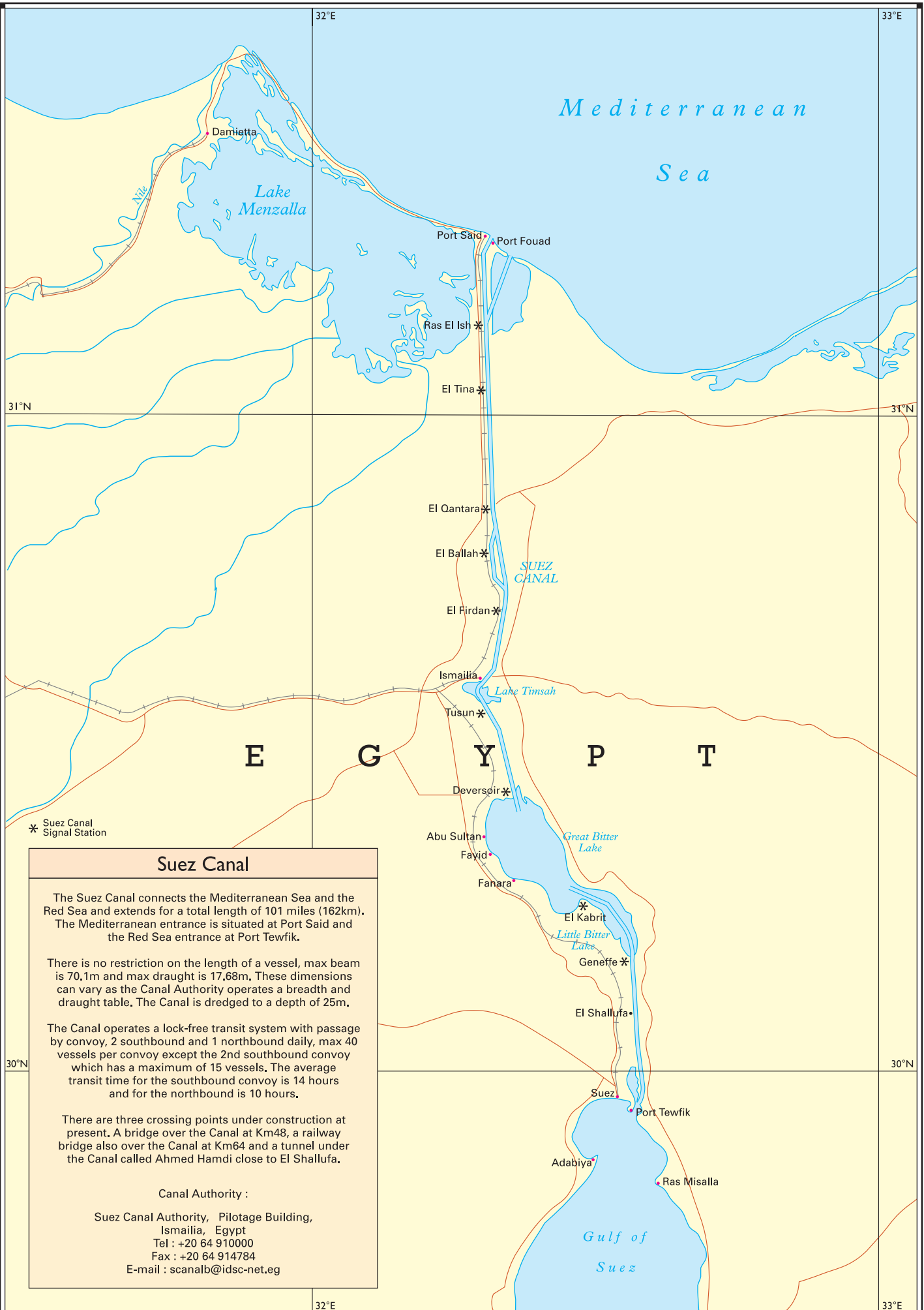
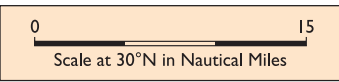


**Rhine-Main-Danube Canal**

The Rhine-Main-Danube Canal begins at Bamberg on the River Main, it's northern entry point and ends at Kelheim on the River Danube, it's southern exit point. The Canal has a total length of 106 miles (170 km), a max width of 55m (channel width 40m) and a depth of 4m. Max speed of vessels is 11kn. There are 16 lock systems in the Canal. Transiting southbound, 11 of these locks raise vessels and 5 lower them.

Canal Authority :

|  |  |
|--|--|
| Wasser und Schifffahrtsamt<br>Schiffahrtsdirektion Sud,<br>Worthstrasse 19<br>97082 Wurzburg<br>Tel : (931) 41050<br>Fax : (931) 4105380 | Wasser und Schifffahrtsamt<br>Nurnberg,<br>Marienortgraben 1<br>90402 Nurnberg<br>Tel : (911) 20000<br>Fax : (911) 2000101 |
|--|--|



**Suez Canal**

The Suez Canal connects the Mediterranean Sea and the Red Sea and extends for a total length of 101 miles (162km). The Mediterranean entrance is situated at Port Said and the Red Sea entrance at Port Tewfik.

There is no restriction on the length of a vessel, max beam is 70,1m and max draught is 17,68m. These dimensions can vary as the Canal Authority operates a breadth and draught table. The Canal is dredged to a depth of 25m.

The Canal operates a lock-free transit system with passage by convoy, 2 southbound and 1 northbound daily, max 40 vessels per convoy except the 2nd southbound convoy which has a maximum of 15 vessels. The average transit time for the southbound convoy is 14 hours and for the northbound is 10 hours.

There are three crossing points under construction at present. A bridge over the Canal at Km48, a railway bridge also over the Canal at Km64 and a tunnel under the Canal called Ahmed Hamdi close to El Shallufa.

Canal Authority :

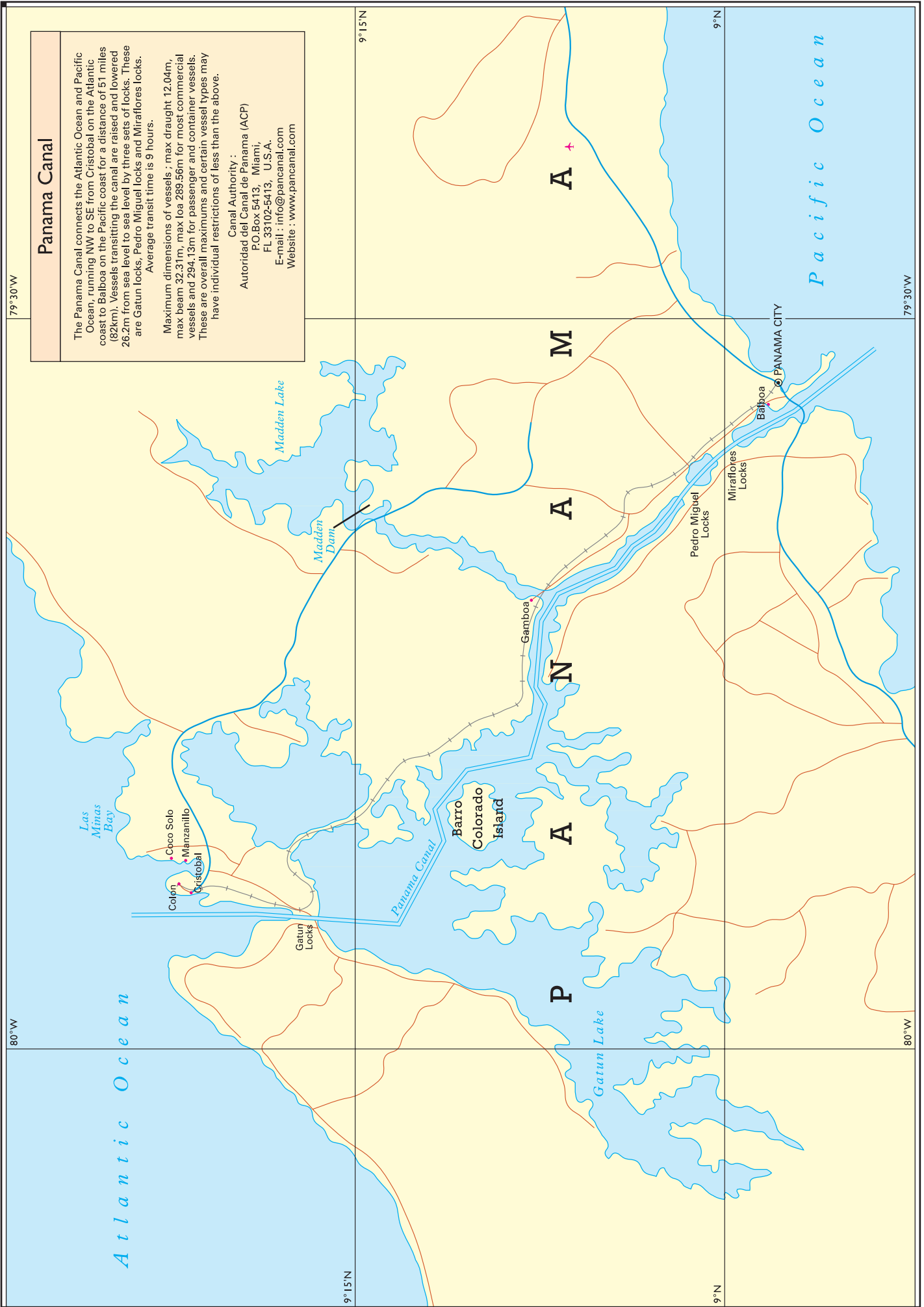
Suez Canal Authority, Pilotage Building,  
Ismailia, Egypt  
Tel : +20 64 910000  
Fax : +20 64 914784  
E-mail : scanalb@idsc-net.eg

**Panama Canal**

The Panama Canal connects the Atlantic Ocean and Pacific Ocean, running NW to SE from Cristobal on the Atlantic coast to Balboa on the Pacific coast for a distance of 51 miles (82km). Vessels transiting the canal are raised and lowered 26.2m from sea level by three sets of locks. These are Gatun locks, Pedro Miguel locks and Miraflores locks. Average transit time is 9 hours.

Maximum dimensions of vessels : max draught 12.04m, max beam 32.31m, max loa 289.56m for most commercial vessels and 294.13m for passenger and container vessels. These are overall maximums and certain vessel types may have individual restrictions of less than the above.

Canal Authority :  
Autoridad del Canal de Panama (ACP)  
P.O.Box 5413, Miami,  
FL 33102-5413, U.S.A.  
E-mail : [info@pancanal.com](mailto:info@pancanal.com)  
Website : [www.pancanal.com](http://www.pancanal.com)



**UNITED KINGDOM**

**ENGLAND**

River Thames

London 51 30 N 0 04 W

P Q Y G C R B T A

Convoys Wharf 51 29 N 0 01 W

Greenwich 51 29 N 0 00

Dagenham 51 31 N 0 09 E

Erith 51 29 N 0 11 E

Woolwich 51 30 N 0 04 E

Barking 51 31 N 0 05 E

Purfleet 51 28 N 0 15 E

Dartford 51 27 N 0 16 E

Greenhithe 51 27 N 0 17 E

Grays 51 28 N 0 18 E

Tilbury 51 27 N 0 20 E

Y G C R B T A

Gravesend 51 27 N 0 22 E

Cliffe 51 29 N 0 28 E

Y G A

Shell Haven 51 30 N 0 31 E

P Q A

Coryton 51 31 N 0 32 E

P Q G B A

Hole Haven 51 30 N 0 33 E

Canvey Island 51 31 N 0 38 E

P Q A

Chapman Anchorage 51 30 N 0 38 E

Leigh 51 33 N 0 39 E

Southend-on-Sea 51 32 N 0 43 E

River Medway

Isle of Grain 51 26 N 0 43 E

P Y G C B T A

Thamesport 51 26 N 0 42 E

G C T A

Kethole Anchorage 51 26 N 0 40 E

Bee Ness 51 26 N 0 39 E

Oakham Ness 51 25 N 0 39 E

P B T A

Kingsnorth 51 25 N 0 36 E

Y B T A

Hoo 51 25 N 0 34 E

Upnor 51 25 N 0 32 E

Strood 51 23 N 0 30 E

Rochester 51 24 N 0 30 E

Y G B T A

Halling 51 21 N 0 27 E

Snodland 51 20 N 0 27 E

Chatham 51 24 N 0 33 E

Y G R B D T A

Gillingham 51 29 N 0 33 E

Rainham 51 23 N 0 37 E

Otterham Quay 51 23 N 0 38 E

Stangate Creek 51 23 N 0 42 E

Queenborough 51 25 N 0 44 E

Y G B T A

Sheerness 51 26 N 0 44 E

Y G C R B T A

Ridham Dock 51 23 N 0 46 E

P Y G B T A

Grovehurst Jetty 51 22 N 0 46 E

Y B A

Sittingbourne 51 21 N 0 44 E

Milton Creek 51 22 N 0 46 E

Faversham 51 20 N 0 54 E

Whitstable 51 22 N 1 02 E

Y G B A

Herne Bay 51 23 N 1 08 E

Margate 51 23 N 1 23 E

North Foreland 51 22 N 1 27 E

Ramsgate 51 20 N 1 25 E

G R B T A

1A

p.16/17

1B

1C

1D

River Stour

Richborough 51 18 N 1 21 E

P G B A

Sandwich 51 16 N 1 20 E

Deal 51 13 N 1 24 E

The Downs 51 13 N 1 27 E

South Foreland 51 08 N 1 23 E

Dover 51 07 N 1 20 E

Y G C R B T A

Folkestone 51 05 N 1 12 E

G R A

Sandgate 51 04 N 1 06 E

Hythe 51 04 N 1 04 E

Dungeness 50 55 N 0 59 E

Rye 50 56 N 0 46 E

Y G T A

Hastings 50 51 N 0 35 E

Royal Sovereign Light 50 43 N 0 26 E

Beachy Head 50 44 N 0 15 E

Seaford 50 46 N 0 07 E

Newhaven 50 47 N 0 04 E

Y G C R B T A

Brighton 50 49 N 0 06 W

Shoreham 50 50 N 0 15 W

P Q Y G R B D T A

Worthing 50 48 N 0 23 W

Littlehampton 50 48 N 0 32 W

Y G A

Owers Light 50 40 N 0 41 W

Selsey Bill 50 43 N 0 47 W

Chichester Harbour

Bosham 50 48 N 0 54 W

Nab Tower 50 40 N 0 57 W

Langstone Harbour

Bedhampton 50 50 N 1 00 W

Portsmouth 50 48 N 1 06 W

Q G C R T A

Fareham 50 51 N 1 11 W

Gosport 50 48 N 1 07 W

Fort Gilkicker 50 46 N 1 08 W

Stokes Bay 50 47 N 1 09 W

Isle of Wight

Ryde 50 44 N 1 09 W

St. Helen's 50 42 N 1 05 W

Bembridge 50 41 N 1 05 W

Niton 50 35 N 1 17 W

St. Catherine's Point 50 34 N 1 18 W

Freshwater Bay 50 40 N 1 31 W

Needles 50 40 N 1 35 W

Yarmouth 50 42 N 1 30 W

Cowes 50 46 N 1 18 W

P Y G R B A

River Medina

Newport 50 42 N 1 17 W

Y G B

Fishbourne 50 44 N 1 13 W

Southampton Water

Hamble 50 49 N 1 18 W

P T A

River Itchen 50 54 N 1 22 W

Southampton 50 54 N 1 24 W

P Q Y G C R B D T A

Redbridge 50 56 N 1 28 W

River Test

Totton 50 55 N 1 29 W

Eling 50 54 N 1 28 W

Hythe 50 52 N 1 23 W

Fawley 50 49 N 1 20 W

P Q B T A

Calshot Light Vessel 50 48 N 1 17 W

Lymington 50 45 N 1 32 W

Christchurch 50 44 N 1 45 W

Bournemouth 50 43 N 1 54 W

Poole 50 43 N 1 59 W

P Q Y G C R B T A

Swanage 50 37 N 1 58 W

Weymouth 50 37 N 2 27 W

Y G R B A

2A

Portland 50 34 N 2 26 W

Q G B T A

Portland Bill 50 31 N 2 27 W

CHANNEL ISLANDS

Casquets 49 44 N 2 23 W

Alderney 49 43 N 2 12 W

P Y G A

Guernsey

St. Peter Port 49 27 N 2 32 W

P Q Y G C R B A

St. Sampson 49 29 N 2 31 W

Sark 49 26 N 2 22 W

Jersey

Corbiere Point 49 11 N 2 15 W

St. Aubin 49 11 N 2 10 W

St. Helier 49 11 N 2 07 W

P Q Y G C R B T A

Gorey 49 12 N 2 01 W

Ronez 49 15 N 2 08 W

Les Minquiers

Maitresse Island 48 58 N 2 04 W

ENGLAND

Lyme Bay

Bridport 50 43 N 2 46 W

Lyme Regis 50 43 N 2 56 W

Sidmouth 50 41 N 3 15 W

River Exe

Exmouth 50 37 N 3 25 W

Topsham 50 41 N 3 38 W

Exeter 50 43 N 3 31 W

Teignmouth 50 33 N 3 30 W

Y G R B A

Tor Bay

Torquay 50 27 N 3 32 W

Brixham 50 24 N 3 30 W

B T A

Berry Head 50 24 N 3 29 W

River Dart

Dartmouth 50 21 N 3 35 W

B A

Tuckenhay 50 24 N 3 40 W

Totnes 50 26 N 3 41 W

Start Point 50 13 N 3 39 W

Prawle Point 50 12 N 3 43 W

Salcombe 50 14 N 3 46 W

Kingsbridge 50 17 N 3 47 W

Bolt Head 50 13 N 3 47 W

Plymouth Sound

Plymouth 50 22 N 4 11 W

P Y G R B T A

Devonport 50 22 N 4 10 W

River Tamar

Saltash 50 24 N 4 12 W

St. Germans River

St. Germans 50 24 N 4 20 W

Torpoint 50 22 N 4 12 W

Eddystone Light 50 11 N 4 16 W

Looe 50 21 N 4 27 W

Fowey 50 20 N 4 38 W

Q Y G B T A

Par 50 21 N 4 42 W

P Y G B

Charlestown 50 20 N 4 45 W

Pentewan 50 17 N 4 47 W

Mevagissey 50 16 N 4 47 W

River Fal

Truro River

Truro 50 10 N 5 02 W

Y G B A

Woodbury 50 11 N 5 01 W

Penryn River

Penryn 50 10 N 5 06 W

Y G B A

Falmouth 50 10 N 5 03 W

P G B D T A

3A

p.18

3B

p.16/17

3C

3D

ENGLAND *continued*

## Helford River

Porth Navas 50 06 N 5 08 W  
 Gweek 50 05 N 5 12 W

Porthoustock Quarry 50 03 N 5 04 W

Dean Quarry 50 02 N 5 05 W

Coverack 50 01 N 5 06 W

Bass Point 49 58 N 5 11 W

Lizard 49 57 N 5 12 W

## Mount's Bay

Mullion Cove 50 01 N 5 16 W

Porth Mellin 50 01 N 5 15 W

Poldhu 50 02 N 5 16 W

Porthleven 50 05 N 5 19 W

Marazion 50 07 N 5 29 W

Penzance 50 08 N 5 32 W

Y G B D T A

Newlyn 50 08 N 5 33 W

Mousehole 50 05 N 5 32 W

Porthcurno 50 02 N 5 38 W

Wolf Rock 49 57 N 5 48 W

Land's End 50 04 N 5 43 W

Longships Light 50 04 N 5 45 W

## Isles of Scilly

St. Mary's Island

St. Mary's 49 55 N 6 19 W

G B A

St. Agnes Island 49 53 N 6 20 W

Bishop Rock 49 52 N 6 27 W

Cape Cornwall 50 08 N 5 43 W

Pendeen 50 10 N 5 40 W

St. Ives 50 13 N 5 29 W

Hayle 50 11 N 5 26 W

Portreath 50 16 N 5 17 W

St. Agnes Head 50 19 N 5 14 W

Newquay 50 25 N 5 05 W

Trevose Head 50 33 N 5 02 W

## River Camel

Padstow 50 33 N 4 56 W

Y G B A

Wadebridge 50 31 N 4 50 W

Portquin 50 35 N 4 52 W

Port Isaac 50 36 N 4 50 W

Boscastle 50 42 N 4 42 W

Bude 50 50 N 4 33 W

Hartland Point 51 01 N 4 32 W

Lundy Island 51 10 N 4 39 W

## River Torridge

Appledore 51 03 N 4 12 W

Instow 51 03 N 4 10 W

Westleigh 51 02 N 4 11 W

Northam 51 02 N 4 13 W

Bideford 51 01 N 4 12 W

G B A

## River Taw

Yelland 51 04 N 4 09 W

Fremington 51 05 N 4 08 W

Barnstaple 51 05 N 4 04 W

Ilfracombe 51 12 N 4 07 W

Lynmouth 51 14 N 3 50 W

Minehead 51 13 N 3 28 W

Watchet 51 11 N 3 20 W

G B A

## River Parrett

Combwich 51 11 N 3 03 W

Dunball 51 10 N 2 59 W

Bridgwater 51 10 N 3 00 W

Y G R B A

Highbridge 51 13 N 2 59 W

Burnham 51 15 N 3 00 W

Walton Bay 51 28 N 2 49 W

Portishead 51 29 N 2 46 W

King Road 51 30 N 2 46 W

## River Avon

Portbury 51 30 N 2 44 W

Avonmouth 51 30 N 2 43 W

Bristol 51 27 N 2 38 W

P Q Y G C R B D T A

## River Severn

Lydney 51 43 N 2 32 W

G A

4A

Sharpness 51 43 N 2 29 W

Y G C R B D T A

Gloucester 51 52 N 2 13 W

## WALES

## River Wye

Chepstow 51 39 N 2 40 W

## River Usk

Newport 51 34 N 2 59 W

Y G C R B D A

Cardiff 51 28 N 3 11 W

P Y G C B D T A

Penarth 51 26 N 3 10 W

Barry 51 24 N 3 16 W

P Q Y G C B T A

Barry Island 51 23 N 3 16 W

Porthcawl 51 28 N 3 42 W

Port Talbot 51 35 N 3 43 W

Y G R B T A

## River Neath

Briton Ferry 51 37 N 3 50 W

Y G C B A

Neath 51 38 N 3 50 W

Swansea 51 37 N 3 56 W

P Q Y G C R B D T A

Mumbles 51 34 N 3 58 W

Llanelli 51 40 N 4 10 W

Burry Port 51 40 N 4 15 W

## River Towy

Carmarthen 51 51 N 4 18 W

Saundersfoot 51 43 N 4 42 W

Tenby 51 42 N 4 43 W

Caldy Island 51 38 N 4 41 W

St. Govan's Head 51 36 N 4 55 W

## Milford Haven

P Q G R B D T A

Angle Bay 51 41 N 5 05 W

Pembroke 51 42 N 4 57 W

West Cleddau River

Haverfordwest 51 48 N 4 58 W

Neyland 51 42 N 4 57 W

Milford Docks 51 43 N 5 02 W

Dale Roads 51 42 N 5 09 W

St. Ann's Head 51 41 N 5 10 W

Smalls Light 51 43 N 5 40 W

## St. Bride's Bay

Solva 51 52 N 5 12 W

St. David's Head 51 54 N 5 19 W

Fishguard 52 01 N 4 59 W

G C R B A

Newport 52 01 N 4 50 W

Cardigan 52 05 N 4 39 W

New Quay 52 13 N 4 22 W

Aberaeron 52 15 N 4 15 W

Aberystwyth 52 24 N 4 06 W

Borth 52 29 N 4 03 W

## River Dovey

Aberdovey 52 32 N 4 03 W

Barmouth 52 43 N 4 03 W

Porthmadog (Portmadoc) 52 55 N 4 08 W

Pwllheli 52 53 N 4 25 W

Llanbedrog 52 51 N 4 28 W

Abersoch 52 50 N 4 30 W

St. Tudwal's Roads 52 48 N 4 28 W

Bardsey Island 52 45 N 4 48 W

Porth Dinllaen 52 57 N 4 34 W

Porth Nefyn 52 55 N 4 31 W

Carreg-y-Llam 52 58 N 4 28 W

Porth y Nant 52 58 N 4 28 W

Port Rivals 52 59 N 4 28 W

Port Trevor 53 00 N 4 25 W

Clynnog 53 01 N 4 22 W

## Menai Strait

Caernarfon 53 09 N 4 16 W

Port Dinorwic 53 11 N 4 13 W

## Anglesey

South Stack 53 18 N 4 42 W

Holyhead 53 19 N 4 37 W

Y G R B T

Skerries Light 53 25 N 4 36 W

Cemaes Bay 53 25 N 4 27 W

Amlwch Terminal 53 25 N 4 20 W

5A

Point Lynas 53 25 N 4 17 W

Moelfre Roads 53 21 N 4 14 W

Redwharf Bay 53 19 N 4 12 W

Dinmor 53 18 N 4 03 W

Beaumaris 53 16 N 4 05 W

Bangor 53 14 N 4 08 W

Port Penrhyn 53 14 N 4 06 W

Y G R B

Penmaenmawr 53 16 N 3 57 W

Conwy 53 18 N 3 51 W

Deganwy 53 18 N 3 50 W

Great Ormes Head 53 21 N 3 52 W

Llandudno 53 19 N 3 49 W

Llanddulas 53 18 N 3 39 W

Y A

Rhyl 53 19 N 3 29 W

## River Dee

Point of Air 53 21 N 3 19 W

Mostyn 53 19 N 3 14 W

Q Y G R B T A

Flint 53 15 N 3 08 W

Connah's Quay 53 14 N 3 04 W

Shotton 53 12 N 3 02 W

G A

Queensferry 53 12 N 3 01 W

5B

## ENGLAND

Saltney 53 11 N 2 56 W

Chester 53 12 N 2 54 W

Bar Light 53 32 N 3 19 W

## River Mersey

Wallasey 53 25 N 3 03 W

Birkenhead 53 24 N 3 01 W

Tranmere 53 22 N 3 00 W

Rock Ferry 53 21 N 3 00 W

Bromborough 53 21 N 2 59 W

## Manchester Ship Canal

Eastham 53 21 N 2 58 W

P B A

Ellesmere Port 53 17 N 2 54 W

P Y G B A

Stanlow 53 17 N 2 52 W

P Q B A

Ince 53 17 N 2 51 W

P B A

Frodsham 53 18 N 2 44 W

River Weaver

Winnington 53 17 N 2 31 W

Anderton 53 16 N 2 32 W

Northwich 53 15 N 2 31 W

Weston Church Wall 53 19 N 2 45 W

Weston Point 53 20 N 2 46 W

Runcorn 53 21 N 2 44 W

P Q Y G B A

Acton Grange 53 22 N 2 38 W

Warrington 53 24 N 2 36 W

Latchford 53 23 N 2 34 W

Cadishead 53 24 N 2 27 W

Partington 53 26 N 2 26 W

P Q B A

Irlam 53 26 N 2 25 W

Barton 53 28 N 2 22 W

Irwell 53 28 N 2 21 W

Weaste 53 28 N 2 20 W

Mode Wheel 53 27 N 2 20 W

Manchester 53 28 N 2 17 W

P Q Y G B D T A

## River Mersey

Widnes 53 21 N 2 44 W

Garston 53 21 N 2 54 W

Y G B A

Dingle 53 22 N 2 58 W

Liverpool 53 25 N 3 00 W

P Q Y G C R B D T A

Seaforth 53 28 N 3 01 W

Southport 53 39 N 3 01 W

## River Ribble

Preston 53 45 N 2 42 W

Blackpool 53 50 N 3 03 W

6A

6B

6C

6D

4B

4C

4D

5C

5D



## UNITED KINGDOM

## SCOTLAND

Annan 54 59 N 3 16 W

River Nith

Glencaple 55 01 N 3 35 W

Dumfries 55 04 N 3 37 W

River Urr

Kippford 54 53 N 3 49 W

Palnackie 54 53 N 3 51 W

Dalbeattie 54 56 N 3 49 W

Kirkcudbright 54 50 N 4 03 W

G B A

Creetown 54 54 N 4 22 W

Wigtown 54 52 N 4 26 W

Garlieston 54 48 N 4 22 W

G A

Isle of Whithorn 54 42 N 4 22 W

G

Port William 54 46 N 4 35 W

Drummore 54 41 N 4 53 W

Mull of Galloway 54 38 N 4 51 W

Port Logan 54 42 N 4 57 W

Portpatrick 54 50 N 5 07 W

Corsewall Point 55 00 N 5 09 W

Stranraer 54 55 N 5 02 W

G R B A

Cairnryan 54 58 N 5 01 W

Ballantrae 55 06 N 5 00 W

Girvan 55 15 N 4 52 W

Y G A

Firth of Clyde

Ayr 55 28 N 4 38 W

Y G R B A

Troon 55 33 N 4 41 W

G B A

Irvine 55 36 N 4 41 W

Ardrossan 55 38 N 4 49 W

P Y G C R B T A

Hunterston 55 45 N 4 53 W

Y B A

Fairlie 55 46 N 4 52 W

Largs 55 48 N 4 52 W

G R A

Wemyss Bay 55 53 N 4 53 W

Inverkip 55 55 N 4 52 W

Gourock 55 57 N 4 48 W

G R A

Tail of Bank 55 57 N 4 45 W

River Clyde

Greenock 55 57 N 4 44 W

Y G C R B D A

Port Glasgow 55 56 N 4 41 W

G B A

River Cart

Paisley 55 51 N 4 26 W

Renfrew 55 52 N 4 24 W

Glasgow 55 52 N 4 17 W

Y G R B D T A

Dalmuir 55 54 N 4 26 W

Old Kilpatrick 55 55 N 4 27 W

Bowling 55 56 N 4 30 W

Forth and Clyde Canal (W. Entrance)

Dunglass 55 56 N 4 31 W

Dumbarton 55 56 N 4 34 W

Gareloch

Shandon 56 03 N 4 49 W

Faslane Dock 56 04 N 4 49 W

Garelochhead 56 05 N 4 50 W

Rosneath 56 01 N 4 48 W

Kilcreggan 55 59 N 4 49 W

Loch Long

Finnart 56 07 N 4 50 W

P A

Glenmellan 56 07 N 4 49 W

Coulport 56 04 N 4 53 W

Holy Loch

10A

Strone Point 55 59 N 4 54 W

Dunoon 55 56 N 4 55 W

G R A

Toward Point 55 52 N 4 59 W

Ardyne Point 55 52 N 5 02 W

Loch Striven 55 57 N 5 05 W

Isle of Bute

Kames Bay

Port Bannatyne 55 52 N 5 04 W

Rothesay 55 50 N 5 03 W

G R B A

Loch Fyne

Portavadie 55 52 N 5 18 W

Inveraray 56 13 N 5 05 W

Furnace 56 09 N 5 11 W

Ardrihaig 56 00 N 5 26 W

Y G B

Crinan Canal (S. Entrance)

Tarbert 55 52 N 5 26 W

Isle of Arran

Brodict 55 34 N 5 06 W

Lamlash 55 32 N 5 04 W

Kildonan Point 55 27 N 5 06 W

Campbeltown 55 25 N 5 35 W

G R B A

Mull of Kintyre 55 18 N 5 48 W

Gigha Island 55 39 N 5 46 W

Islay Island

Ardbeg 55 38 N 6 06 W

Port Ellen 55 37 N 6 13 W

G R A

Loch Indaal

Bowmore 55 46 N 6 17 W

Bruichladdich 55 46 N 6 22 W

Kilchoman 55 47 N 6 28 W

Bunnahabhainn Bay 55 53 N 6 07 W

Port Askaig 55 51 N 6 06 W

G R B A

Jura Island

Feolin 55 51 N 6 05 W

Craighouse

Oronsay Island 56 02 N 6 11 W

Colonsay Island 56 03 N 6 11 W

Loch Crinan 56 05 N 5 34 W

Crinan Canal (N. Entrance)

Oban 56 25 N 5 29 W

G R B A

Loch Etive

Bonawe 56 26 N 5 14 W

Lismore Island 56 27 N 5 36 W

Barcaldine 56 31 N 5 24 W

Loch Linnhe

Glensanda 56 34 N 5 32 W

Y

Loch Leven

Kinlochleven 56 43 N 4 59 W

Fort William 56 49 N 5 07 W

Corpach 56 50 N 5 07 W

G B A

Caledonian Canal (S. Entrance)

Sound of Mull

Loch Aline 56 32 N 5 47 W

Mull Island

Tobermory 56 37 N 6 03 W

Craignure 56 28 N 5 42 W

Dubh Artach 56 08 N 6 38 W

Skerryvore 56 19 N 7 07 W

Tiree Island 56 31 N 6 48 W

Coll Island 56 37 N 6 32 W

Loch Sunart

Strontian 56 42 N 5 34 W

Kilchoan 56 41 N 6 07 W

Mallaig 57 00 N 5 50 W

G R B

Glenelg 57 13 N 5 38 W

Kyle of Lochalsh 57 17 N 5 44 W

P G B T A

Isle of Skye

Kyleakin 57 16 N 5 44 W

Carbost 57 18 N 6 23 W

Orbost 57 23 N 6 34 N

Dunvegan 57 27 N 6 35 W

11A

Vaternish Point 57 36 N 6 38 W

Uig 57 35 N 6 21 W

Portree 57 24 N 6 11 W

P G B A

Loch Carron

South Strome 57 21 N 5 34 W

Loch Kishorn

Kishorn 57 23 N 5 36 W

Applecross 57 26 N 5 49 W

Loch Torridon 57 36 N 5 49 W

Gairloch 57 43 N 5 41 W

Loch Ewe

Aultbea 57 50 N 5 36 W

Ullapool 57 54 N 5 10 W

G R B

Lochinver 58 09 N 5 15 W

Kinlochbervie 58 27 N 5 02 W

OUTER HEBRIDES

Barra Island

Castlebay 56 56 N 7 28 W

South Uist

Lochboisdale 57 09 N 7 18 W

G R B A

Loch Carnan 57 20 N 7 15 W

Benbecula 57 25 N 7 23 W

North Uist

Loch Eport 57 33 N 7 08 W

Lochmaddy 57 36 N 7 08 W

G R B A

St. Kilda 57 49 N 8 34 W

Lewis

Butt of Lewis 58 31 N 6 16 W

Tiumpan Head 58 16 N 6 08 W

Stornoway 58 12 N 6 23 W

P Q G R B T A

Sound of Harris

Leverburgh 57 46 N 7 01 W

Scarp 58 01 N 7 10 W

Cape Wrath 58 37 N 5 00 W

Durness 58 34 N 4 44 W

Sule Skerry 59 05 N 4 24 W

Scrabster 58 37 N 3 32 W

P G R B A

Thurso 58 35 N 3 31 W

Pentland Firth

Dunnet Head 58 40 N 3 22 W

Canisbay 58 38 N 3 08 W

Duncansby Head 58 39 N 3 01 W

Pentland Skerries 58 41 N 2 55 W

ORKNEY ISLANDS

Stroma 58 40 N 3 08 W

Swona 58 44 N 3 04 W

South Ronaldsay

St. Margaret's Hope 58 50 N 2 57 W

Burray 58 51 N 2 54 W

Scapa Flow

P Q Y G R B T A

Flotta

Flotta Terminal 58 49 N 3 07 W

South Walls 58 47 N 3 08 W

Hoy

Longhope 58 49 N 3 11 W

Lyness 58 50 N 3 11 W

Mainland Orkney

Scapa 58 57 N 3 00 W

Stromness 58 58 N 3 18 W

Kirkwall 59 00 N 2 59 W

P Y G C R B T A

Shapinsay 59 03 N 2 51 W

Stronsay

Lamb Head 59 05 N 2 32 W

Sanday 59 13 N 2 30 W

Westray

Pierowall Harbour 59 19 N 2 58 W

Noup Head 59 20 N 3 04 W

North Ronaldsay

Dennis Head 59 23 N 2 23 W

12A

10B

11B

12B

10C

11C

12C

10D

11D

12D





ENGLAND *continued*

Selby 53 47 N 1 04 W  
 G A

River Trent  
 Burton upon Stather 53 39 N 0 41 W  
 G

Flixborough 53 37 N 0 41 W  
 Y G C

Neap House 53 37 N 0 40 W  
 Y G

Grove Wharf 53 36 N 0 41 W  
 P Q Y G

Keadby 53 36 N 0 40 W  
 P Y G

Gunness Wharf 53 35 N 0 41 W  
 P Q Y G

Althorpe Wharf 53 34 N 0 44 W  
 Beckingham 53 24 N 0 50 W  
 Gainsborough 53 24 N 0 46 W  
 Whitton 53 43 N 0 38 W  
 Barton on Humber 53 42 N 0 26 W  
 Barrow on Humber 53 41 N 0 23 W  
 New Holland 53 42 N 0 21 W  
 Y G B A

North Killingholme 53 39 N 0 14 W  
 Y G C R

South Killingholme 53 38 N 0 12 W  
 P Q

Immingham 53 38 N 0 11 W  
 P Q Y G C R B T A

Grimsby 53 35 N 0 04 W  
 Y G C R B T A

Tetney Terminal 53 34 N 0 07 E  
 P B T A

River Witham  
 Boston 52 58 N 0 01 W  
 Y G C R B T A

River Welland  
 Fosdyke 52 52 N 0 02 W  
 River Nene  
 Sutton Bridge 52 46 N 0 12 E  
 Y G C B T A

Wisbech 52 39 N 0 09 E  
 Y G B T A

River Ouse  
 King's Lynn 52 45 N 0 24 E  
 P Q Y G C R B T A

Snettisham 52 53 N 0 30 E  
 Wells 52 58 N 0 51 E  
 Cromer 52 56 N 1 18 E  
 Caister 52 38 N 1 43 E  
 River Yare  
 Great Yarmouth 52 36 N 1 44 E  
 P Y G C R B D T A

Reedham 52 33 N 1 34 E  
 Cantley 52 34 N 1 32 E  
 Norwich 52 38 N 1 17 E  
 Gorleston 52 35 N 1 44 E  
 River Waveney  
 Lowestoft 52 28 N 1 45 E  
 Y G C B D T A

Oulton Broad 52 29 N 1 44 E  
 Southwold 52 20 N 1 41 E  
 Aldeburgh 52 09 N 1 36 E  
 River Alde  
 Orford Haven 52 05 N 1 32 E  
 Snape Bridge 52 09 N 1 30 E  
 Bawdsey 52 01 N 1 25 E  
 River Deben  
 Woodbridge 52 05 N 1 19 E

16A

Felixstowe 51 57 N 1 19 E  
 P Q Y G C R B T A

River Orwell  
 Butterman's Bay 52 00 N 1 14 E  
 Pinnmill 52 00 N 1 13 E  
 Ipswich 52 03 N 1 10 E  
 P Y G C R B T A

River Stour  
 Manningtree 51 57 N 1 04 E  
 Mistley 51 57 N 1 05 E  
 Y G A

Parkeston Quay 51 57 N 1 15 E  
 Harwich 51 57 N 1 17 E  
 P Y G C R B A

Great Oakley 51 54 N 1 15 E  
 The Naze 51 52 N 1 17 E  
 River Colne  
 Brightlingsea 51 47 N 1 02 E  
 Y G B T A

Wivenhoe 51 52 N 0 57 E  
 Colchester 51 53 N 0 55 E  
 Rowhedge 51 51 N 0 57 E  
 Fingringhoe 51 50 N 0 58 E  
 Mersea Island 51 46 N 0 54 E  
 River Blackwater  
 Tollesbury 51 45 N 0 51 E  
 Heybridge 51 43 N 0 42 E  
 Maldon 51 44 N 0 40 E  
 G B A

16B

Stansgate 51 43 N 0 47 E  
 Bradwell 51 45 N 0 53 E  
 River Crouch  
 Burnham on Crouch 51 37 N 0 49 E  
 Creeksea 51 37 N 0 47 E  
 Y G A

Battlesbridge 51 37 N 0 34 E  
 River Roach  
 Rochford 51 35 N 0 44 E  
 G A

16C

## FAROES (FAEROE) (Danish)

Suduroy  
 Hvalba 61 36 N 6 57 W  
 Tvøroyri 61 33 N 6 48 W  
 Q Y G C A

Trongisvagsfjordur 61 32 N 6 45 W  
 Drelnaes 61 32 N 6 48 W  
 Vagur 61 28 N 6 48 W  
 G

Sandoy  
 Sandsfjordur (Sans Vaag)  
 61 49 N 6 48 W  
 Skopun 61 54 N 6 52 W  
 Dalur 61 46 N 6 40 W

16D

Vagar  
 Sandvagar 62 03 N 7 08 W  
 Midvagar 62 02 N 7 11 W  
 Sorvagar 62 05 N 7 25 W

Streymoy  
 Torshavn (Thorshavn) 62 00 N 6 45 W  
 P Y G C R B T A

Kollafjordur 62 07 N 6 54 W  
 Vestmanna 62 09 N 7 10 W  
 G

Streymnes 62 11 N 7 01 W  
 Hosvik 62 09 N 6 56 W

Eysturoy  
 Skalafjordur  
 Toftir 62 05 N 6 43 W  
 Runavik 62 06 N 6 43 W  
 Saltangara 62 07 N 6 42 W  
 Kongshavn 62 07 N 6 43 W  
 Skali 62 08 N 6 45 W  
 Nordskali 62 12 N 6 59 W  
 Strendur 62 07 N 6 45 W  
 Gota 62 11 N 6 42 W  
 Fuglafjordur 62 15 N 6 49 W  
 P Q Y G C R B T A

Bordoy

17A

Klaksvik 62 14 N 6 35 W  
 G B A

## ICELAND

Hornafjordur  
 Q Y G C B D T A

Hofn 64 16 N 15 13 W  
 Djupivogur 64 40 N 14 15 W  
 G

Breidhdalsvik 64 44 N 13 59 W  
 Stodhvarfjordur 64 50 N 13 50 W  
 G B A

Faskrudhsfjordur  
 P G B A

Budir 64 56 N 13 48 W  
 Reydhafjordur  
 Eskifjordur 65 05 N 13 59 W  
 G C B A

Budareyri 65 02 N 14 12 W  
 Nordfjordur  
 Neskaupstadur 65 09 N 13 41 W  
 P G C B A

17B

Seydhisfjordur 65 15 N 13 55 W  
 P G C R B A

Njardhvik 65 35 N 13 51 W  
 Vopnafjordur 65 45 N 14 49 W  
 G

Bakkafjordur 66 03 N 14 45 W  
 Thorshofn 66 12 N 15 20 W  
 G

Raufarhofn 66 27 N 15 54 W  
 Kopasker 66 17 N 16 27 W  
 Husavik 66 03 N 17 22 W  
 P G C A

17C

Eyjafjordur  
 Grenivik 65 58 N 18 12 W  
 G A

Svalbardhseyri 65 45 N 18 06 W  
 Akureyri 65 41 N 18 03 W  
 P Y G C B D T A

Krossanes 65 42 N 18 07 W  
 Hjalteyri 65 51 N 18 12 W  
 Dalvik 65 58 N 18 31 W  
 G A

Hrisey 66 02 N 18 25 W  
 Olafsfjordur 66 05 N 18 38 W  
 Siglufjordur 66 12 N 18 52 W  
 G B A

17D

Hofsos 65 53 N 19 24 W  
 Grafaros 65 33 N 19 24 W  
 Saudarkrokur 65 45 N 19 36 W  
 Hofdhakaupstadur (Skagastrond)  
 65 50 N 20 19 W  
 Blonduos 65 40 N 20 18 W  
 Hvammstangi 65 24 N 20 57 W  
 B A

Bordeyri 65 13 N 21 09 W  
 Holmavik 65 42 N 21 41 W  
 Djupavik 65 57 N 21 34 W  
 Nordurfjordur 66 02 N 21 34 W  
 Hesteyri 66 21 N 22 51 W  
 Isafjordur 66 05 N 23 06 W  
 P G C B A

Bolungavik 66 10 N 23 14 W  
 G A

Sugandafjordur  
 Sudhureyri 66 08 N 23 32 W  
 Flatheyri 66 03 N 23 29 W  
 Dyrafjordur  
 Thingeyri 65 52 N 23 29 W  
 Bildudalur 65 41 N 23 36 W  
 Talknafjordur 65 37 N 23 49 W  
 Patrekshofn (Vatneyri) 65 35 N 23 59 W  
 Flathey 65 22 N 22 55 W

18A

18B

18C

18D



NORWAY *continued*

Aukra 62 47 N 6 58 E  
 Midsund 62 42 N 6 42 E  
 Molde 62 44 N 7 10 E  
 P Y G C R B A  
 Hjelset 62 46 N 7 30 E  
 Romsdalsfjord  
 Aandalsnes 62 34 N 7 41 E  
 Vestnes 62 38 N 7 04 E  
 Tomrefjord  
 Tomra 62 34 N 6 55 E  
 Fiksdal 62 37 N 6 52 E  
 Spjelkavik 62 27 N 6 22 E  
 Fiskarstranda 62 26 N 6 16 E  
 Humblen 62 26 N 6 18 E  
 More 62 28 N 6 09 E  
 Aalesund 62 28 N 6 10 E  
 P G C R B T A

Storfjord  
 Merok 62 06 N 7 13 E  
 Hellesylt 62 05 N 6 53 E  
 Oye 62 12 N 6 40 E  
 Geiranger 62 06 N 7 13 E  
 Norddal 62 15 N 7 15 E  
 Solevaag 62 24 N 6 20 E  
 Taffjord  
 Fjora 62 18 N 7 21 E  
 Sykkylven 62 23 N 6 35 E  
 Ikorntnes 62 23 N 6 31 E  
 Festoy 62 22 N 6 20 E  
 Hjorungavaag 62 21 N 6 05 E  
 Hareid 62 22 N 6 02 E  
 Ulsteinvik 62 21 N 5 51 E  
 Fosnavaag 62 21 N 5 38 E  
 Eggesbones 62 19 N 5 39 E  
 Moltustranda 62 18 N 5 39 E  
 Gursken 62 14 N 5 33 E  
 Gurskebotn 62 13 N 5 39 E  
 Larsnes 62 12 N 5 39 E  
 Volda 62 09 N 6 04 E  
 Voksa 62 14 N 5 27 E  
 Haugsholmen 62 10 N 5 24 E  
 Aaheim 62 03 N 5 31 E  
 Selje 62 03 N 5 22 E  
 Vaagsoy

Maaloy 61 55 N 5 07 E  
 G C R B A  
 Raudeberg 61 59 N 5 06 E  
 Deknepoll 61 55 N 5 08 N  
 Nordfjord  
 Bryggja 61 56 N 5 25 E  
 Loen 61 52 N 6 51 E  
 Stryn 61 55 N 6 44 E  
 Olden 61 50 N 6 49 E  
 Sandane 61 46 N 6 13 E  
 Davika 61 53 N 5 33 E

Bremanger  
 Haugsvik 61 50 N 5 00 E  
 Svelgen 61 46 N 5 18 E  
 Y G A

Kalvaag 61 46 N 4 53 E  
 Floro 61 36 N 5 02 E  
 P Q Y G C R B T A

Eikefjord 61 36 N 5 28 E  
 Fordefjord  
 Naustdal 61 31 N 5 43 N  
 Forde 61 27 N 5 51 E  
 Askvoll 61 21 N 5 04 E  
 Dalsfjord  
 Holmedal 61 21 N 5 11 E  
 Bygstad 61 23 N 5 40 E  
 Risnes 61 09 N 5 10 E  
 Steinsund 61 05 N 4 49 E  
 Utvaer 61 02 N 4 31 E

Sognefjord  
 Vadheim 61 12 N 5 49 E  
 Hoyanger 61 13 N 6 04 E  
 Y G A

Balholm 61 13 N 6 32 E  
 Balestrand 61 14 N 6 33 E  
 Mundal 61 24 N 6 45 E  
 Sogndal 61 14 N 7 06 E  
 Ofredal 61 12 N 7 31 E  
 Skjolden 61 29 N 7 36 E

22A

Aardalstangen 61 14 N 7 42 E  
 P Y G B A  
 Laerdaloyri 61 06 N 7 29 E  
 Revsnæs 61 09 N 7 16 E  
 Flaam 60 50 N 7 08 E  
 Undredal 60 57 N 7 06 E  
 Gudvangen 60 52 N 6 50 E  
 Dyrdal 60 57 N 6 56 E  
 Vik 61 05 N 6 35 E  
 Bjordal 61 04 N 5 48 E  
 Fensfjord  
 Halsvik 60 50 N 5 05 E  
 Masfjorden 60 47 N 5 17 E  
 Elvik 60 45 N 5 17 E  
 Natas 60 43 N 5 18 E  
 Mongstad 60 49 N 5 02 E  
 P Q Y G R B T A

22B

Eikefet 60 42 N 5 33 E  
 Fedje 60 45 N 4 44 E  
 Sture 60 37 N 4 51 E  
 P Q T A

Kollsnes 60 34 N 4 50 E  
 Tyssebotn 60 37 N 5 35 E  
 Vaksdal 60 29 N 5 45 E  
 Garnes 60 26 N 5 29 E  
 Florvaag 60 27 N 5 13 E  
 Skaalevik 60 22 N 5 13 E  
 Sandvik 60 25 N 5 19 E  
 Bergen 60 24 N 5 19 E  
 P Q Y G C R B D T A

22C

Puddefjord  
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 Saevareid 60 11 N 5 46 E  
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**P** Petroleum **Q** Other Liquid Bulk **Y** Dry Bulk **G** General Cargo  
**C** Containers **R** Ro-Ro **B** Bunkers **D** Dry Dock **T** Towage  
**A** Airport (within 100km)

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Barstahamn 62 52 N 18 24 E  
Salsaker 63 00 N 18 17 E  
Ullanger 63 01 N 18 12 E  
Askja 63 01 N 18 13 E  
Docksta 63 03 N 18 20 E  
Ulvohamn 63 01 N 18 39 E  
Kopmanholmen 63 11 N 18 38 E  
Hornskaten 63 13 N 18 53 E  
Arnas 63 15 N 18 46 E  
Domsjo 63 16 N 18 44 E  
Horneborg 63 17 N 18 43 E  
Ornskoldsvik 63 16 N 18 43 E

Q G C R B T A

Aline 63 16 N 18 46 E  
Skagenshamn 63 13 N 19 02 E  
Husum 63 20 N 19 09 E  
Rundvik 63 32 N 19 27 E  
Nordmaling (Nottholmen) 63 34 N 19 29 E  
Norrbyskar 63 33 N 19 53 E  
Hornefors 63 37 N 19 54 E  
Bredskar 63 40 N 20 19 E  
Bredvik 63 41 N 20 18 E  
Obbola 63 42 N 20 20 E  
Umea 63 42 N 20 21 E

P Y G R B A

Sandvik 63 43 N 20 23 E  
Djupvik 63 43 N 20 22 E  
Holmsund 63 42 N 20 21 E  
Ratan 64 00 N 20 54 E  
Sikea 64 08 N 20 59 E  
Robertsfors 64 12 N 20 55 E  
Gumbodahamn 64 13 N 21 05 E  
Krakanger 64 13 N 21 15 E  
Kallviken 64 20 N 21 22 E  
Bjuroklubb 64 29 N 21 35 E  
Backfors 64 30 N 21 25 E  
Burea 64 37 N 21 15 E  
Orviken 64 40 N 21 13 E  
Skelleftea 64 44 N 20 57 E

P Q Y G R B T A

Ursviken 64 42 N 21 11 E  
Savenas 64 41 N 21 13 E  
Skelleftehamn 64 41 N 21 15 E  
Ronnskar 64 40 N 21 17 E  
Kagefjarden  
Kage 64 50 N 21 02 E  
Storkage 64 50 N 21 01 E  
Frostkage 64 52 N 21 02 E  
Furuogrund 64 55 N 21 14 E  
Byske 64 57 N 21 11 E  
Batvik 64 57 N 21 18 E  
Brannfors 65 01 N 21 24 E  
Storfors 65 18 N 21 23 E  
Bergsviken 65 19 N 21 23 E  
Pitea 65 19 N 21 30 E

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31D

Haraholmen 65 14 N 21 38 E

P Q Y G R B T A

Lovholmen 65 18 N 21 29 E  
Munksund 65 17 N 21 29 E  
Skuthamn 65 16 N 21 31 E  
Lulea 65 35 N 22 10 E

P Y G R B T A

Torehamn 65 54 N 22 40 E  
Torefors 65 53 N 22 41 E  
Kalix 65 51 N 23 08 E

P G A

Karlsborg 65 48 N 23 17 E  
Axelsvik 65 46 N 23 23 E  
Batskarsnas 65 47 N 23 25 E  
Seskaro Island  
Granvik 65 45 N 23 45 E  
Sandvik 65 44 N 23 45 E  
Salmis 65 48 N 24 01 E  
Haparandahamn 65 46 N 23 54 E

## FINLAND

Tornio 65 51 N 24 09 E

Q Y G C B A

Roytta 65 46 N 24 09 E  
Kemi 65 44 N 24 34 E

P Y G R B T A

Veitsiluoto 65 42 N 24 37 E

G C R B T A

Ajos 65 40 N 24 34 E  
Martinniemi 65 13 N 25 17 E  
Haukipudas 65 11 N 25 21 E  
Pateniemi 65 05 N 25 24 E  
Toppila 65 02 N 25 26 E  
Oulu 65 00 N 25 28 E

P Q Y G C R B D T A

Nuottasaari 65 00 N 25 25 E  
Oritkarin Laituri 65 00 N 25 59 E  
Raaha 64 41 N 24 29 E

P Y G C B T A

Lapaluoto 64 40 N 24 25 E  
Kalajoki 64 15 N 23 56 E  
Rahja 64 12 N 23 44 E  
Kokkola 63 50 N 23 08 E

P Q Y G C B T A

Ykspihlaja 63 50 N 23 06 E  
Leppaluoto 63 43 N 22 42 E  
Alholmen 63 42 N 22 42 E  
Pietarsaari (Jakobstad) 63 41 N 22 42 E

P Y G R T A

Uusikaarlepyy 63 31 N 22 32 E  
Monas 63 28 N 22 19 E  
Storonsund 63 25 N 22 16 E  
Stora Granskar 63 20 N 22 17 E  
Heplotsund 63 19 N 22 12 E  
Bjorkholmssund 63 19 N 22 14 E  
Hellnas 63 17 N 22 13 E  
Lekmosund 63 16 N 21 56 E  
Tottesund 63 14 N 21 58 E  
Gloskar 63 17 N 21 36 E  
Maxmo 63 12 N 22 02 E  
Aspskar 63 07 N 21 29 E  
Vaasa (Vasa) 63 06 N 21 37 E

P Y G R B T A

Vaskiluoto 63 05 N 21 32 E  
Sillgrund 63 00 N 21 19 E  
Bjorkskaren 62 55 N 21 13 E  
Kaskinen (Kasko) 62 23 N 21 13 E

G Y A

Koberget 62 21 N 21 13 E  
Klobbskar 62 20 N 21 17 E  
Kristiinankaupunki (Kristinestad)  
62 16 N 21 19 E

P Y G R T A

Bobergshamn 62 09 N 21 22 E  
Risby 61 57 N 21 26 E  
Merikarvia 61 51 N 21 28 E  
Antora 61 40 N 21 27 E  
Tahkoluoto 61 38 N 21 25 E  
Reposaari 61 37 N 21 27 E

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Kallo 61 36 N 21 27 E  
Pori 61 29 N 21 48 E  
Mantyluoto 61 35 N 21 30 E

P Y G C R B T A

Olkiluoto (Eurajoki) 61 15 N 21 30 E  
Luvia 61 20 N 21 34 E  
Kaunisaari 61 15 N 21 32 E  
Rauma 61 08 N 21 30 E

P Q Y G C R B D T A

Pyharanta 60 57 N 21 27 E  
Uusikaupunki 60 48 N 21 24 E

Q Y G R B T A

## Aland Islands

Vardo 60 15 N 20 23 E  
Farjsundet 60 14 N 20 01 E  
Mariehamn 60 06 N 19 56 E

P Y G R B D A

Degerby 60 02 N 20 23 E  
Langnasudd 60 07 N 20 18 E  
Eckero 60 13 N 19 36 E  
Naantali 60 28 N 22 01 E

P Q Y G R B D T A

Tupavuori 60 27 N 22 04 E  
Turku (Abo) 60 26 N 22 13 E

P Y G C R B D T A

Parainen (Pargas) 60 17 N 22 18 E

Y B A

Harvaluoto 60 22 N 22 26 E  
Attu 60 11 N 22 18 E  
Kemio Island  
Frojdbole 60 09 N 22 38 E  
Skinnarvik 60 08 N 22 28 E  
Taalintehdas 60 01 N 22 31 E

Teijo 60 15 N 22 57 E  
Vartsala 60 20 N 23 01 E  
Kokkila 60 20 N 22 52 E  
Stomma 60 11 N 22 54 E  
Teijonsaari 60 15 N 22 56 E  
Hakkala 60 08 N 23 01 E  
Bergo Island 59 54 N 22 32 E  
Trasko 60 03 N 22 49 E  
Rilax 59 56 N 23 05 E  
Bromarv 59 59 N 23 02 E  
Hanko 59 49 N 22 58 E

Q Y G C R B T

Tvarminne 59 51 N 23 14 E  
Koverhar 59 53 N 23 13 E

Y G B T

Lappohja 59 54 N 23 14 E  
Lappvik 59 54 N 23 16 E  
Skogby 59 55 N 23 19 E  
Pohja 60 05 N 23 29 E  
Tammisaari (Ekenas) 59 59 N 23 26 E

Y G

Skuru 60 06 N 23 33 E

G A

Barosund 59 59 N 23 53 E  
Inkoo 60 03 N 24 01 E

P Y G R B T A

Degerby 60 03 N 24 12 E  
Kantvik 60 05 N 24 23 E

Y G A

Porkkala 59 59 N 24 28 E  
Munksnas 60 12 N 24 53 E  
Helsinki 60 10 N 24 57 E

P Q Y G C R B D T A

Sornaisten 60 11 N 24 58 E  
Herttoniemi 60 11 N 25 02 E  
Sveaborg 60 08 N 24 59 E  
Vuosaari 60 13 N 25 11 E  
Sipoo (Sibbo) 60 22 N 25 19 E  
Svartback 60 17 N 25 32 E  
Skoldvik (Kilpilahti) 60 18 N 25 33 E

P Q B T A

Tolkkinen 60 20 N 25 35 E

Y G B T A

Porvoo 60 23 N 25 40 E

33A

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33D

SWEDEN *continued*

- Isnäs 60 24 N 26 00 E  
Pernaja 60 26 N 26 03 E  
Valkom 60 25 N 26 16 E  
Loviisa 60 27 N 26 14 E  

|   |   |   |   |   |   |   |   |  |  |
|---|---|---|---|---|---|---|---|--|--|
| Q | Y | G | C | R | B | T | A |  |  |
|---|---|---|---|---|---|---|---|--|--|

  
Ronnöskär 60 26 N 26 27 E  
Ahvenkoski 60 28 N 26 28 E  
Svartholm 60 21 N 26 32 E  
Keihassalmi 60 26 N 26 40 E  
Mussalo 60 25 N 26 55 E  
Kotka 60 28 N 26 57 E  

|   |   |   |   |   |   |   |   |   |  |
|---|---|---|---|---|---|---|---|---|--|
| P | Q | Y | G | C | R | B | D | T |  |
|---|---|---|---|---|---|---|---|---|--|

  
Sunila 60 30 N 26 57 E  
Summa 60 32 N 27 07 E  
Lakulahti 60 31 N 27 09 E  
Hillo 60 32 N 27 10 E  
Hamina 60 34 N 27 11 E  

|   |   |   |   |   |   |   |   |  |  |
|---|---|---|---|---|---|---|---|--|--|
| P | Q | Y | G | C | R | B | T |  |  |
|---|---|---|---|---|---|---|---|--|--|

  
Klamila 60 30 N 27 30 E  
Maringinlahti 60 29 N 27 36 E  
Lakasaari 60 29 N 27 40 E  
Kellosalmi 60 30 N 27 46 E  
Tuuholma 60 30 N 27 45 E  
Virolahti 60 33 N 27 45 E  
Saimaa Canal  
Mustola 61 04 N 28 15 E  

|   |   |   |   |  |  |  |  |  |  |
|---|---|---|---|--|--|--|--|--|--|
| Y | G | C | A |  |  |  |  |  |  |
|---|---|---|---|--|--|--|--|--|--|

  
Lappeenranta 61 04 N 28 15 E  

|   |   |   |  |  |  |  |  |  |  |
|---|---|---|--|--|--|--|--|--|--|
| Y | G | A |  |  |  |  |  |  |  |
|---|---|---|--|--|--|--|--|--|--|

  
Inland Lakes  
Kaukas 61 04 N 28 13 E  
Joutseno 61 08 N 28 29 E  

|   |   |   |   |  |  |  |  |  |  |
|---|---|---|---|--|--|--|--|--|--|
| Y | G | B | A |  |  |  |  |  |  |
|---|---|---|---|--|--|--|--|--|--|

  
Imatra 61 10 N 28 50 E  

|   |   |   |   |  |  |  |  |  |  |
|---|---|---|---|--|--|--|--|--|--|
| Y | G | B | A |  |  |  |  |  |  |
|---|---|---|---|--|--|--|--|--|--|

  
Kaukopää 61 15 N 28 52 E  
Ristiina 61 32 N 27 25 E  

|   |   |  |  |  |  |  |  |  |  |
|---|---|--|--|--|--|--|--|--|--|
| G | A |  |  |  |  |  |  |  |  |
|---|---|--|--|--|--|--|--|--|--|

  
Savonlinna 61 54 N 28 55 E  

|   |   |  |  |  |  |  |  |  |  |
|---|---|--|--|--|--|--|--|--|--|
| G | A |  |  |  |  |  |  |  |  |
|---|---|--|--|--|--|--|--|--|--|

  
Varkaus 62 20 N 27 50 E  

|   |   |   |   |   |   |   |   |  |  |
|---|---|---|---|---|---|---|---|--|--|
| P | Y | G | R | B | D | T | A |  |  |
|---|---|---|---|---|---|---|---|--|--|

  
Puhos 62 06 N 29 55 E  

|   |   |   |  |  |  |  |  |  |  |
|---|---|---|--|--|--|--|--|--|--|
| Y | G | A |  |  |  |  |  |  |  |
|---|---|---|--|--|--|--|--|--|--|

  
Joensuu 62 36 N 29 45 E  

|   |   |   |  |  |  |  |  |  |  |
|---|---|---|--|--|--|--|--|--|--|
| Y | G | A |  |  |  |  |  |  |  |
|---|---|---|--|--|--|--|--|--|--|

  
Kuopio 62 51 N 27 30 E  

|   |   |   |   |  |  |  |  |  |  |
|---|---|---|---|--|--|--|--|--|--|
| P | Y | G | A |  |  |  |  |  |  |
|---|---|---|---|--|--|--|--|--|--|

  
Siilinjärvi 63 05 N 27 40 E  

|   |   |   |  |  |  |  |  |  |  |
|---|---|---|--|--|--|--|--|--|--|
| Y | G | A |  |  |  |  |  |  |  |
|---|---|---|--|--|--|--|--|--|--|

  
Kuuslahti 63 06 N 27 45 E

34A

34B

34C

34D

- Podporozhye 60 54 N 34 11 E  
Voznesenye 61 01 N 35 28 E  
Lake Onega  
Petrozavodsk 61 46 N 34 19 E  
Kondopoga 62 12 N 34 17 E  
Medvezhyegorsk 62 56 N 34 28 E  
Povenets 62 52 N 34 50 E  
Volga-Baltic Waterway  
Vytegra 61 04 N 36 27 E  
Belyy Ruchey 60 54 N 36 50 E  
Annenskiy Most 60 43 N 37 05 E  
Petrodvorets 59 53 N 29 55 E  
Lomonosov 59 55 N 29 46 E  
Luga Bay  
Ust-Luga 59 40 N 28 18 E  

|   |  |  |  |  |  |  |  |  |  |
|---|--|--|--|--|--|--|--|--|--|
| Y |  |  |  |  |  |  |  |  |  |
|---|--|--|--|--|--|--|--|--|--|

  
**ESTONIA**  
Narva Joesuu (Narva Yyesuu) 59 28 N 28 03 E  
Narvskiy (Narva) 59 23 N 28 13 E  
Merikula 59 25 N 27 58 E  
Sillamae 59 24 N 27 47 E  
Toila 59 25 N 27 32 E  
Gogland Island 60 06 N 26 57 E  
Azeri 59 27 N 26 52 E  
Kunda 59 31 N 26 33 E  

|   |   |   |   |  |  |  |  |  |  |
|---|---|---|---|--|--|--|--|--|--|
| Y | G | B | T |  |  |  |  |  |  |
|---|---|---|---|--|--|--|--|--|--|

  
Vergi 59 35 N 26 06 E  
Kasmu 59 36 N 25 55 E  
Loksa 59 35 N 25 42 E  
Prangli Island 59 38 N 25 00 E  
Muuga (Novotallinn) 59 30 N 24 58 E  

|   |   |   |   |   |   |   |   |  |  |
|---|---|---|---|---|---|---|---|--|--|
| P | Y | G | C | R | B | T | A |  |  |
|---|---|---|---|---|---|---|---|--|--|

  
Miiduranna 59 30 N 24 49 E  
Tallinn 59 27 N 24 45 E  

|   |   |   |   |   |   |   |  |  |  |
|---|---|---|---|---|---|---|--|--|--|
| Y | G | C | R | B | T | A |  |  |  |
|---|---|---|---|---|---|---|--|--|--|

  
Paljassaare (Kopli) 59 27 N 24 42 E  

|   |   |   |   |   |   |  |  |  |  |
|---|---|---|---|---|---|--|--|--|--|
| P | Y | G | B | T | A |  |  |  |  |
|---|---|---|---|---|---|--|--|--|--|

  
Paldiski 59 21 N 24 03 E  

|   |   |   |   |   |  |  |  |  |  |
|---|---|---|---|---|--|--|--|--|--|
| Y | G | B | T | A |  |  |  |  |  |
|---|---|---|---|---|--|--|--|--|--|

  
Osmusaar Island 59 18 N 23 22 E  
Dirhami 59 12 N 23 30 E  
Vormsi Island  
Forby 59 00 N 23 10 E  
Hiiumaa Island  
Lehtma 59 03 N 22 42 E  
Sviby 58 58 N 23 03 E  
Heltermaa 58 52 N 23 04 E  
Orjaku 58 47 N 22 46 E  
Dagerort 58 55 N 22 12 E  
Muhu Island  
Kuivastu 58 35 N 23 23 E  
Saaremaa Island  
Triigi 58 36 N 22 45 E  
Orissaare 58 34 N 23 05 E  
Roomassaare 58 13 N 22 31 E  

|   |   |   |   |   |  |  |  |  |  |
|---|---|---|---|---|--|--|--|--|--|
| P | G | B | T | A |  |  |  |  |  |
|---|---|---|---|---|--|--|--|--|--|

  
Kuressaare (Kingissepp) 58 15 N 22 30 E  
Montu 57 57 N 22 07 E  
Nasva 58 12 N 22 23 E  
Taga Bay 58 28 N 22 05 E  
Veere 58 27 N 22 03 E  
Kihelkonna 58 23 N 22 00 E  
Haapsalu 58 57 N 23 32 E  
Rohukula 58 54 N 23 25 E  
Virtsu 58 34 N 23 30 E  
Parnu 58 23 N 24 29 E  

|   |   |   |  |  |  |  |  |  |  |
|---|---|---|--|--|--|--|--|--|--|
| G | B | T |  |  |  |  |  |  |  |
|---|---|---|--|--|--|--|--|--|--|

  
**LATVIA**  
Ainazi 57 52 N 24 22 E  
Salacgriva 57 45 N 24 22 E  
Skulte 57 18 N 24 21 E  

|   |   |   |  |  |  |  |  |  |  |
|---|---|---|--|--|--|--|--|--|--|
| G | B | A |  |  |  |  |  |  |  |
|---|---|---|--|--|--|--|--|--|--|

  
River Daugava  
Milgravis 57 02 N 24 07 E  
Bolderaya 57 02 N 24 03 E  
Riga 56 58 N 24 06 E  

|   |   |   |   |   |   |   |   |   |  |
|---|---|---|---|---|---|---|---|---|--|
| P | Q | Y | G | C | R | B | T | A |  |
|---|---|---|---|---|---|---|---|---|--|

35A

35B

35C

35D

- Engure 57 10 N 23 14 E  
Mersrags 57 22 N 23 08 E  
Kaltene 57 27 N 22 53 E  
Roja (Rojaš Osta) 57 30 N 22 50 E  
Gipka 57 34 N 22 40 E  
Kolka 57 48 N 22 39 E  
Lielirbe 57 37 N 22 05 E  
Ventšpils 57 24 N 21 33 E  

|   |   |   |   |   |   |   |   |   |  |
|---|---|---|---|---|---|---|---|---|--|
| P | Q | Y | G | C | R | B | T | A |  |
|---|---|---|---|---|---|---|---|---|--|

  
Uzava 57 12 N 21 25 E  
Labrags 56 59 N 21 22 E  
Pavilosta 56 54 N 21 11 E  
Liepaja 56 31 N 21 01 E  

|   |   |   |   |   |   |   |  |  |  |
|---|---|---|---|---|---|---|--|--|--|
| P | Y | G | R | B | D | A |  |  |  |
|---|---|---|---|---|---|---|--|--|--|

  
**LITHUANIA**  
Palanga 55 55 N 21 05 E  
Klaipėda 55 43 N 21 08 E  

|   |   |   |   |   |   |   |   |   |  |
|---|---|---|---|---|---|---|---|---|--|
| P | Q | Y | G | C | R | B | T | A |  |
|---|---|---|---|---|---|---|---|---|--|

  
Butinge Terminal 55 58 N 20 43 N  

|   |   |  |  |  |  |  |  |  |  |
|---|---|--|--|--|--|--|--|--|--|
| P | T |  |  |  |  |  |  |  |  |
|---|---|--|--|--|--|--|--|--|--|

  
**RUSSIA**  
River Nemunas  
Sovetsk 55 02 N 21 50 E  
Baltiysk 54 39 N 19 54 E  
Peyse 54 39 N 20 06 E  
Svetlyy 54 38 N 20 09 E  
Pionerskiy 54 56 N 20 12 E  
Kaliningrad 54 43 N 20 31 E  

|   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|
| P | Q | Y | G | C | R | B | D | T | A |
|---|---|---|---|---|---|---|---|---|---|

  
**POLAND**  
Frombork 54 21 N 19 40 E  
Elbląg 54 10 N 19 24 E  
River Wisła  
Port Polnocny 54 24 N 18 43 E  
Nowy Port 54 24 N 18 40 E  
Tczew 54 05 N 18 46 E  
Martwa Wisła  
Gdańsk 54 21 N 18 39 E  

|   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|
| P | Q | Y | G | C | R | B | D | T | A |
|---|---|---|---|---|---|---|---|---|---|

  
Sopot 54 27 N 18 34 E  
Gdynia 54 32 N 18 34 E  

|   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|
| P | Q | Y | G | C | R | B | D | T | A |
|---|---|---|---|---|---|---|---|---|---|

  
Władysławowo 54 48 N 18 25 E  

|   |   |   |  |  |  |  |  |  |  |
|---|---|---|--|--|--|--|--|--|--|
| G | B | A |  |  |  |  |  |  |  |
|---|---|---|--|--|--|--|--|--|--|

  
Hel 54 36 N 18 48 E  
Rozewie 54 50 N 18 20 E  
Ustka 54 35 N 16 52 E  

|   |   |   |   |   |  |  |  |  |  |
|---|---|---|---|---|--|--|--|--|--|
| Y | G | B | T | A |  |  |  |  |  |
|---|---|---|---|---|--|--|--|--|--|

  
Darłowo 54 26 N 16 23 E  

|   |   |   |   |   |  |  |  |  |  |
|---|---|---|---|---|--|--|--|--|--|
| Y | G | B | T | A |  |  |  |  |  |
|---|---|---|---|---|--|--|--|--|--|

  
Kolobrzeg 54 11 N 15 34 E  

|   |   |   |   |   |  |  |  |  |  |
|---|---|---|---|---|--|--|--|--|--|
| Y | G | R | B | A |  |  |  |  |  |
|---|---|---|---|---|--|--|--|--|--|

  
Niechorze 54 06 N 15 04 E  
Kamień Pomorski 53 58 N 14 46 E  
Wolin 53 51 N 14 37 E  
Lubin 53 52 N 14 26 E  
Swinoujście 53 55 N 14 15 E  

|   |   |   |   |   |   |   |  |  |  |
|---|---|---|---|---|---|---|--|--|--|
| P | Y | G | C | R | T | A |  |  |  |
|---|---|---|---|---|---|---|--|--|--|

  
River Oder  
Stepnica 53 39 N 14 38 E  
Police 53 33 N 14 36 E  

|   |   |   |   |  |  |  |  |  |  |
|---|---|---|---|--|--|--|--|--|--|
| Q | Y | G | B |  |  |  |  |  |  |
|---|---|---|---|--|--|--|--|--|--|

  
Skolwin 53 32 N 14 37 E  
Glinki 53 30 N 14 36 E  
Krasnica 53 30 N 14 37 E  
Gołzów 53 29 N 14 36 E  
Zełechowa 53 27 N 14 35 E  
Szczecin 53 25 N 14 33 E  

|   |   |   |   |   |   |   |   |   |  |
|---|---|---|---|---|---|---|---|---|--|
| Q | Y | G | C | R | B | D | T | A |  |
|---|---|---|---|---|---|---|---|---|--|

  
Kozle 50 19 N 18 08 E  
Nowe Warpno 53 44 N 14 17 E

36A

36B

p.24/25  
36C

36D

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P Petroleum Q Other Liquid Bulk Y Dry Bulk G General Cargo  
C Containers R Ro-Ro B Bunkers D Dry Dock T Towage  
A Airport (within 100km)

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Heringsdorf 53 58 N 14 10 E  
River Uecker  
Ueckermunde 53 44 N 14 03 E  
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Jarmen 53 47 N 13 10 E  
Demmin 53 54 N 13 01 E  
Malchin 53 45 N 12 45 E  
Wolgast 54 03 N 13 47 E  
G B A

Kroslin 54 08 N 13 45 E  
Peenemunde 54 07 N 13 46 E  
Lubmin 54 07 N 13 36 E  
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Greifswald 54 06 N 13 23 E  
Rugen Island  
Lauterbach 54 20 N 13 31 E  
Mukran 54 29 N 13 35 E  
Sassnitz 54 31 N 13 38 E  
Y G C R

Cap Arkona 54 41 N 13 26 E  
Stralsund 54 19 N 13 06 E  
Y G B D T A

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Barth 54 22 N 12 44 E  
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River Warnow

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P Q Y G C R B D T A

River Trave  
Schlutup 53 53 N 10 47 E  
Siems 53 53 N 10 45 E  
Lubeck 53 52 N 10 40 E  
Y G C R B T A

Danischburg 53 55 N 10 44 E  
Herrenwyk 53 54 N 10 48 E  
Travemunde 53 58 N 10 54 E  
G C R B A

Neustadt 54 06 N 10 49 E  
Gromitz 54 09 N 10 59 E  
Fehmarn Island  
Burgstaaken 54 25 N 11 12 E  
Orth 54 27 N 11 03 E  
Puttgarden 54 30 N 11 14 E  
Heiligenhafen 54 22 N 10 59 E  
Y G B

Laboe 54 24 N 10 13 E  
Y G B

Kiel 54 19 N 10 08 E  
P Y G C R B D T A

Kiel Canal (Nord-Ostsee Kanal)  
Holtenau 54 22 N 10 09 E  
Flemhude 54 19 N 9 58 E  
Audorf 54 19 N 9 43 E  
Rendsburg 54 19 N 9 40 E  
Y G C R B D T A

River Eider  
Breiholz 54 12 N 9 32 E  
Oldenbuttel 54 10 N 9 26 E  
Fischerhutte 54 09 N 9 22 E  
Dukerswisch 54 03 N 9 19 E  
Hochdonn 54 01 N 9 18 E  
Burg 53 59 N 9 17 E  
Ostermoor 53 55 N 9 11 E  
Eckernforde 54 29 N 9 51 E  
Y G B A

Schleswig 54 31 N 9 34 E  
Olpenitz 54 39 N 9 59 E  
Kappeln 54 40 N 9 56 E  
Y G B A

Gelting 54 44 N 9 54 E  
Murwik 54 49 N 9 28 E

37A

37B

37C

37D

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Flensburg 54 48 N 9 26 E  
Y G B T

## DENMARK

BORNHOLM  
Ronne 55 06 N 14 42 E  
P Y G C R B T A

Nekso (Nexo) 55 04 N 15 09 E  
G B D A

Svaneke 55 08 N 15 09 E  
G B A

Gudhjem 55 13 N 14 58 E  
Tejn 55 14 N 14 50 E  
Allinge 55 17 N 14 48 E  
Hammeren 55 17 N 14 45 E  
Hammerhavn 55 16 N 14 45 E  
Vang 55 15 N 14 44 E  
Hasle 55 11 N 14 42 E  
Y G A

## MON

Stege 54 59 N 12 17 E  
Klintholm 54 57 N 12 28 E

## SJAE LLAND

Kalvehave 54 59 N 12 10 E  
Praesto 55 07 N 12 02 E  
Fakse Ladeplads 55 13 N 12 10 E  
Y G B T A

Rodvig 55 15 N 12 23 E  
Stevns Pier 55 19 N 12 27 E  
Y A

Holtug 55 21 N 12 27 E  
Stroby 55 24 N 12 18 E  
Koge 55 27 N 12 12 E  
P Q Y G C R B T A

Mosede 55 34 N 12 17 E  
Drogden Light 55 32 N 12 43 E  
Amager Island  
Dragor 55 35 N 12 41 E  
Kastrup 55 38 N 12 39 E  
Valby 55 40 N 12 33 E  
Nyhavn 55 41 N 12 35 E  
Copenhagen (Kobenhavn) 55 42 N 12 37 E  
P Q Y G C R B T A

Tuborg Havn 55 43 N 12 35 E  
Hellerup 55 44 N 12 35 E  
Taarbaek 55 47 N 12 36 E  
Vedbaek 55 51 N 12 33 E  
Rungsted 55 53 N 12 32 E  
Nivaa 55 56 N 12 31 E  
Snekkersten 56 01 N 12 36 E  
Elsinore (Helsingor) 56 02 N 12 37 E  
G B A

Gilleleje 56 08 N 12 19 E  
Hundested 55 58 N 11 51 E  
Frederiksvaerk 55 58 N 12 01 E  
Y G B A

Frederikssund 55 50 N 12 03 E  
Q Y T

Roskilde 55 39 N 12 05 E  
Lyngby 55 40 N 11 56 E  
Ostby 55 44 N 12 02 E  
Kyndby 55 49 N 11 53 E  
Holbaek 55 43 N 11 43 E  
Y G B T A

Nykobing 55 55 N 11 41 E  
Rorvig 55 57 N 11 46 E  
Odden 55 58 N 11 22 E  
Sejro 55 53 N 11 09 E  
Kalundborg 55 41 N 11 05 E  
P Y G R B T A

38A

38B

38C

38D

Asnaesvaerkets Havn 55 40 N 11 05 E  
Q Y G B A

Mullerup 55 30 N 11 11 E  
Halsskov 55 20 N 11 06 E  
Korsor 55 20 N 11 08 E  
Y G R B A

Skaelskor 55 15 N 11 17 E  
Stigsnaesvaerkets Havn 55 13 N 11 15 E  
P Y B

Gulfhavn 55 12 N 11 15 E  
Karrebaeksminde 55 10 N 11 38 E  
Naestved 55 14 N 11 45 E  
P Y G B T A

Masnedssund 55 00 N 11 54 E  
Masnedovaerkets Havn 54 58 N 11 53 E  
Vordingborg 55 00 N 11 54 E  
Y G B T A

## FALSTER

Orehoved 54 57 N 11 51 E  
Y G R B T A

Stubbekobing 54 53 N 12 02 E  
G B

Gedser 54 34 N 11 56 E  
Nykobing 54 46 N 11 52 E  
P G B T

## LOLLAND

Vigsnaes 54 53 N 11 39 E  
Sakskobing 54 48 N 11 38 E  
Bandholm 54 50 N 11 30 E  
P Y G B A

Nakskov 54 50 N 11 08 E  
P Y G R B D T A

Rodbyhavn 54 39 N 11 21 E  
Y G B A

Nysted 54 40 N 11 44 E  
Guldborg 54 52 N 11 45 E

## LANGELAND

Bagenkop 54 45 N 10 40 E  
Rudkobing 54 56 N 10 43 E  
Y G B T A

Dagelokke 55 04 N 10 52 E  
Lohals 55 08 N 10 54 E

## AERO

Marstal 54 51 N 10 31 E  
Aeroskobing 54 53 N 10 25 E  
Y G B T A

Soby 54 57 N 10 16 E

## TAASINGE

Troense 55 02 N 10 39 E

## THURO

Thuro 55 02 N 10 41 E

## FUNEN

Svendborg 55 03 N 10 37 E  
Y G C R B T A

Nyborg 55 18 N 10 47 E  
Q Y G R B T A

Kerteminde 55 27 N 10 40 E  
Y G B T A

Lindo 55 28 N 10 32 E  
Odense 55 25 N 10 23 E  
P Y G C R B T A

Aebelo 55 39 N 10 10 E

39A

39B

39C

39D



DENMARK *continued*

Bogense 55 34 N 10 05 E

Strib 55 32 N 9 46 E

Middelfart 55 30 N 9 44 E

P Q Y G C R B T A

Assens 55 16 N 9 54 E

Q Y G B D T A

Faaborg 55 06 N 10 14 E

G B A

Avernako 55 02 N 10 15 E

Fjellebroen 55 04 N 10 23 E

## SAMSO

Kolby Kaas 55 48 N 10 32 E

Maarup 55 56 N 10 33 E

Ballen 55 49 N 10 39 E

## ALS

Sonderborg 54 55 N 9 47 E

P Y G C B T A

Mommark 54 56 N 10 03 E

Augustenborg 54 57 N 9 52 E

Hardeshøj 55 00 N 9 41 E

## JUTLAND

Egernsund 54 54 N 9 36 E

Graasten 54 55 N 9 37 E

G B A

Enstedvaerkets Havn 55 01 N 9 26 E

P Y B A

Aabenraa 55 02 N 9 26 E

P Q Y G R B D T A

Aarosund 55 16 N 9 43 E

Haderslev 55 15 N 9 30 E

Y G B T A

Kolding 55 30 N 9 30 E

Q Y G R B T A

Skaerbaek 55 31 N 9 37 E

P G B T A

Snoghoj 55 32 N 9 42 E

Lyngs Odde 55 31 N 9 45 E

Q B A

Fredericia 55 34 N 9 45 E

P Q Y G C R B D T A

Vejle 55 43 N 9 33 E

P Q Y G R B T A

Juelsminde 55 43 N 10 01 E

Horsens 55 51 N 9 52 E

P Q Y G B A

Hov 55 55 N 10 15 E

Aarhus 56 09 N 10 13 E

P Q Y G C R B T A

Studstrup 56 15 N 10 21 E

P Y B T A

Nappedam 56 17 N 10 30 E

Knebel 56 13 N 10 30 E

Sletterhage 56 06 N 10 31 E

Lyngsbaek Bridge 56 14 N 10 37 E

Ebeltoft 56 12 N 10 40 E

Glatved 56 18 N 10 51 E

Katholm 56 21 N 10 55 E

Grenaa 56 25 N 10 56 E

P Y G C R B D T A

Fornaes 56 27 N 10 58 E

Gerrild 56 32 N 10 50 E

Anholt 56 43 N 11 31 E

Udbyhoj 56 37 N 10 19 E

Voer 56 31 N 10 14 E

Mellerup 56 31 N 10 16 E

Randers 56 28 N 10 03 E

Q Y G R B T A

## 40A

Mariager Fjord

Kongsdal 56 41 N 10 04 E

Y G R B T A

Mariager 56 39 N 9 59 E

Hobro 56 38 N 9 48 E

G B T A

Hadsund 56 43 N 10 07 E

G A

Als 56 45 N 10 18 E

Rordal 57 04 N 9 58 E

Limfjord

Aalborg 57 03 N 9 55 E

P Q Y G C R B D T A

Lindholm Pier 57 04 N 9 51 E

Norresundby 57 04 N 9 55 E

Hals 56 59 N 10 19 E

Asaa 57 08 N 10 24 E

Laeso 57 13 N 10 42 E

Saebj 57 20 N 10 31 E

Understed 57 23 N 10 30 E

Frederikshavn 57 26 N 10 33 E

P Y G C R B D T A

Strandby 57 29 N 10 31 E

Skagen 57 43 N 10 36 E

P Q G B T A

Skaw 57 44 N 10 38 E

Hirtshals 57 36 N 9 58 E

P Y G C R B T A

Hanstholm 57 07 N 8 35 E

P Q Y G R B D T A

Klitmoller 57 02 N 8 30 E

Lodbjerg 56 49 N 8 16 E

Limfjord

Krik 56 46 N 8 16 E

Mors Island

Vilsund 56 56 N 8 39 E

Sundby 56 53 N 8 41 E

Nykobing 56 48 N 8 52 E

Y G B A

Ejerslev 56 55 N 8 55 E

Skarrehege 56 57 N 8 52 E

## JUTLAND

Thisted 56 57 N 8 42 E

Y G B T A

Aggersund 57 01 N 9 17 E

Nibe 56 59 N 9 38 E

Logstor 56 58 N 9 15 E

Skive 56 34 N 9 02 E

Fur Island

Fur Molervaerk 56 50 N 8 58 E

Fur 56 50 N 9 00 E

Faerker Vig 56 50 N 9 04 E

Struer 56 30 N 8 36 E

P Q Y G C R B T A

Lemvig 56 33 N 8 18 E

G B T A

Thyboron 56 42 N 8 13 E

Ringkobing 56 05 N 8 14 E

Blaavand 55 33 N 8 05 E

Fano Island

Nordby 55 27 N 8 24 E

Esbjerg 55 28 N 8 26 E

P Q Y G C R B D T A

Ribe 55 20 N 8 46 E

Hojer 54 57 N 8 41 E

## GERMANY

Sylt Island

Ellenbogen 55 03 N 8 25 E

List 55 01 N 8 26 E

Munkmarsch 54 55 N 8 22 E

Hornum 54 45 N 8 18 E

Fohr Island

Wyk 54 42 N 8 35 E

Dagebull 54 44 N 8 44 E

## 41A

Amrum Island 54 38 N 8 21 E

Pellworm Island 52 31 N 8 39 E

Holmer Siel 54 32 N 8 52 E

Humus 54 29 N 9 03 E

Y G B D T

Toning 54 19 N 8 57 E

Friedrichstadt 54 23 N 9 05 E

Busum 54 08 N 8 52 E

G R B T

Meldorf 54 05 N 9 04 E

River Elbe

Brunsbüttel 53 54 N 9 08 E

P Q Y G C T A

Kiel Canal (Nord-Ostsee Kanal) (see

Col. 37C)

River Stör

Wewelsfleth 53 51 N 9 24 E

Beidenfleth 53 52 N 9 26 E

Itzehoe 53 55 N 9 31 E

Y G B D A

Altenbruch Roads 53 51 N 8 49 E

Freiburg 53 49 N 9 18 E

River Oste

Neuhaus 53 48 N 9 02 E

Hemmoor 53 42 N 9 08 E

Schwarzenhütten 53 42 N 9 10 E

Gluckstadt 53 47 N 9 25 E

Y G C B A

Wischhafen 53 47 N 9 20 E

Krautsand 53 46 N 9 23 E

River Kruckau

Elmshorn 53 45 N 9 39 E

Ruthenstrom 53 44 N 9 24 E

Kollmar 53 43 N 9 29 E

Abbenfleth 53 41 N 9 30 E

River Pinnau

Utersen 53 40 N 9 39 E

River Schwinge

Stade 53 36 N 9 29 E

Butzfleth 53 39 N 9 31 E

Q Y G B T A

Brunshausen 53 38 N 9 32 E

Stadersand 53 37 N 9 32 E

Schulau 53 34 N 9 42 E

Wedel 53 34 N 9 43 E

Blankenese 53 33 N 9 49 E

Neueufelde 53 30 N 9 49 E

Altona 53 33 N 9 56 E

Hamburg 53 33 N 9 58 E

P Q Y G C R B D T A

Finkenwerder 53 32 N 9 52 E

Harburg 53 29 N 9 58 E

Hohenhorn 53 28 N 10 22 E

Wilhelmsburg 53 27 N 9 57 E

Lauenburg 53 23 N 10 33 E

Boizenburg 53 23 N 10 44 E

Magdeburg 52 08 N 11 37 E

Aken 51 50 N 12 02 E

Rosslau 51 54 N 12 16 E

Dresden 51 03 N 13 45 E

Decin (**Czech Republic**) 50 46 N 14 11 EUsti nad Labem (**Czech Republic**)

50 40 N 14 02 E

Lovosice (**Czech Republic**)

50 31 N 14 02 E

Chvaletice 50 01 N 15 26 E (**Czech****Republic**) 50 01 N 15 26 E

Cuxhaven 53 52 N 8 42 E

G C R B D T

River Weser

Bremerhaven 53 33 N 8 35 E

P Q G C R B D T A

Blexen 53 32 N 8 32 E

Wesermünde 53 32 N 8 35 E

Einswarden 53 31 N 8 31 E

Nordenham 53 29 N 8 29 E

Q Y G C R B T A

Brake 53 20 N 8 29 E

P Q Y G C B D T A

Elsfleth 53 14 N 8 28 E

Farge 53 12 N 8 31 E

Ganspe 53 12 N 8 33 E

## 42A

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## 41B

## 41C

## 41D

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## 40B

## 40C

## 40D

## 42B

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## 42C

## 42D



GERMANY *continued*

Bonn 50 43 N 7 05 E  
 Remagen 50 34 N 7 13 E  
 Brohl 50 25 N 7 18 E  
 Andernach 50 25 N 7 23 E  
 Neuwied 50 26 N 7 29 E  
 Weisenthurm 50 25 N 7 29 E  
 Bendorf 50 25 N 7 35 E  
 Vallendar 50 24 N 7 37 E  
 Koblenz 50 20 N 7 35 E  
 River Mosel  
 Trier 49 45 N 6 39 E  
 River Saar  
 Saarlouis 49 19 N 6 45 E  
 Saarbrücken 49 15 N 6 58 E  
 Thionville (France) 49 22 N 6 11 E  
 Metz (France) 49 07 N 6 11 E  
 Lahnstein 50 18 N 7 37 E  
 Bingen 49 57 N 7 54 E  
 Mainz 50 00 N 8 17 E  
 River Main  
 Frankfurt 50 07 N 8 40 E  
 Q Y G C B A  
 Aschaffenburg 49 57 N 9 10 E  
 Erlenbach 49 48 N 9 09 E  
 Gernsheim 49 45 N 8 28 E  
 Worms 49 38 N 8 21 E  
 Mannheim 49 29 N 8 28 E  
 P Q Y G C R B A  
 Ludwigshafen am Rhein 49 28 N 8 27 E  
 P Q Y G C  
 Speyer 49 18 N 8 26 E  
 Gernersheim 49 13 N 8 23 E  
 Karlsruhe 49 03 N 8 20 E  
 P Q G C R A  
 Kehl 48 35 N 7 50 E  
 P Y G C R A  
 Strasbourg (France) 48 34 N 7 42 E  
 P Q Y G C R B T A  
 Basle (Switzerland) 47 33 N 7 34 E  
 P Q Y G C R B A

NETHERLANDS

River Maas  
 Nederhemert 51 46 N 5 10 E  
 Zuid-Willemsvaart Canal  
 's Hertogenbosch (Den Bosch)  
 51 42 N 5 18 E  
 Helmond 51 29 N 5 39 E  
 Lithoijen 51 49 N 5 26 E  
 Grave 51 45 N 5 44 E  
 Maashees 51 34 N 6 02 E  
 Venlo 51 22 N 6 10 E  
 Belfeld 51 18 N 6 04 E  
 Swalmen 51 13 N 6 01 E  
 Roermond 51 12 N 5 59 E  
 Maastricht 50 51 N 5 41 E  
 Brielle 51 54 N 4 11 E  
 Stellendam 51 48 N 4 01 E  
 Hellevoetsluis 51 49 N 4 08 E  
 Middelharnis 51 47 N 4 12 E  
 Den Bommel 51 43 N 4 17 E  
 Ooltgensplaat 51 41 N 4 20 E  
 River Dintel Mark  
 Dinteloord 51 38 N 4 22 E  
 Fijnaart 51 38 N 4 29 E  
 Dintelmond 51 40 N 4 23 E  
 Willemstad 51 42 N 4 26 E  
 Numansdorp 51 43 N 4 25 E  
 Moerdijk 51 42 N 4 37 E  
 P Y G C R B D A  
 Geertruidenberg 51 43 N 4 52 E  
 Raamsdonksveer 51 42 N 4 55 E  
 Wilhelmmina Canal  
 Oosterhout 51 37 N 4 52 E  
 Tilburg 51 33 N 5 04 E  
 Galathesche 51 40 N 4 19 E  
 Ouddorp 51 48 N 3 56 E  
 Scheldt-Rhine Canal 51 38 N 4 14 E  
 Schouwen  
 Brouwershaven 51 44 N 3 55 E  
 Bruinisse 51 40 N 4 06 E

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46B

46C

46D

Zijpe 51 39 N 4 06 E  
 Ouwerkerk 51 38 N 3 59 E  
 Zierikzee 51 38 N 3 53 E  
 G B A  
 Eastern Scheldt (Oosterschelde)  
 St. Annaland 51 37 N 4 06 E  
 Tholen 51 32 N 4 13 E  
 Bergen-op-Zoom 51 30 N 4 16 E  
 Yerseke (Ierseke) 51 30 N 4 03 E  
 Wemeldinge 51 31 N 4 00 E  
 Sas van Goes 51 32 N 3 56 E  
 Wolphaartsdijk 51 32 N 3 49 E  
 Colynsmaat 51 36 N 3 51 E  
 Domburg 51 34 N 3 30 E  
 West Kapelle 51 32 N 3 27 E  
 Western Scheldt (Westerschelde)  
 Flushing (Vlissingen) 51 27 N 3 35 E  
 P Q Y G C R B D T A  
 Walcheren Canal  
 Middelburg 51 30 N 3 37 E  
 Q Y G  
 Flushing East (Sloehaven)  
 51 27 N 3 40 E  
 Borssele 51 25 N 3 44 E  
 Everingen 51 20 N 3 50 E  
 Hansweert 51 27 N 4 00 E  
 G B T A  
 Bath 51 24 N 4 13 E

BELGIUM

River Scheldt (Schelde)  
 Zandvliet 51 21 N 4 17 E  
 Doel 51 19 N 4 16 E  
 Lillo 51 18 N 4 18 E  
 Liefkenshoek 51 18 N 4 17 E  
 Antwerp (Antwerpen) 51 14 N 4 25 E  
 P Q Y G C R B D T A  
 Albert Canal  
 Merksem 51 14 N 4 29 E  
 Schoten 51 15 N 4 30 E  
 Olen 51 09 N 4 52 E  
 Geel 51 09 N 4 58 E  
 Tessenderlo 51 04 N 5 05 E  
 Kwaadmechelen 51 06 N 5 09 E  
 Hasselt 50 56 N 5 20 E  
 Genk 50 58 N 5 30 E  
 Zutendaal 50 55 N 5 34 E  
 Lanaken 50 53 N 5 38 E  
 Lixhe 50 44 N 5 42 E  
 Liege 50 40 N 5 34 E  
 P Y G C R A  
 Val St. Lambert 50 34 N 5 28 E  
 Kallo 51 15 N 4 17 E  
 Zwijndrecht 51 13 N 4 20 E  
 Burcht 51 12 N 4 20 E  
 Hoboken 51 10 N 4 20 E  
 Kruikeke 51 10 N 4 19 E  
 Hemiksem 51 09 N 4 20 E  
 P A  
 Schelle 51 08 N 4 19 E  
 River Rupel  
 Niel 51 07 N 4 20 E  
 Wintham 51 06 N 4 17 E  
 Brussels Maritime Canal  
 Willebroek 51 03 N 4 21 E  
 Tisselt 51 02 N 4 22 E  
 Kapelle op den Bos 51 01 N 4 22 E  
 Humbeek 50 58 N 4 23 E  
 Verbrande Brug 50 57 N 4 23 E  
 Vilvoorde 50 57 N 4 25 E  
 Haren 50 54 N 4 23 E  
 Marly 50 53 N 4 23 E  
 Brussels (Bruxelles) 50 52 N 4 21 E  
 G B A  
 Ruisbroek 50 47 N 4 17 E  
 River Rupel  
 Boom 51 05 N 4 22 E  
 Terhagen 51 05 N 4 23 E  
 Rumst 51 04 N 4 25 E  
 Mechelen 51 02 N 4 28 E  
 Rupelmonde 51 08 N 4 17 E  
 Temse 51 08 N 4 13 E  
 Tieltrode 51 07 N 4 13 E  
 Baasrode 51 03 N 4 10 E

47A

47B

47C

47D

Dendermonde 51 02 N 4 07 E  
 Melle 51 00 N 3 48 E

## NETHERLANDS

Western Scheldt (Westerschelde)  
 Paal 51 21 N 4 07 E  
 Walsoorden 51 27 N 4 02 E  
 Terneuzen 51 20 N 3 49 E  
 Q Y G C R B T A

Ghent-Terneuzen Canal  
 Sluiskil 51 18 N 3 50 E  
 Axel Sassing 51 17 N 3 52 E  
 Sas van Ghent 51 14 N 3 48 E

## BELGIUM

Zelzate 51 12 N 3 48 E  
 Ertvelde 51 12 N 3 47 E  
 Rieme 51 10 N 3 46 E  
 Terdonk 51 09 N 3 47 E  
 Langerbrugge 51 07 N 3 45 E  
 Wondelgem 51 05 N 3 43 E  
 Ghent (Gent) 51 04 N 3 43 E  
 P Q Y G C R B D T A

## NETHERLANDS

Breskens 51 24 N 3 34 E  
 Wielingen 51 23 N 3 23 E

## BELGIUM

Zeebrugge 51 20 N 3 12 E  
 P Q Y G C R B T A

Baudouin Canal  
 Bruges (Brugge) 51 14 N 3 13 E  
 P Y G B T A

Oostkamp 51 09 N 3 13 E  
 Blankenberge 51 19 N 3 08 E  
 Ostend (Oostende) 51 14 N 2 55 E  
 Y G C R B T A

Ostend-Bruges Canal  
 Zandvoorde 51 13 N 2 58 E  
 Nieuwpoort 51 09 N 2 43 E  
 G B A

## FRANCE

Dunkirk (Dunkerque) 51 03 N 2 21 E  
 P Q Y G C R B D T A

Mardyck 51 00 N 2 14 E  
 Gravelines 50 59 N 2 08 E  
 Sandettie Light Vessel 51 09 N 1 47 E  
 Calais 50 58 N 1 51 E  
 Q Y G C R B D T A

Cap Gris Nez 50 52 N 1 35 E  
 Wimereux 50 46 N 1 36 E  
 Boulogne 50 44 N 1 37 E  
 P Y G C R B T A

Etaples 50 31 N 1 38 E  
 Montreuil 50 28 N 1 46 E  
 River Somme  
 Le Hourdel 50 13 N 1 34 E  
 Le Crotoy 50 13 N 1 38 E  
 Noyelles 50 11 N 1 43 E  
 Abbeville 50 06 N 1 51 E  
 St. Valery sur Somme 50 11 N 1 39 E  
 Le Trepout 50 04 N 1 22 E  
 Y G R T A

Eu 50 03 N 1 25 E  
 Dieppe 49 56 N 1 05 E  
 Q Y G C R B D T A  
 St. Valery en Caux 49 52 N 0 43 E  
 Fecamp 49 46 N 0 22 E  
 Y G B A

Cap d'Antifer 49 41 N 0 10 E  
 Antifer 49 40 N 0 10 E  
 River Seine

48A

48B

48C

48D

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Le Havre 49 29 N 0 07 E

**P Q Y G C R B D T A**

Harfleur 49 30 N 0 12 E

Gonfreville L'Orcher 49 29 N 0 14 E

Berville sur Mer 49 26 N 0 22 E

Tancarville 49 29 N 0 28 E

Radicatel 49 25 N 0 29 E

Lillebonne 49 31 N 0 32 E

River Risle

Pont Audemer 49 20 N 0 23 E

Port Jerome 49 28 N 0 32 E

Villequier 49 30 N 0 40 E

Caudebec 49 32 N 0 44 E

St. Wandrille 49 32 N 0 45 E

Le Trait 49 28 N 0 48 E

Yainville 49 27 N 0 49 E

Duclair 49 27 N 0 52 E

Dieppedalle 49 25 N 1 01 E

Rouen 49 29 N 1 05 E

**P Q Y G C R B D T A**

Elbeuf 49 17 N 1 07 E

Petit Quevilly 49 26 N 1 03 E

Le Grand Quevilly 49 25 N 1 00 E

Petit Couronne 49 22 N 1 00 E

Grand Couronne 49 22 N 0 59 E

La Mailleye 49 29 N 0 46 E

Quillebeuf 49 28 N 0 31 E

Bonnieres 49 02 N 1 34 E

Mantes 48 59 N 1 43 E

Limay 48 59 N 1 45 E

Nanterre 48 54 N 2 11 E

Gennevilliers 48 57 N 2 16 E

Villeneuve-la-Garenne 48 55 N 2 18 E

Paris 48 52 N 2 20 E

**P Y G C R B D A**

River Marne

Bonneuil 48 47 N 2 29 E

Villeneuve-le-Roi 48 44 N 2 24 E

Honfleur 49 25 N 0 14 E

**P Q Y G B T A**

Trouville 49 22 N 0 05 E

Deauville 49 21 N 0 04 E

Ouistreham 49 17 N 0 15 W

Caen 49 11 N 0 21 W

**Q Y G C R B T A**

Courseulles sur Mer 49 20 N 0 27 W

Port en Bessin 49 21 N 0 46 W

Isigny 49 20 N 1 07 W

Carentan 49 19 N 1 15 W

St. Vaast la Hougue 49 35 N 1 16 W

Barfleur 49 40 N 1 15 W

Cherbourg 49 38 N 1 38 W

**Q Y G C R B D T A**

Cap de la Hague 49 44 N 1 56 W

Dielette 49 33 N 1 51 W

Carteret 49 22 N 1 48 W

Portbail 49 20 N 1 43 W

Regneville 49 00 N 1 34 W

Granville 48 50 N 1 36 W

**P Y G**

Avranches 48 42 N 1 21 W

Pontaubault 48 38 N 1 22 W

Le Vivier sur Mer 48 36 N 1 46 W

Cancale 48 40 N 1 51 W

St. Malo 48 39 N 2 01 W

**P Q Y G C R B D T A**

St. Servan 48 38 N 2 01 W

Dinard 48 38 N 2 03 W

Le Guildo 48 38 N 2 14 W

**G B A**

Port Barrier 48 38 N 2 25 W

Erquy 48 38 N 2 28 W

Dahouet 48 35 N 2 34 W

St. Brieuc 48 31 N 2 43 W

Le Legue 48 32 N 2 43 W

**Y G B A**

Binic 48 36 N 2 49 W

Saint Quay Portrieux 48 39 N 2 50 W

Paimpol 48 47 N 3 03 W

**G B A**

Pontrieux 48 42 N 3 10 W

Lezardrieux 48 47 N 3 06 W

49A

Ploubian 48 51 N 3 10 W

Treguier 48 47 N 3 14 W

**Y G B A**

Port Blanc 48 50 N 3 19 W

Perros Guirec 48 48 N 3 26 W

Lannion 48 44 N 3 27 W

Locquirec 48 42 N 3 39 W

Morlaix 48 38 N 3 53 W

Roscoff 48 43 N 3 59 W

**G R B A**

Plouescat 48 39 N 4 13 W

Brignogan 48 40 N 4 19 W

L'Aber Wrach 48 35 N 4 33 W

Paluden 48 35 N 4 31 W

L'Aberildut 48 28 N 4 45 W

Ushant Island (Ile d'Ouessant)

Creac'h Point 48 28 N 5 08 W

Ile Molene 48 24 N 4 58 W

Corsen Point 48 25 N 4 48 W

Le Conquet 48 22 N 4 47 W

Blanc-Sablons 48 22 N 4 46 W

Pointe St. Mathieu 48 20 N 4 46 W

Brest 48 23 N 4 29 W

**P Q Y G C R B D T A**

Landerneau 48 26 N 4 15 W

Plougastel 48 23 N 4 24 W

Faou 48 18 N 4 10 W

Port Launay 48 18 N 4 15 W

Roscanvel 48 19 N 4 33 W

Camaret 48 17 N 4 36 W

Douarnenez 48 06 N 4 20 W

Audierne 48 01 N 4 32 W

Penmarc'h Point 47 48 N 4 23 W

Guilvinec 47 48 N 4 17 W

Loctudy 47 50 N 4 10 W

Pont l'Abbe 47 52 N 4 13 W

River Odet

Quimper 47 58 N 4 07 W

**P G B A**

Corniguel 47 57 N 4 07 W

Benodet 47 53 N 4 07 W

Port la Foret 47 54 N 3 58 W

Concarneau 47 52 N 3 55 W

**P Q G B T A**

Iles de Glenan 47 47 N 4 02 W

Le Pouldu 47 46 N 3 32 W

Keroman 47 44 N 3 22 W

Lorient 47 45 N 3 22 W

**P Y G R B T A**

Hennebont 47 48 N 3 16 W

Port Louis 47 42 N 3 22 W

Ile de Groix

Port Tudy 47 39 N 3 27 W

Etel 47 39 N 3 12 W

Quiberon 47 30 N 3 07 W

Belle Ile

Le Palais 47 21 N 3 10 W

La Trinite sur Mer 47 35 N 3 02 W

Morbihan

Locmariaquer 47 34 N 3 00 W

Auray 47 40 N 3 00 W

Vannes 47 39 N 2 45 W

**G A**

River Vilaine

La Roche Bernard 47 31 N 2 18 W

Redon 47 39 N 2 04 W

Mesquer 47 25 N 2 28 W

Piriac 47 23 N 2 33 W

Le Croisic 47 18 N 2 31 W

Le Pouliguen 47 16 N 2 25 W

River Loire

St. Nazaire 47 16 N 2 12 W

**P Y G C R B D T A**

Montoir 47 20 N 2 08 W

**Q Y G C R B T A**

Donges 47 18 N 2 04 W

**P Q B T A**

Cordemais 47 16 N 1 53 W

Coueron 47 12 N 1 42 W

Basse Indre 47 12 N 1 41 W

Ile Chevre 47 11 N 1 36 W

Chantenay 47 12 N 1 36 W

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Nantes 47 14 N 1 34 W

**P Q Y G C B T A**

Paimboeuf 47 17 N 2 02 W

**P Q G**

Saint Brevin 47 15 N 2 09 W

Pornic 47 07 N 2 07 W

Ile de Noirmoutier 47 02 N 2 18 W

Ile d'Yeu

Port Joinville 46 44 N 2 21 W

Sables d'Olonne 46 30 N 1 48 W

**Q Y G B A**

Marans 46 19 N 1 02 W

Ile de Re

Ars 46 12 N 1 32 W

St. Martin de Re 46 12 N 1 22 W

La Flotte 46 11 N 1 19 W

Port du Plomb 46 12 N 1 12 W

La Pallice 46 10 N 1 14 W

**P Y G C R B D T A**

La Rochelle 46 09 N 1 09 W

River Charente

Rochefort 45 56 N 0 58 W

**Y G B A**

Tonnay Charente 45 57 N 0 53 W

**Y G B**

Ile d'Oleron

Chateau d'Oleron 45 53 N 1 12 W

La Perotine 45 58 N 1 14 W

Marennes 45 49 N 1 07 W

Pointe aux Herbes 45 48 N 1 09 W

La Tremblade 45 46 N 1 08 W

River Gironde

La Coubre 45 42 N 1 14 W

St. Palais sur Mer 45 38 N 1 05 W

Royan 45 37 N 1 02 W

Mortagne sur Gironde 45 29 N 0 47 W

Blaye 45 07 N 0 40 W

**Q Y G B T A**

Roque de Thau 45 05 N 0 38 W

River Dordogne

Izon 44 57 N 0 22 W

Libourne 44 55 N 0 14 W

Ambes 45 02 N 0 36 W

**P Q B T**

River Garonne

Bassens 44 54 N 0 32 W

Bordeaux 44 50 N 0 34 W

**Q Y G C R B D T A**

Pauillac 45 12 N 0 45 W

**P B T A**

Trompeloup 45 14 N 0 45 W

Le Verdon 45 33 N 1 05 W

**Y C R T**

Pointe de Grave 45 34 N 1 04 W

Cap Ferret 44 37 N 1 15 W

Gujan-Mestras 44 38 N 1 03 W

Arcachon 44 40 N 1 10 W

Boucau 43 31 N 1 29 W

Bayonne 43 30 N 1 29 W

**P Q Y G B D T A**

Biarritz 43 30 N 1 34 W

St. Jean de Luz 43 24 N 1 40 W

Hendaye 43 22 N 1 46 W

50B

50C

50D

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SPAIN

Fuenterrabia 43 22 N 1 48 W

Pasajes 43 20 N 1 56 W

**Q Y G C R B D T A**

Renteria 43 20 N 1 53 W

San Sebastian 43 19 N 1 59 W

Guetaria 43 18 N 2 12 W

Zumaya 43 18 N 2 15 W

Ondarroa 43

SPAIN *continued*

Las Arenas 43 19 N 3 00 W  
 Portugalete 43 19 N 3 02 W  
 Sestao 43 18 N 2 58 W  
 Bilbao 43 17 N 2 55 W

P Q Y G C R B D T A

Povena 43 20 N 3 07 W  
 Onton 43 22 N 3 11 W  
 Punta Saltacaballo 43 22 N 3 11 W  
 Dícido 43 22 N 3 12 W  
 Castro Urdiales 43 24 N 3 14 W  
 Sanovia 43 24 N 3 20 W  
 Santana 43 28 N 3 28 W  
 Santander 43 28 N 3 46 W

P Q Y G C R B D T A

Astillero 43 24 N 3 49 W  
 Suances 43 25 N 4 02 W  
 Requejada 43 20 N 4 05 W  
 Ribadesella 43 28 N 5 04 W  
 Villaviciosa 43 32 N 5 23 W  
 Gijón 43 33 N 5 40 W

P Q Y G C R B D T A

Musel 43 34 N 5 41 W  
 Cabo de Penas 43 39 N 5 51 W  
 San Juan de Nieva 43 35 N 5 56 W  
 Aviles 43 35 N 5 56 W

Q Y G C B T A

San Esteban de Pravia 43 34 N 6 05 W  
 Luarca 43 32 N 6 31 W  
 Puerto de Vega 43 34 N 6 38 W  
 Navia 43 33 N 6 43 W  
 Tapia de Casariego 43 34 N 6 56 W  
 Castropol 43 32 N 7 01 W  
 Ribadeo 43 32 N 7 02 W

Y G B A

Burela 43 39 N 7 20 W

Y G B

San Ciprian 43 42 N 7 27 W

P Q Y G R T

Cillero 43 41 N 7 36 W  
 Vivero 43 40 N 7 36 W

Y G B

Punta de la Estaca 43 47 N 7 41 W  
 Ortigueira 43 41 N 7 50 W  
 Carino 43 44 N 7 51 W  
 Cedeira 43 39 N 8 04 W  
 Sada 43 22 N 8 15 W  
 Ferrol 43 28 N 8 16 W

Q Y G R B D T A

Fene 43 28 N 8 10 W  
 Corunna 43 23 N 8 22 W

P Q Y G C R B T A

Corme 43 16 N 8 58 W  
 Lage 43 13 N 9 00 W  
 Cabo Villano 43 10 N 9 13 W  
 Camarinas 43 07 N 9 11 W  
 Cape Finisterre 42 53 N 9 16 W  
 Corcubion 42 57 N 9 11 W

Y G A

Cee 42 57 N 9 10 W  
 Muros 42 45 N 9 01 W  
 Arosa Bay

Santa Eugenia de Riveira 42 33 N 8 59 W  
 Caraminal 42 36 N 8 56 W  
 Carril 42 37 N 8 46 W  
 Villagarcía 42 36 N 8 46 W

Q Y G R B T A

Sangenjo 42 24 N 8 48 W  
 Pontevedra 42 25 N 8 39 W  
 Marin 42 24 N 8 42 W

Y G C B D T A

Cangas 42 16 N 8 46 W  
 Rande 42 17 N 8 40 W  
 Vigo 42 14 N 8 40 W

P Q Y G C R B T A

La Guardia 41 54 N 8 53 W

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## PORTUGAL

Caminha 41 52 N 8 50 W  
 Viana do Castelo 41 41 N 8 52 W

Q Y G C R B D T A

Esposende 41 32 N 8 48 W  
 Leixoes 41 11 N 8 43 W

P Q Y G C R B T A

Matosinhos 41 11 N 8 41 W  
 River Douro  
 Douro 41 09 N 8 37 W

Q Y G B A

Aveiro 40 39 N 8 45 W

P Q Y G C R B D T A

Figueira da Foz 40 09 N 8 52 W

Y G C B D T

Nazare 39 36 N 9 05 W  
 San Martinho 39 31 N 9 09 W  
 Farilhoes Islands 39 29 N 9 32 W  
 Berlenga Island 39 25 N 9 30 W  
 Cabo Carvoeiro 39 22 N 9 24 W  
 Peniche 39 22 N 9 23 W  
 Cabo da Roca 38 46 N 9 30 W  
 Oitavos 38 41 N 9 28 W  
 Cascais 38 41 N 9 25 W  
 River Tagus (Rio Tejo)  
 Belem 38 41 N 9 13 W  
 Lisbon 38 44 N 9 07 W

P Q Y G C R B D T A

Barreiro 38 39 N 9 05 W  
 Cabo Espichel 38 25 N 9 14 W  
 Sesimbra 38 26 N 9 06 W  
 Setubal 38 30 N 8 55 W

Q Y G C R B D T A

Sines 37 57 N 8 52 W

P Q Y G C R B T A

Cabo de Sao Vicente 37 01 N 9 00 W  
 Sagres 36 59 N 8 56 W  
 Lagos 37 05 N 8 40 W  
 Portimao 37 08 N 8 32 W

Y G C R T A

Albufeira 37 05 N 8 15 W  
 Faro 37 01 N 7 55 W

P Q G B T A

Olhao 37 01 N 7 50 W  
 Tavira 37 08 N 7 39 W

River Guadiana

Vila Real de Santo Antonio  
 37 11 N 7 25 W  
 Pomarao 37 34 N 7 30 W

Pomarao 37 34 N 7 30 W

## SPAIN

La Laja 37 30 N 7 28 W  
 Sanlucar de Guadiana 37 27 N 7 28 W  
 Ayamonte 37 13 N 7 24 W  
 Isla Cristina 37 12 N 7 20 W  
 Huelva 37 16 N 6 55 W

P Q Y G C R B D T A

River Guadalquivir

Sanlucar de Barrameda 36 46 N 6 21 W  
 Bonanza 36 48 N 6 20 W  
 San Juan de Aznalfarache  
 37 21 N 6 02 W  
 Seville 37 22 N 6 00 W

Y G C R B D T A

Chipiona 36 44 N 6 26 W  
 Rota 36 37 N 6 22 W  
 Puerto de Santa Maria 36 36 N 6 14 W

P Q Y G C B A

Puerto Real 36 32 N 6 11 W  
 San Fernando 36 28 N 6 12 W  
 Cadiz 36 30 N 6 20 W

P Q Y G C R B D T A

Cape Trafalgar 36 11 N 6 02 W  
 Barbate 36 10 N 5 59 W  
 Punta Camarinal 36 05 N 5 48 W  
 Tarifa 36 00 N 5 36 W

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## 52C

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## 53A

Getares 36 05 N 5 26 W  
 Algeciras 36 07 N 5 26 W

P Q Y G C R B T A

San Roque 36 11 N 5 24 W  
 Puente Mayorga 36 10 N 5 23 W  
 La Linea 36 10 N 5 21 W

## GIBRALTAR (United Kingdom)

Gibraltar 36 09 N 5 20 W

P Y G C R B D T A

Europa Point 36 06 N 5 21 W

## MEDITERRANEAN SEA

## SPAIN

Estepona 36 25 N 5 09 W  
 Puerto Banus 36 29 N 4 56 W  
 Marbella 36 30 N 4 53 W  
 Malaga 36 41 N 4 26 W

Q Y G C R B D T A

Nerja 36 44 N 3 53 W  
 Almunecar 36 44 N 3 41 W  
 Salobrena 36 45 N 3 35 W  
 Motril 36 43 N 3 31 W

P Q Y G R B T A

Adra 36 43 N 3 02 W  
 Roquetas 36 45 N 2 37 W  
 Almeria 36 50 N 2 30 W

P Y G R T A

Cabo de Gata 36 43 N 2 11 W  
 Agua Amarga 36 56 N 1 56 W  
 Carboneras 37 00 N 1 53 W

Y B T A

Garrucha 37 10 N 1 50 W

Y G B T A

Villaricos 37 15 N 1 47 W  
 Aguilas 37 24 N 1 34 W

Y G

Hornillo 37 25 N 1 34 W  
 Mazarron 37 34 N 1 15 W  
 La Calera 37 34 N 1 12 W  
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Escombreras 37 33 N 0 58 W  
 Portman 37 35 N 0 51 W  
 Cabo de Palos 37 38 N 0 41 W  
 San Pedro del Pinatar 37 49 N 0 45 W  
 Torre Vieja 37 58 N 0 41 W

Y G B A

Santa Pola 38 12 N 0 34 W  
 Alicante 38 20 N 0 29 W

P Q Y G C R B T A

Cabo de las Huertas 38 21 N 0 24 W  
 Villajoyosa 38 30 N 0 14 W  
 Altea 38 36 N 0 03 W  
 Cabo de la Nao 38 44 N 0 14 E  
 Javea 38 48 N 0 11 E  
 Denia 38 50 N 0 07 E

## BALEARIC ISLANDS

Ibiza Island  
 Ibiza 38 54 N 1 28 E

P Q G R B T A

La Canal 38 50 N 1 23 E

Formentera Island  
 La Savina 38 44 N 1 25 E

G R

Cabrera Island 39 08 N 2 55 E  
 Majorca (Mallorca) Island  
 Palma (Palma de Mallorca)  
 39 33 N 2 38 E

P Y G C R B T A

Porto Pi 39 33 N 2 37 E  
 Sollers 39 48 N 2 41 E  
 Puerto Pollensa 39 53 N 3 04 E

## 54A

## 54B

## 54C

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## 54D

P Petroleum Q Other Liquid Bulk Y Dry Bulk G General Cargo  
 C Containers R Ro-Ro B Bunkers D Dry Dock T Towage  
 A Airport (within 100km)

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Alcudia 39 50 N 3 08 E  
 P Q G C R B T A

Dragonera Island 39 34 N 2 18 E  
 Minorca (Menorca) Island  
 Mahon 39 52 N 4 18 E  
 Q G C R B T A

Ciudadela 40 00 N 3 50 E  
 Gandia 39 00 N 0 09 W  
 Y G C R B T A

Cullera 39 11 N 0 13 W  
 Valencia 39 27 N 0 18 W  
 P Q Y G C R B D T A

Grao de Murviedro 39 38 N 0 15 W  
 Sagunto 39 39 N 0 13 W  
 Y G C R B T A

Burriana 39 52 N 0 04 W  
 G B A

Castellon 39 58 N 0 01 E  
 P Q Y G C R B T A

Benicarlo 40 25 N 0 26 E  
 Vinaroz 40 28 N 0 28 E  
 Alcanar 40 35 N 0 33 E  
 San Carlos de la Rapita 40 36 N 0 36 E  
 Y G B A

Alfaques 40 36 N 0 40 E  
 Cabo de Tortosa 40 43 N 0 55 E  
 Tarragona 41 06 N 1 14 E  
 P Q Y G C R B T A

Villanueva y Geltru 41 13 N 1 44 E  
 Sitges 41 14 N 1 50 E  
 Vallcarca 41 14 N 1 52 E  
 Barcelona 41 21 N 2 10 E  
 P Q Y G C R B C T A

Badalona 41 27 N 2 15 E  
 Blanes 41 40 N 2 48 E  
 San Feliu de Guixols 41 46 N 3 01 E  
 Y G B A

Palamos 41 50 N 3 08 E  
 Y G C R B A

Rosas 42 15 N 3 11 E  
 G B A

Port Selva 42 20 N 3 12 E  
 Portbou 42 25 N 3 09 E

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Collioure 42 32 N 3 05 E  
 Barcares de Saint Laurent 42 47 N 3 02 E  
 La Nouvelle 43 01 N 3 04 E  
 P Q Y G R B T A

Sete 43 24 N 3 42 E  
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Balaruc 43 28 N 3 41 E  
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Arles 43 41 N 4 38 E  
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Chalon-sur-Saone 46 47 N 4 50 E  
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St. Louis du Rhone 43 23 N 4 49 E  
 P Q G R B T A

Fos 43 23 N 4 51 E  
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Port de Bouc 43 24 N 4 59 E  
 Q Y G T A

Caronte 43 24 N 5 02 E  
 Lake Berre

Etang de Berre 43 29 N 5 10 E  
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La Mede 43 24 N 5 06 E

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Martigues 43 24 N 5 03 E  
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Port de la Lave 43 22 N 5 18 E  
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 Marseilles (Marseille) 43 20 N 5 21 E  
 P Q Y G C R B D T A

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 La Ciotat 43 10 N 5 36 E  
 Sanary-sur-Mer 43 07 N 5 48 E  
 La Seyne 43 06 N 5 53 E  
 Toulon 43 07 N 5 55 E  
 Y G C R B D T A

Hyerres-Plage 43 05 N 6 09 E  
 Hyerres Island

Porquerolles 42 59 N 6 12 E  
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 Nice 43 42 N 7 17 E  
 G R B A

Villefranche 43 42 N 7 19 E  
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**MONACO**

Monte Carlo 43 44 N 7 25 E  
 G A

**FRANCE**

Menton 43 47 N 7 30 E

**CORSICA (CORSE)**

Cap Corse 43 00 N 9 22 E  
 Bastia 42 42 N 9 27 E  
 P G R B A

Lucciana Terminal 42 32 N 9 33 E  
 Solenzara 41 52 N 9 24 E  
 Porto Vecchio 41 36 N 9 17 E  
 G R A

Cap Pertusato 41 22 N 9 11 E  
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 G R A

Propriano 41 40 N 8 54 E  
 G R B A

Ajaccio 41 55 N 8 44 E  
 G R B T A

Calvi 42 35 N 8 48 E  
 G R B A

Ile Rousse 42 39 N 8 56 E  
 G R A

St. Florent 42 41 N 9 18 E

**ITALY**

**SARDINIA (SARDEGNA)**

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 Santa Teresa Gallura 41 14 N 9 10 E  
 Maddalena Island

La Maddalena 41 13 N 9 24 E  
 G B D T

Palau 41 11 N 9 23 E  
 Porto Cervo 41 07 N 9 31 E  
 Golfo Aranci 41 00 N 9 37 E  
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Arbatax 39 56 N 9 42 E  
 G C R B T A

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 Sant' Antioco 39 02 N 8 26 E  
 Y G B A

San Pietro Island  
 Carloforte 39 09 N 8 19 E  
 Porto Vesme 39 12 N 8 24 E  
 P Q Y G R B T A

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 Porto Flavia 39 20 N 8 26 E  
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Oristano 39 52 N 8 33 E  
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 G B A

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 Asinara Island 41 06 N 8 18 E  
 Porto Torres 40 50 N 8 24 E  
 P Q Y G C R B T A

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 San Remo 43 49 N 7 47 E  
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 Imperia 43 53 N 8 02 E  
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 Camogli 44 21 N 9 09 E  
 Portofino 44 18 N 9 14 E  
 Santa Margherita 44 20 N 9 13 E  
 Rapallo 44 21 N 9 14 E  
 Sestri Levante 44 16 N 9 23 E  
 Portovenere 44 02 N 9 51 E  
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 P Q Y G C R B D T A

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 Q G

Piombino 42 56 N 10 33 E  
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 Porto Azzurro 42 46 N 10 24 E  
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 Follonica 42 55 N 10 45 E  
 P Q Y G A

Portiglione 42 53 N 10 46 E

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G

Santa Liberata 42 25 N 11 09 E  
Porto Santo Stefano 42 27 N 11 07 E

P Y G B

Giglio Island 42 22 N 10 55 E  
Civitavecchia 42 06 N 11 48 E

P Y G C R B T A

Fiumicino 41 46 N 12 14 E

P G B T A

Ostia 41 43 N 12 18 E  
Anzio 41 27 N 12 38 E

G A

Terracina 41 17 N 13 15 E  
Ponza IslandPonza 40 54 N 12 58 E  
Gaeta 41 13 N 13 35 E

P Y G R B D T A

Formia 41 15 N 13 36 E

Y G R B

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Procida 40 47 N 14 02 E

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Porto d'Ischia 40 44 N 13 57 E

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Y G B A

Naples (Napoli) 40 51 N 14 16 E

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Portici 40 49 N 14 20 E

G B A

Torre del Greco 40 47 N 14 22 E  
Torre Annunziata 40 45 N 14 27 E

Y G A

Castellammare di Stabia 40 42 N 14 29 E

G R B A

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Massalubrense 40 36 N 14 20 E

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Gioia Tauro 38 26 N 15 54 E

C R T

Bagnara Calabra 38 16 N 15 48 E

Scilla 38 15 N 15 43 E

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## SICILY (SICILIA)

Messina 38 12 N 15 34 E

Y G R B D T A

Forte Spuria 38 16 N 15 37 E

Milazzo 38 13 N 15 15 E

P Q G R B T

Termini Imerese 37 59 N 13 42 E

Porticello 38 05 N 13 32 E

Palermo 38 07 N 13 22 E

P Q Y G C R B D T A

Castellammare del Golfo 38 02 N 12 53 E

Trapani 38 02 N 12 31 E

Q G C R B D T A

Egadi Islands

Favignana Island

Favignana 37 56 N 12 20 E

Marsala 37 48 N 12 26 E

P Q Y G B A

Mazara del Vallo 37 39 N 12 35 E

Q G B A

Sciacca 37 30 N 13 05 E

Porto Empedocle 37 17 N 13 32 E

Y G R B T

Licata 37 06 N 13 56 E

Y G B

Gela 37 04 N 14 15 E

P Q Y G B T A

Scoglitti 36 53 N 14 26 E

Vega Terminal 36 32 N 14 37 E

Pozzallo 36 43 N 14 51 E

Cape Passero 36 41 N 15 09 E

Pantelleria Island 36 47 N 12 00 E

Pelagie Islands

Linosa Island 35 52 N 12 51 E

Lampedusa Island

Lampedusa 35 30 N 12 36 E

Q G B A

Avola 36 54 N 15 09 E

Siracusa (Syracuse) 37 03 N 15 18 E

Y G B T A

Santa Panagia (Melilli) 37 07 N 15 16 E

P Q B T A

Priolo 37 09 N 15 12 E

Magnisi 37 09 N 15 15 E

Augusta 37 12 N 15 13 E

P Q Y G C R B D T A

Porto Xifonio 37 14 N 15 14 E

Catania 37 31 N 15 06 E

P Y G C R B T A

Acireale 37 36 N 15 11 E

Riposto 37 44 N 15 13 E

Giardini 37 50 N 15 17 E

Taormina 37 51 N 15 18 E

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## MALTA

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P Q G C R B T A

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Mgarr 36 01 N 14 18 E

## ITALY

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Schiavonia 39 38 N 16 32 E

Corigliano 39 40 N 16 31 E

Trebisacci 39 52 N 16 32 E

Taranto 40 27 N 17 12 E

P Y G C R B T A

Gallipoli 40 03 N 18 00 E

G B A

Otranto 40 09 N 18 30 E

G B A

Brindisi 40 39 N 17 59 E

P Q Y G C R B T A

Monopoli 40 57 N 17 18 E

Q Y G R B A

Bari 41 08 N 16 53 E

P Y G C R B T A

## 59B

Molfetta 41 13 N 16 38 E

Y G B A

Barletta 41 19 N 16 16 E

P Y G B T A

Margherita di Savoia 41 23 N 16 09 E

Manfredonia 41 37 N 15 55 E

P Q G B T A

Termoli 42 00 N 15 00 E

Vasto 42 06 N 14 43 E

P Y G B

Ortona 42 21 N 14 25 E

P Y G R B A

Pescara 42 28 N 14 14 E

G B A

San Benedetto del Tronto 42 57 N 13 53 E

P G

Porto Recanati 43 25 N 13 40 E

Ancona 43 36 N 13 31 E

P Y G C R B T A

Falconara 43 40 N 13 24 E

Senigallia 43 42 N 13 03 E

Fano 43 51 N 13 01 E

Pesaro 43 55 N 12 54 E

P Y G B A

Cattolica 43 58 N 12 46 E

Rimini 44 04 N 12 35 E

Porto Corsini 44 29 N 12 17 E

Ravenna 44 25 N 12 27 E

P Q Y G C R B D T A

Porto Garibaldi 44 40 N 12 14 E

River Po

Porto Levante 45 04 N 12 22 E

Donada 45 03 N 12 13 E

Taglio di Po 44 59 N 12 12 E

Boretto 44 54 N 10 33 E

Cremona 45 08 N 10 01 E

Pavia 45 11 N 9 08 E

Chioggia 45 13 N 12 17 E

Y G R B T A

Pellestrina 45 16 N 12 18 E

Lido 45 25 N 12 26 E

Venice (Venezia) 45 26 N 12 20 E

P Q Y G C R B D T A

Porto Marghera 45 28 N 12 17 E

Santa Margherita 45 35 N 12 52 E

Porto Nogaro 45 49 N 13 14 E

G C A

Porto Buso 45 43 N 13 15 E

Torviscosa 45 50 N 13 17 E

Monfalcone 45 47 N 13 33 E

P Y G C R B T A

Sistiana 45 46 N 13 38 E

## 60A

## 60B

## 60C

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## 60D

P Petroleum Q Other Liquid Bulk Y Dry Bulk G General Cargo  
 C Containers R Ro-Ro B Bunkers D Dry Dock T Towage  
 A Airport (within 100km)

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Trieste 45 39 N 13 48 E

P Q Y G C R B D T A

Servola 45 38 N 13 47 E

Zaule 45 36 N 13 47 E

Muggia 45 36 N 13 45 E

## SLOVENIA

Koper (Capodistria) 45 33 N 13 44 E

P Q Y G C R B T A

Izola 45 33 N 13 40 E

G R B D A

Piran 45 32 N 13 34 E

Portoroz 45 31 N 13 35 E

## CROATIA

Umag 45 26 N 13 31 E

Novigrad (Cittanova) 45 19 N 13 34 E

Luka Mirna (Port Quito) 45 18 N 13 34 E

Tar (Val di Torre) 45 19 N 13 36 E

Porec (Parenzo) 45 14 N 13 36 E

Vrsar (Orsera) 45 09 N 13 36 E

Limski Canal (Canal di Leme)

45 07 N 13 36 E

Rovinj (Rovigno) 45 05 N 13 38 E

G A

Brijuni Island

Brijuni 44 54 N 13 47 E

Pula (Pola) 44 53 N 13 50 E

Y G C R B A

Budava 44 54 N 13 59 E

Rasa 45 02 N 14 04 E

Y G A

Sv. Mikula 44 59 N 14 05 E

Gradac 44 58 N 14 06 E

Koromacno 44 58 N 14 07 E

Prtlog 45 03 N 14 09 E

Rabac 45 04 N 14 10 E

Plomin 45 08 N 14 12 E

Y R A

Opatija (Abbazia) 45 20 N 14 19 E

Rijeka (Fiume) 45 19 N 14 26 E

P Q Y G C R B D T A

Urinj 45 16 N 14 34 E

Bakar 45 18 N 14 32 E

Kraljevica 45 17 N 14 34 E

Crikvenica 45 10 N 14 42 E

Novi Vinodolski 45 08 N 14 48 E

Senj 45 00 N 14 53 E

Sveti Juraj 44 56 N 14 55 E

Krk (Veglia) Island

Krk (Veglia) 45 01 N 14 35 E

Malinska 45 07 N 14 31 E

Omisalj 45 13 N 14 33 E

P Q B A

Cres (Cherso) Island

Beli 45 06 N 14 22 E

Cres (Cherso) 44 58 N 14 25 E

Losinj Island

Mali Losinj (Lussinpiccolo)

44 32 N 14 28 E

Rab (Arbe) Island

Rab (Arbe) 44 45 N 14 46 E

Velika Stinica 44 43 N 14 52 E

Jablanac 44 42 N 14 52 E

Karlobag 44 30 N 15 07 E

Pag (Pago) Island

Pag (Pago) 44 27 N 15 03 E

Maslenica 44 13 N 15 32 E

Zadar (Zara) 44 07 N 15 14 E

P Q Y G R D T A

Gazenica 44 05 N 15 16 E

Ugljan Island

Lamjana 44 01 N 15 14 E

Dugi Island

Veli Rat 44 09 N 14 49 E

Sali 43 55 N 15 10 E

Vodice 43 45 N 15 47 E

Sibenik 43 44 N 15 54 E

Q Y G R B T A

Primosten 43 35 N 15 55 E

61A

Rogoznica 43 32 N 15 58 E

Trogir 43 31 N 16 15 E

Kastel Sucurac 43 33 N 16 25 E

Solin 43 32 N 16 28 E

Supaval Bay 43 30 N 16 23 E

Vranjic 43 30 N 16 27 E

Split (Spalato) 43 30 N 16 27 E

P Q Y G R B D T A

Solta Island 43 24 N 16 12 E

Brac Island

Supetar 43 23 N 16 33 E

Milna 43 19 N 16 27 E

Bol 43 15 N 16 39 E

Pucise 43 20 N 16 43 E

Dugi Rat 43 27 N 16 39 E

Omis 43 26 N 16 42 E

Ravnice 43 25 N 16 42 E

Makarska 43 17 N 17 01 E

Hvar Island

Hvar 43 16 N 16 27 E

G

Stari Grad 43 12 N 16 33 E

Vis Island

Komiza 43 02 N 16 05 E

Korcula Island

Korcula 42 48 N 17 08 E

G

Vela Luka 42 59 N 16 37 E

Brna 42 54 N 16 51 E

Lastovo Island

Lastovo 42 46 N 16 54 E

Ploce 43 02 N 17 25 E

P Q Y G C R B T

Rogotin 43 03 N 17 29 E

Metkovic 43 03 N 17 39 E

Gruz 42 40 N 18 05 E

Dubrovnik (Ragusa) 42 38 N 18 07 E

P Y G C R A

Cavtat 42 34 N 18 13 E

## SERBIA AND MONTENEGRO

Hercegnovi 42 27 N 18 32 E

Zelenika 42 27 N 18 35 E

Bijela 42 27 N 18 40 E

Lipci 42 29 N 18 40 E

Risan 42 31 N 18 42 E

Kotor 42 25 N 18 46 E

P G B T A

Tivat 42 26 N 18 42 E

Budva 42 17 N 18 51 E

Petrovac 42 12 N 18 55 E

Bar 42 05 N 19 05 E

P Q Y G C R B T A

Ulcinj 41 55 N 19 12 E

## ALBANIA

Shengjin 41 49 N 19 36 E

G T

Durrës (Durazzo) 41 19 N 19 27 E

P Y G C R T A

Vlore (Valona) 40 29 N 19 29 E

P Y G R

Himare 40 08 N 19 43 E

Sarandë 39 53 N 20 00 E

G

## GREECE

Corfu (Kerkira) Island

Corfu (Kerkira) 39 37 N 19 57 E

P Q Y G R B T A

Igoumenitsa 39 32 N 20 13 E

P Y G R B T A

Gulf of Arta

Preveza 38 57 N 20 45 N

P Y G B A

Cape Kopraina 39 02 N 21 06 E

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Amfilochia 38 52 N 21 10 E

Levkas Island

Drepanon 38 47 N 20 44 E

Astakos 38 32 N 21 05 E

G C B A

Platylali 38 28 N 21 06 E

Ithaka Island

Vathi 38 22 N 20 44 E

G R B

Stavros 38 27 N 20 39 E

Cephalonia (Kefallinia) Island

Y G A

Lixuri 38 12 N 20 28 E

Argostoli 38 12 N 20 29 E

Samos 38 15 N 20 40 E

Zante (Zakynthos) Island

Zante (Zakynthos) 37 47 N 20 54 E

G A

Mesolongion (Mesolongi) 38 19 N 21 22 E

G R

Krioneri 38 21 N 21 35 E

Navpaktos 38 24 N 21 49 E

Eratini 38 21 N 22 14 E

Itea 38 26 N 22 25 E

Y G R B

Aspra Spitia 38 22 N 22 38 E

Andikiron Bay 38 21 N 22 40 E

Thisvi 38 15 N 22 57 E

Corinth Canal

Corinth (Korinthos) 37 57 N 22 56 E

Poseidonia 37 57 N 22 57 E

Isthmia 37 55 N 23 00 E

Kiato 38 01 N 22 44 E

Valimitika 38 14 N 22 08 E

Aegion 38 15 N 22 06 E

Rion 38 18 N 21 48 E

Patras 38 15 N 21 44 E

P Q Y G C R B T

Alyssos 38 09 N 21 35 E

Araxos 38 10 N 21 24 E

Kyllini 37 57 N 21 09 E

Katakolon 37 39 N 21 20 E

Y G B T

Pyrgos 37 40 N 21 27 E

Kyparissia 37 15 N 21 41 E

Proti Island 37 03 N 21 33 E

Navarino Bay

Pylos (Pilos) 36 55 N 21 42 E

G B T A

Sfaktiria Island 36 57 N 21 40 E

Methoni 36 50 N 21 43 E

Kalamata 37 00 N 22 07 E

P Y G C R B A

Cape Tainaron (Cape Matapan)

36 23 N 22 29 E

Gythion (Yithion) 36 45 N 22 34 E

G

Plytra 36 41 N 22 50 E

Kelendhi Point 36 33 N 22 56 E

Vatika Bay 36 31 N 23 00 E

Cape Maleas 36 26 N 23 12 E

Kithira Island

Kithira 36 08 N 23 00 E

Monemvasia 36 41 N 23 03 E

Nauplia (Navplion) 37 34 N 22 48 E

G

Kheli 37 19 N 23 09 E

Spetsai Island 37 16 N 23 10 E

Ermioni 37 23 N 23 14 E

Hydra (Idhra) Island 37 21 N 23 28 E

Poros 37 30 N 23 28 E

Epidaurus (Epidhavoros) 37 38 N 23 10 E

Aegina (Aiyina) Island

Aegina (Aiyina) 37 44 N 23 25 E

Ayia Marina 37 44 N 23 32 E

Metokhi 37 42 N 23 23 E

Kalamaki Bay

Kalamaki 37 55 N 23 01 E

P Y G B

63A

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63C

63D

61B

61C

61D

62B

62C

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Payas 36 45 N 36 11 E  
 Isdemir 36 44 N 36 11 E  
 Sariseki 36 40 N 36 13 E  
 Iskenderun 36 36 N 36 10 E  
 P Q Y G C R B T A

73A

**CYPRUS**

Kyrenia 35 20 N 33 19 E  
 G R B T A  
 Morphou Bay  
 Y G A

Xeros Pier 35 08 N 32 50 E  
 Karavostassi 35 08 N 32 49 E  
 Khrysokhu Bay  
 Latchi 35 02 N 32 24 E  
 Paphos 34 45 N 32 25 E  
 Akrotiri 34 34 N 33 02 E  
 Limassol 34 40 N 33 03 E  
 P Y G C R B D T A

Moni Anchorage 34 42 N 33 12 E  
 P A

73B

Vassiliko Bay 34 42 N 33 20 E  
 P Q Y G R B T A

Zyyi 34 43 N 33 20 E  
 Larnaca 34 55 N 33 38 E  
 P Q Y G C R B T A

Dhekelia 34 59 N 33 44 E  
 P A

Famagusta 35 07 N 33 56 E  
 P Q Y G C R B T A

Bogaz 35 19 N 33 57 E  
 Gastria Bay  
 Kalecik 35 19 N 33 59 E  
 P Y G A

**SYRIA**

73C

Borj Islam 35 40 N 35 48 E  
 Minet el Beida 35 37 N 35 46 E  
 Lattakia (Latakia) 35 31 N 35 46 E  
 P Y G C R B T A

Banias (Baniyas) 35 14 N 35 56 E  
 P Y A

Tartous (Tartus) 34 54 N 35 52 E  
 P Y G C R B T A

Arwad (Rouad) Island 34 51 N 35 51 E

**LEBANON**

Tripoli (Tarabulus) 34 28 N 35 50 E  
 P G R B T A

Chekka 34 20 N 35 44 E  
 Selaata 34 16 N 35 39 E  
 Q Y G B T A

Jbeil 34 06 N 35 38 E  
 Jounieh 33 59 N 35 39 E  
 Zouk 33 58 N 35 35 E  
 Dbayeh 33 56 N 35 35 E  
 Beirut (Beyrouth) 33 54 N 35 31 E  
 P Q Y G C R B A

73D

Jieh 33 40 N 35 24 E  
 Sidon (Saïda) 33 34 N 35 22 E  
 G A

Zahrani Terminal 33 32 N 35 19 E  
 P B A

Sour (Tyr) 33 16 N 35 12 E  
 G

**ISRAEL**

Akko (Acre) 32 55 N 35 04 E  
 Kishon 32 49 N 35 01 E

Haifa 32 49 N 35 00 E  
 P Q Y G C R B D T A

Hadera 32 27 N 34 55 E  
 P Y B T A

Tel Aviv 32 06 N 34 47 E  
 Yafo (Jaffa) 32 03 N 34 45 E  
 Ashdod 31 49 N 34 38 E  
 Y G C R B T A

Ashkelon 31 40 N 34 33 E  
 P Q Y

Gaza 31 30 N 34 27 E  
 Rafah 31 19 N 34 12 E

**EGYPT**

El Arish 31 07 N 33 48 E  
 Suez Canal  
 Port Said 31 15 N 32 18 E  
 P Y G C R B D T A

74A

Port Fouad 31 14 N 32 20 E  
 El Qantara 30 51 N 32 19 E  
 Ismailia 30 35 N 32 17 E  
 Nifisha 30 34 N 32 15 E  
 Lake Timsah 30 34 N 32 18 E

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74B

Bitter Lakes  
 Abu Sultan 30 25 N 32 18 E  
 Fayid 30 20 N 32 18 E  
 Fanara 30 17 N 32 21 E  
 Marakib 29 55 N 32 34 E  
 Port Tewfik 29 56 N 32 34 E  
 Port Ibrahim 29 56 N 32 33 E  
 Suez 29 58 N 32 33 E  
 P Y G C R B D T A

El Mina El Gedida 29 57 N 32 32 E  
 Damietta 31 23 N 31 48 E  
 Y G C R B T A

Idku 31 18 N 30 17 E  
 Q

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74C

Abu Kir 31 18 N 30 04 E  
 Y G B T A

Alexandria 31 11 N 29 52 E  
 P Q Y G C R B D T A

El Dekheila 31 09 N 29 48 E  
 Y G C R T A

El Agami Island 31 09 N 29 47 E  
 Sidi Kerir Terminal 31 06 N 29 37 E  
 P T A

Mersa el Hamra Terminal (El Alamein)  
 30 59 N 28 52 E  
 P

Mersa Matruh 31 22 N 27 14 E  
 G C R

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Salum 31 34 N 25 11 E

**LIBYA**

Bardia 31 45 N 25 07 E  
 Marsa el Hariga 32 04 N 24 00 E  
 Tobruk 32 05 N 23 59 E  
 P Y G C R B T A

74D

Derna 32 46 N 22 39 E  
 Y G C R T

Ras el Hilal 32 55 N 22 11 E  
 Apollonia 32 54 N 21 58 E  
 Tolmeta 32 43 N 20 57 E  
 Benghazi 32 07 N 20 03 E  
 P Y G C R B T A

Zueitina Terminal 30 51 N 20 03 E  
 P Q

Marsa el Brega 30 25 N 19 35 E  
 P Q Y G R T

Ras Lanuf 30 31 N 18 34 E  
 P Q A

Es Sider Terminal 30 38 N 18 21 E  
 P

75A

Sirte 31 13 N 16 35 E  
 Misurata (Qasr Ahmed) 32 22 N 15 14 E  
 Y G C R T

Zliten 32 30 N 14 34 E  
 Khoms 32 39 N 14 16 E  
 Y G C R

Tripoli 32 54 N 13 11 E  
 Q Y G C R B T A

Az Zawiyah 32 49 N 12 43 E  
 Zawia Terminal 32 49 N 12 43 E  
 P A

Bouri Terminal 33 54 N 12 39 E  
 Zuara 32 55 N 12 07 E  
 G R T

Farwah Terminal 33 51 N 12 02 E  
 Abu Kammash 33 04 N 11 49 E  
 P Q G

75B

**TUNISIA**

Zarzis 33 30 N 11 07 E  
 G R B T

Djerba Island  
 Ajim 33 43 N 10 44 E  
 Bou Grara 33 30 N 10 40 E  
 Gabes 33 55 N 10 06 E  
 P Q Y G C R B T

Ashtart Terminal 34 17 N 11 24 E  
 P T A

La Skhira 34 14 N 10 04 E  
 P Q T A

Ras Tina 34 39 N 10 41 E  
 Sfax 34 44 N 10 46 E  
 P Q Y G C R B T A

75C

Kerkennah Islands 34 41 N 10 58 E  
 Isis Terminal 34 34 N 12 32 E  
 Mahdia 35 31 N 11 05 E  
 Ras Dimasse 35 35 N 11 01 E  
 Monastir 35 47 N 10 50 E  
 Sousse (Susa) 35 50 N 10 39 E  
 Q Y G C R T A

Tazerka Terminal 36 36 N 11 41 E  
 Cap Bon 37 05 N 11 03 E  
 Tunis 36 48 N 10 12 E  
 Rades 36 48 N 10 14 E  
 G C R B T A

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La Goulette 36 49 N 10 18 E  
 P Y G C R B T A

Ghar el Melh 37 10 N 10 10 E  
 Cap Farina 37 11 N 10 17 E  
 Menzel Bourguiba 37 09 N 9 48 E  
 Y G D T A

Bizerza 37 16 N 9 53 E  
 P Q Y G C R B T A

Cap Serrat 37 15 N 9 13 E  
 Galita Island 37 32 N 8 56 E  
 Tabarka 36 58 N 8 46 E

75D

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**ALGERIA**

La Calle 36 54 N 8 26 E  
 Annaba 36 54 N 7 45 E  
 P Q Y G C R B D T A

Mersa Takouch 37 04 N 7 23 E  
 Port Methanier 36 53 N 6 57 E  
 Skikda 36 53 N 6 54 E  
 P Q Y G C R B T A

Collo 37 00 N 6 34 E  
 G

Cap Bougaroni 37 05 N 6 28 E

**ALGERIA** *continued*

Jijel 36 50 N 5 47 E  
 Y G R T A

Les Falaises 36 39 N 5 25 E  
 Bejaia 36 45 N 5 06 E

P Q Y G C R B T A

Azoeffoun 36 54 N 4 25 E  
 Dellys 36 55 N 3 55 E  
 G A

Algiers (Alger) 36 47 N 3 04 E  
 P Q Y G C R B D T A

Cherchell 36 37 N 2 11 E  
 G

Sidi Ghiles 36 32 N 2 07 E  
 Gouraya 36 34 N 1 53 E  
 Port Breira 36 32 N 1 35 E  
 Tenes 36 31 N 1 19 E  
 G

Mostaganem 35 56 N 0 04 E  
 Y G R B T

Bethioua 35 48 N 0 12 W  
 Q T

Arzew 35 52 N 0 18 W  
 P Q G B T A

Oran 35 43 N 0 39 W  
 P Y G C R B T A

Mers el Kebir 35 44 N 0 42 W  
 Beni Saf 35 18 N 1 23 W  
 Y G D A

Honian 35 11 N 1 40 W  
 Ghazaouet 35 06 N 1 52 W  
 Q Y G C R B T A

Port Kelah 35 06 N 2 09 W  
 Port Say 35 05 N 2 12 W

Port Kelah 35 06 N 2 09 W  
 Port Say 35 05 N 2 12 W

**MOROCCO**

Chafarinas Islands 35 11 N 2 26 W  
 Nador 35 16 N 2 55 W  
 P Q Y G R T

Melilla (Spain) 35 18 N 2 56 W  
 P Y G C R B T A

Cabo Tres Forcas 35 26 N 2 58 W  
 Afrau 35 12 N 3 30 W  
 Al Hoceima (Alhucemas) 35 15 N 3 54 W  
 Puerto Capaz 35 13 N 4 41 W  
 Al Mediq 35 41 N 5 19 W  
 Ceuta (Spain) 35 53 N 5 19 W  
 P Q Y G C R B T A

Tangier (Tanger) 35 47 N 5 48 W  
 P G C R B T A

Cape Spartel 35 47 N 5 56 W  
 Larache (El Aaraich) 35 12 N 6 09 W  
 Oued Sebou

Mehdia 34 18 N 6 39 W  
 Kenitra 34 16 N 6 35 W  
 Y G B T A

Rabat 34 02 N 6 50 W  
 Mohammedia (Fedala) 33 43 N 7 22 W  
 P Q Y B T A

Casablanca 33 37 N 7 36 W  
 P Q Y G C R B D T A

El Jadida 33 16 N 8 31 W  
 Y G T A

Jorf Lasfar 33 07 N 8 38 W  
 P Q Y G R

Safi 32 18 N 9 15 W  
 P Q Y G B T

Essaouira 31 30 N 9 47 W  
 Anza 30 26 N 9 39 W

76A

Agadir 30 25 N 9 38 W  
 P Q Y G C R B T A

Sidi Ifni 29 22 N 10 12 W  
 Tan Tan 28 30 N 11 21 W  
 Cape Juby 27 57 N 12 55 W  
 Tarfaya 27 56 N 12 56 W

**AZORES (Portugal)**

Corvo Island 39 40 N 31 07 W  
 Flores Island

Santa Cruz 39 27 N 31 07 W  
 Fayal Island  
 Horta 38 32 N 28 38 W  
 P Q G C B T A

Pico Island  
 Lajes 38 23 N 28 16 W

San Jorge Island  
 Velas 38 40 N 28 13 W

Graciosa Island  
 Santa Cruz 39 05 N 28 01 W  
 Praia da Graciosa 39 03 N 27 58 W  
 G A

Terceira Island  
 Angra do Heroismo 38 39 N 27 13 W  
 Q G C B A

Praia da Vitoria 38 44 N 27 03 W  
 P Y G C T A

St. Michael's (San Miguel) Island  
 Ponta Delgada 37 44 N 25 40 W  
 P Q Y G C R B T A

Ponta do Arnel 37 49 N 25 08 W  
 Santa Maria Island  
 Vila do Porto 36 56 N 25 09 W

MADEIRA ISLANDS (Portugal)

Madeira Island  
 Funchal 32 38 N 16 54 W  
 P Q Y G C R B T A

Praia Formosa 32 38 N 16 57 W  
 Pargo Point 32 48 N 17 17 W  
 Ponta Delgada 32 49 N 17 00 W  
 Canical 32 44 N 16 44 W

Porto Santo Island  
 Porto Santo 33 03 N 16 20 W  
 P G C R A

CANARY ISLANDS (Spain)

Lanzarote  
 Port Naos 28 58 N 13 32 W  
 Arrecife 28 57 N 13 33 W  
 G C R B A

Fuerteventura  
 Gran Tarajal 28 12 N 14 01 W  
 Salinas 28 24 N 13 51 W  
 Cabras 28 28 N 13 50 W  
 Puerto del Rosario 28 30 N 13 51 W  
 G C R A

Grand Canary  
 Las Palmas (Puerto de la Luz)  
 28 09 N 15 25 W  
 P Q Y G C R B D T A

La Salineta 27 58 N 15 22 W  
 P Y G B A

Arguineguin 27 45 N 15 40 W  
 Y A

Tenerife  
 Santa Cruz de Tenerife 28 28 N 16 15 W  
 P Q Y G C R B D T A

La Hondura 28 27 N 16 16 W  
 Los Cristianos 28 03 N 16 43 W  
 G C R A

Gomera

76B

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76C

76D

p.34/35

77A

San Sebastian 28 05 N 17 07 W  
 G C R

Palma  
 Santa Cruz de la Palma 28 41 N 17 46 W  
 P Q G C R B A

Hierro  
 La Estaca 27 47 N 17 54 W  
 G C R A

**WESTERN SAHARA (Disputed)**

Laayoune (Aaiun) 27 05 N 13 26 W  
 Y T A

Dakhla (Villa Cisneros) 23 42 N 15 55 W  
 G B T A

**MAURITANIA**

La Gouera 20 49 N 17 05 W  
 Cap Blanc 20 46 N 17 03 W  
 Point Central 20 49 N 17 02 W  
 Pointe des Mouettes 20 50 N 17 02 W  
 Nouadhibou 20 54 N 17 03 W  
 P Q Y G C R B T A

Nouakchott 18 02 N 16 02 W  
 P Y G C D T A

Port de L'Amitie 18 00 N 16 02 W

**CAPE VERDE**

Santo Antao Island  
 Ponta do Sol 17 12 N 25 06 W  
 Porto Novo 17 01 N 25 04 W  
 G

St. Vincent Island  
 Porto Grande Bay  
 Mindelo 16 54 N 25 00 W  
 P Y G C R B D T A

St. Nicholas Island  
 Porto da Preguica 16 34 N 24 17 W  
 Sal Island  
 P G R A

Pedra de Lume 16 45 N 22 54 W  
 Santa Maria 16 35 N 22 55 W  
 Palmeira 16 45 N 23 00 W

Boa Vista Island  
 Porto de Sal-Rei 16 10 N 22 57 W  
 Maio Island  
 Porto Inglez 15 08 N 23 13 W

Santiago Island  
 Praia 14 54 N 23 31 W  
 Q Y G C R T A

Tarrafal 15 17 N 23 45 W

Fogo Island  
 San Filipe 14 53 N 24 31 W  
 Vale de Cavaleiros 14 55 N 24 31 W

Brava Island  
 Porto da Faja 14 52 N 24 45 W

SENEGAL

St. Louis 16 02 N 16 30 W  
 Cap Vert 14 43 N 17 30 W  
 Dakar 14 41 N 17 25 W  
 P Q Y G C R B D T A

Mbao Terminal 14 42 N 17 21 W  
 Rufisque 14 43 N 17 17 W  
 Mbour 14 25 N 16 58 W  
 Djifere 13 56 N 16 46 W

River Saloum  
 Foundiougne 14 08 N 16 28 W  
 River Sine

Niamioro 14 10 N 16 28 W  
 Nonane 14 19 N 16 27 W  
 Fatick 14 20 N 16 24 W

Lyndiane 14 10 N 16 10 W  
 Kaolack 14 08 N 16 05 W  
 P Y G B A

Sangomar Point 13 50 N 16 46 W

78A

78B

78C

78D

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P Petroleum Q Other Liquid Bulk Y Dry Bulk G General Cargo  
 C Containers R Ro-Ro B Bunkers D Dry Dock T Towage  
 A Airport (within 100km)

# GEOGRAPHIC INDEX

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River Bandiala  
 Toubakouta 13 48 N 16 29 W

79A

**THE GAMBIA**

River Gambia  
 Kau-ur 13 42 N 15 19 W  
 Kuntaur 13 39 N 14 52 W  
 MacCarthy's Island 13 34 N 14 50 W  
 Banjul 13 27 N 16 34 W

P Q G C R B T A

**SENEGAL**

River Casamance  
 Carabane 12 33 N 16 42 W  
 Ziguinchor 12 35 N 16 16 W

P G A

**GUINEA-BISSAU**

River Cacheu  
 Cacheu 12 17 N 16 10 W  
 Barro 12 21 N 15 36 W  
 Bigene 12 25 N 15 32 W  
 Ponta de Pau 12 24 N 15 23 W  
 Canjaja 12 23 N 15 21 W  
 Tancrual 12 23 N 15 20 W  
 Bintá 12 25 N 15 19 W  
 Porto Ribeiro 12 26 N 15 19 W  
 Farim 12 29 N 15 13 W

79B

River Geba  
 Caio Island 11 50 N 16 19 W  
 Bissau 11 51 N 15 35 W

P Y G C B A

Bijagos Islands  
 Bolama 11 35 N 15 28 W  
 Bubaque 11 10 N 15 55 W  
 Buba 11 36 N 14 55 W

River Cacine  
 Cacine 11 06 N 15 06 W

**GUINEA**

Rio Nunez (Fleuve Tinguilinta)  
 Kamsar 10 39 N 14 37 W

79C

P Y G T A

Victoria 10 49 N 14 34 W  
 Boke 10 56 N 14 20 W  
 Conakry 9 30 N 13 43 W

P Y G C R B T A

Loos Islands  
 Kassa Island 9 28 N 13 44 W  
 Tamara Island  
 Tamara Port 9 27 N 13 50 W

Forecariah 9 23 N 13 08 W  
 Benty 9 10 N 13 13 W

**SIERRA LEONE**

Sierra Leone River  
 Pepel 8 34 N 13 03 W  
 Freetown 8 30 N 13 13 W

P Q Y G C R B T A

Kissy 8 29 N 13 11 W  
 Cape Sierra Leone 8 30 N 13 18 W  
 Sherbro River 7 42 N 12 43 W

Y

Bonthe 7 32 N 12 30 W

79D

**LIBERIA**

Cape Mount 6 44 N 11 23 W  
 Robertsport 6 40 N 11 25 W  
 Monrovia 6 20 N 10 49 W

P Y G C R B D T A

Marshall 6 08 N 10 22 W  
 Junk River 6 06 N 10 22 W  
 Grand Bassa 5 52 N 10 04 W  
 Buchanan 5 51 N 10 04 W

P Y G C A

Cestos Bay  
 River Cess 5 27 N 9 35 W  
 Baffu Bay 5 10 N 9 19 W

Sinu Bay  
 Greenville 4 59 N 9 03 W

80A

P G B T A

Cape Palmas 4 22 N 7 43 W

P Q G B T A

Harper 4 21 N 7 35 W

**IVORY COAST**

Tabou 4 25 N 7 20 W  
 Boubele 4 29 N 7 14 W  
 Grand Berebi 4 39 N 6 53 W  
 San Pedro 4 44 N 6 37 W

Q Y G C R T A

Grand Drowin 4 55 N 6 08 W  
 Sassandra 4 55 N 6 07 W  
 Fresco 5 04 N 5 33 W

Grand Lahou 5 08 N 5 01 W  
 Espoir Terminal 5 03 N 4 27 W  
 Vridi 5 14 N 4 00 W

Abidjan 5 18 N 4 00 W

P Q Y G C R B D T A

Port Bouet 5 14 N 3 57 W  
 Grand Bassam 5 11 N 3 44 W  
 Assinie 5 08 N 3 17 W

80B

**GHANA**

Half Assinie 5 03 N 2 53 W  
 Axim 4 52 N 2 15 W  
 Takoradi 4 53 N 1 44 W

P Y G C R B T

Sekondi 4 56 N 1 42 W  
 Cape Coast 5 06 N 1 14 W  
 Winneba 5 20 N 0 38 W  
 Accra 5 32 N 0 12 W  
 Tema 5 37 N 0 01 E

P Y G C R B D T A

Ada 5 46 N 0 38 E  
 Keta 5 54 N 1 00 E

80C

**TOGO**

Lome 6 08 N 1 17 E

P Y G C R B T A

Kpeme 6 12 N 1 31 E

Y A

Anecho (Little Popo) 6 14 N 1 36 E

**BENIN**

Grand Popo 6 17 N 1 50 E  
 Ouidah 6 19 N 2 06 E  
 Cotonou 6 21 N 2 27 E

P Q Y G C R B T A

Seme Terminal 6 15 N 2 40 E  
 Porto Novo 6 27 N 2 38 E

**NIGERIA**

Badagri 6 25 N 2 53 E  
 Lagos 6 26 N 3 24 E

80D

P Q Y G C R B D T A

Apapa 6 26 N 3 23 E  
 Tin Can Island 6 26 N 3 21 E  
 Benin River

Koko 6 00 N 5 27 E

Q G B A

Sapele 5 54 N 5 41 E

Y G C R B A

Abo Terminal 5 42 N 4 28 E

P

Ukpokiti Terminal 5 44 N 4 50 E  
 Escravos Terminal 5 30 N 5 00 E

P B T

Escravos River 5 35 N 5 10 E  
 Forcados Terminal 5 10 N 5 11 E

P

Forcados River  
 Forcados 5 22 N 5 26 E  
 Burutu 5 21 N 5 30 E

81A

G

Warri River  
 Bennett Island 5 32 N 5 37 E  
 Warri 5 31 N 5 44 E

P Q Y G C R B T

River Niger  
 Onitsha 6 10 N 6 47 E  
 Lokoja 7 49 N 6 44 E  
 Baro 8 37 N 6 19 E  
 River Benue  
 Yola 9 14 N 12 32 E  
 Garoua (Cameroon) 9 17 N 13 22 E

Sea Eagle Terminal 4 48 N 5 19 E

P

Pennington Terminal 4 14 N 5 36 E

P

Akassa 4 19 N 6 04 E  
 Brass Terminal 4 04 N 6 17 E

P

Brass River  
 Brass 4 19 N 6 14 E

New Calabar River  
 Bakana 4 45 N 6 58 E  
 Abonnema 4 47 N 6 46 E  
 Degema 4 49 N 6 45 E

Bonny Terminal 4 11 N 7 14 E

Bonny River  
 Bonny 4 26 N 7 09 E

P B A

Onne 4 43 N 7 00 E

Y G C R

Dawes Island 4 40 N 7 05 E  
 Okrika 4 43 N 7 05 E

P B A

Port Harcourt 4 46 N 7 00 E

P Q Y G C R B T A

81B

Okono Terminal 3 59 N 7 17 E  
 Ima Terminal 4 13 N 7 24 E

P

Opobo 4 35 N 7 32 E  
 Odudu Terminal 4 00 N 7 45 E

P T

Yoho Terminal 4 01 N 7 28 E  
 Qua Iboe (Kwa Ibo) Terminal 4 14 N 8 03 E

P

Antan Terminal 4 13 N 8 20 E

P A

Calabar River  
 Calabar 4 58 N 8 19 E

Y G C B T A

New Calabar 5 01 N 8 19 E

81C

**CAMEROON**

Kole Terminal 4 13 N 8 34 E

P

Moudi Terminal 4 08 N 8 27 E

P A

Rio del Rey 4 42 N 8 36 E  
 Limboh Terminal 4 00 N 9 08 E

P

Ambas Bay  
 Limbe (Victoria) 4 00 N 9 12 E

Q G

Bimbria River  
 Tiko 4 04 N 9 24 E

River Wouri  
 Douala 4 03 N 9 42 E

P Y G C R B D T A

81D



P Petroleum Q Other Liquid Bulk Y Dry Bulk G General Cargo  
 C Containers R Ro-Ro B Bunkers D Dry Dock T Towage  
 A Airport (within 100km)

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## MOZAMBIQUE

Ponta Dabela 26 31 S 32 55 E  
 Maputo 25 59 S 32 36 E  
 P Q Y G C R B D T A  
 Matola 25 57 S 32 29 E  
 Cape Correntes 24 06 S 35 30 E  
 Inhambane 23 52 S 35 23 E  
 Bartolomeu Dias 21 10 S 35 07 E  
 Beira 19 50 S 34 50 E  
 P Q Y G C R B D T A  
 Chinde 18 35 S 36 28 E  
 Quelimane 17 53 S 36 53 E  
 G C A

Macuze River  
 Porto Belo 17 46 S 37 12 E  
 Pebane 17 18 S 38 08 E  
 Moma 16 46 S 39 15 E  
 Angoche 16 14 S 39 55 E  
 Mozambique Island 15 03 S 40 47 E  
 Lumbo 14 59 S 40 39 E  
 Nacala 14 32 S 40 40 E  
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Belmore 14 23 S 40 42 E  
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 G C B A  
 Ibo 12 20 S 40 37 E  
 Mocimboa da Praia 11 20 S 40 25 E  
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## COMOROS

Grand Comore Island  
 Moroni 11 42 S 43 15 E  
 P Y G C A

Anjouan Island  
 Mutsamudu 12 10 S 44 24 E  
 P G R T A

Moheli Island  
 Fombouni 12 17 S 43 44 E

## MAYOTTE (France)

Mayotte Island  
 Dzaoudzi 12 47 S 45 15 E  
 P G A  
 Longoni 12 43 S 45 09 E  
 P Y G C B T A

## MADAGASCAR

Cape Amber 11 57 S 49 16 E  
 Port St. Louis 13 05 S 48 50 E  
 Y G T

Ankify 13 32 S 48 20 E  
 Nosy Be  
 G T A

Hellville 13 24 S 48 17 E  
 Analalava 14 37 S 47 46 E  
 Narendry Bay 14 40 S 47 28 E  
 Mahajanga 15 43 S 46 19 E  
 P Q G A

Amboanio 15 50 S 46 21 E  
 Boanamaray 15 50 S 46 19 E  
 Juan de Nova Island (France)  
 17 03 S 42 43 E  
 Maintirano 18 04 S 44 01 E  
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 Morondava 20 17 S 44 16 E  
 Morombe 21 46 S 43 20 E  
 Toliary (Toliara) 23 22 S 43 40 E  
 G B

St. Augustin Bay 23 28 S 43 40 E  
 Tolagnaro 25 02 S 47 00 E

G A

Farafangana 22 50 S 47 50 E  
 Manakara 22 08 S 48 01 E  
 Mananjary 21 14 S 48 21 E  
 Mahanoro 19 54 S 48 49 E

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Vatomandry 19 20 S 48 59 E  
 Andevoranto 18 56 S 49 09 E  
 Toamasina 18 09 S 49 25 E  
 P Y G C R B T A  
 Foulpointe 17 40 S 49 31 E  
 Fenerive 17 23 S 49 25 E  
 Ste. Marie Island 17 00 S 49 55 E  
 Maroantsetra 15 26 S 49 44 E  
 Antalaha 14 54 S 50 17 E  
 Sambava 14 16 S 50 12 E  
 Vohemar 13 21 S 50 00 E  
 Antsiranana 12 16 S 49 18 E  
 P G C T A

## REUNION (France)

P Q Y G C R B T A  
 Pointe des Galets 20 55 S 55 17 E  
 La Possession 20 55 S 55 20 E  
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## MAURITIUS

Port Louis 20 09 S 57 29 E  
 P Q Y G C B D T A  
 Rodrigues Island 19 41 S 63 25 E

## SEYCHELLES

Mahe Island  
 Port Victoria 4 37 S 55 27 E  
 P Y G C B T A  
 Providence Island 9 14 S 51 02 E  
 St. Pierre Island 9 19 S 50 43 E  
 Astove Island 10 02 S 47 44 E  
 Assumption Island 9 44 S 46 30 E

## TANZANIA

Mtwara 10 15 S 40 12 E  
 P G C R A  
 Mikindani 10 16 S 40 08 E  
 Lindi 10 00 S 39 44 E  
 Kiswero 9 25 S 39 34 E  
 Kilwa Kisiwani 8 57 S 39 32 E  
 Kilwa Masoko 8 56 S 39 31 E  
 Kilwa Kivinje 8 45 S 39 25 E  
 Rufiji River 7 54 S 39 25 E  
 Mafia Island 7 58 S 39 45 E  
 Dar es Salaam 6 49 S 39 19 E  
 P Q G C R B D T A

Zanzibar Island  
 Zanzibar 6 10 S 39 11 E  
 P G A

Pangani 5 27 S 39 00 E  
 Tanga 5 04 S 39 06 E  
 P Q Y G C R T A

Pemba Island  
 Chake Chake 5 15 S 39 46 E  
 Weshu 5 14 S 39 43 E  
 Wete 5 03 S 39 41 E

## KENYA

Mombasa 4 04 S 39 41 E  
 P Q Y G C R B D T A  
 Kilifi 3 39 S 39 52 E  
 Malindi 3 13 S 40 07 E  
 Lamu 2 18 S 40 55 E  
 G A

## SOMALIA

Kismayu (Kismaayo) 0 23 S 42 33 E  
 G C T A  
 Brava (Baraawe) 1 06 N 44 03 E  
 Merca 1 43 N 44 46 E  
 G A  
 Jasiira 1 57 N 45 10 E

85B

85C

85D

86A

Mogadiscio (Muqdisho) 2 01 N 45 21 E  
 P G C B T A  
 El Maan 2 17 N 45 34 E  
 Obbia 5 21 N 48 32 E  
 Hafun (Dante) 10 25 N 51 16 E  
 Handa 10 39 N 51 09 E  
 Ras Asir (Cape Guardafui) 11 50 N 51 17 E  
 Alula 11 58 N 50 46 E  
 Candala 11 28 N 49 52 E  
 Bosaso (Boosaaso) 11 17 N 49 11 E  
 Berbera 10 27 N 45 01 E  
 P G C R T A

## DJIBOUTI

Djibouti 11 36 N 43 09 E  
 P Y G C R B T A

## RED SEA

## ERITREA

Assab (Aseb) 13 00 N 42 45 E  
 P Y G C R B T A  
 Thio 14 42 N 40 58 E  
 Zula 15 15 N 39 43 E  
 Massawa (Mits'iwa) 15 37 N 39 29 E  
 P Y G C R B T A  
 Marsa Tek'lay 17 33 N 38 51 E

## SUDAN

Trinkitat 18 41 N 37 45 E  
 Suakin (Swakin) 19 07 N 37 20 E  
 Q G C R T A  
 Bashayer Terminal 19 24 N 37 20 E  
 P  
 Towartit Anchorage 19 30 N 37 20 E  
 Port Sudan 19 37 N 37 14 E  
 P Q Y G C R B T A  
 Sanganeb Anchorage 19 45 N 37 26 E  
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## EGYPT

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 Ras Banas 23 55 N 35 47 E  
 Abu Ghosoun 24 29 N 35 15 E  
 Kosseir (El Quseir) 26 06 N 34 17 E  
 Hamrawein 26 15 N 34 12 E  
 Y

Safaga 26 44 N 33 56 E

Y G R B T A

Hurghada 27 15 N 33 49 E

P G A

Marsa Gemsa 27 39 N 33 36 E

Geisum Terminal 27 38 N 33 43 E

P

East Zeit Terminal 27 49 N 33 39 E

Zeit Bay Terminal 27 50 N 33 36 E

P Q A

Ras Shukheir Terminal 28 08 N 33 17 E

P T A

Ras Gharib 28 21 N 33 07 E

P

Ain Sukhna Terminal 29 35 N 32 20 E

P T

Sokhna 29 41 N 32 22 E

Y G C R

Sadat 29 48 N 32 27 E

Adabiya 29 52 N 32 28 E

P Y G C B T A  
 Suez Canal (see Col. 74A)  
 Ras Misalla 29 49 N 32 37 E

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87D

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EGYPT *continued*

Ras Sudr Terminal 29 35 N 32 41 E

P

Ras Malab 29 12 N 32 55 E

Zaafarana Terminal 29 11 N 32 42 E

P

Abu Zenima 29 02 N 33 07 E

Y

Ras Budran Terminal 28 56 N 33 08 E

P T A

Abu Rudeis 28 54 N 33 10 E

Wadi Feiran Terminal 28 45 N 33 12 E

P

Tor 28 14 N 33 37 E

Sharm el Sheikh 27 51 N 34 17 E

R A

Nuweiba 28 58 N 34 38 E

R T A

## ISRAEL

Eilat 29 33 N 34 57 E

P Y G C R B T A

## JORDAN

Aqaba 29 31 N 35 01 E

P Q Y G C R B T A

Wadi 29 22 N 34 58 E

## SAUDI ARABIA

Haql 29 18 N 34 57 E

Sharmah 27 56 N 35 16 E

Dhuba 27 34 N 35 33 E

P Y G C R T

Al Wajh 26 13 N 36 27 E

Ras Baridi 24 16 N 37 31 E

Yanbu (Yenbo) 24 06 N 38 03 E

Y G C R B T A

King Fahd Port 23 57 N 38 13 E

P Q Y G C R B T A

Rabigh 22 45 N 38 59 E

P Q B T

Qadimah 22 21 N 39 05 E

Jeddah 21 28 N 39 10 E

P Q Y G C R B D T A

Makram 20 25 N 39 40 E

Gizan 16 54 N 42 32 E

P Y G C R B T A

## YEMEN

Luhaiya (Al Luhayyah) 15 42 N 42 41 E

Kamaran Island

Kamaran 15 20 N 42 37 E

Saleef 15 18 N 42 40 E

Y

Ras Isa Terminal 15 07 N 42 36 E

P T A

Ras al Katheeb (Ras al Katib)

14 55 N 42 53 E

Ahmadi 14 50 N 42 56 E

Hodeidah (Al Hudaydah) 14 47 N 42 57 E

P Y G C R B T A

Mokha (Al Mukha) 13 19 N 43 14 E

P Q G C A

Dhubab (Doubabe) 12 56 N 43 24 E

Perim (Mayyun) Island 12 39 N 43 25 E

Aden 12 48 N 44 58 E

P Q Y G C R B D T A

88A

Mukalla 14 32 N 49 08 E

P G C B A

Ash Shihr Terminal 14 42 N 49 32 E

P T

Nishtun 15 49 N 52 14 E

G A

Socotra (Suqutra) Island 12 50 N 54 00 E

## OMAN

Salalah (Mina Raysut) 16 56 N 54 00 E

P Q Y G C R B T A

Duqm 19 41 N 57 44 E

Masirah Island

Kas Hilf 20 41 N 58 52 E

Ras al Hadd 22 30 N 59 48 E

Sur 22 39 N 59 26 E

P T

Qalhat Terminal 22 40 N 59 25 E

P Q T

Matrah 23 37 N 58 33 E

Port Sultan Qaboos (Mina Qaboos)

23 38 N 58 34 E

Q Y G C R B T A

Mina al Fahal 23 39 N 58 32 E

P B A

Sohar 24 30 N 56 38 E

Q Y G C T

Shinas 24 43 N 56 28 E

## UNITED ARAB EMIRATES

Fujairah 25 10 N 56 22 E

P Y G C B T A

Vopak Terminal 25 12 N 56 22 E

Kalba 25 02 N 56 21 E

Khor Fakkan 25 21 N 56 22 E

G C B T A

## OMAN

Diba 25 37 N 56 18 E

The Quoins 26 30 N 56 30 E

Khasab 26 13 N 56 15 E

## UNITED ARAB EMIRATES

Mina Saqr 25 59 N 56 03 E

Y G C R B T A

Hulaylah Terminal 25 59 N 55 56 E

Ras al Khaimah 25 47 N 55 56 E

Mubarek Terminal 25 50 N 55 12 E

P A

Umm al Qaiwain 25 35 N 55 35 E

Q Y G C R B A

Hamriyah 25 28 N 55 29 E

P Q Y T A

Hamriyah Terminal 25 34 N 55 24 E

Ajman 25 25 N 55 26 E

Y G C R B D T A

Sharjah (Mina Khalid) 25 22 N 55 23 E

P Q Y G C R B T A

Dubai (Mina Rashid) 25 16 N 55 16 E

P G C R B D T A

Fateh Terminal 25 33 N 54 25 E

P A

Jebel Ali 25 02 N 55 08 E

P Q Y G C R B T A

Sadiyat Island 24 32 N 54 24 E

Umm al Nar 24 26 N 54 30 E

Abu Dhabi (Mina Zayed) 24 29 N 54 22 E

P Q Y G C R B T A

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88C

88D

89A

Al Mosaffah 24 23 N 54 29 E

Ras Zubbayah 24 20 N 54 09 E

Mubarras Terminal 24 26 N 53 32 E

P A

Zirku (Az Zarqa) Island 24 53 N 53 04 E

P G T

Zirku 25 01 N 52 59 E

Das Island 25 09 N 52 52 E

P Q A

Abu al Bukhoosh Terminal 25 29 N 53 08 E

P T

Ruwais (Ar Ruays) 24 09 N 52 43 E

P Q G

Jebel Dhanna (Jabal az Zannah) Terminal

24 13 N 52 40 E

P

Arzanah Island 24 47 N 52 34 E

89B

## QATAR

Mesaieed (Umm Said) 24 55 N 51 35 E

P Q Y G C D T A

Wakrah 25 10 N 51 38 E

Doha (Ad Dawhah) 25 17 N 51 32 E

G C T A

Halul Island Terminal 25 40 N 52 25 E

P

Ras Laffan 25 56 N 51 32 E

P Q Y G R B T A

Al Shaheen Terminal 26 35 N 51 58 E

P

Al Rayyan Terminal 26 39 N 51 33 E

## BAHRAIN

Sitra Island

Sitra 26 10 N 50 40 E

P Q B T A

Bahrain Island

Mina Sulman 26 14 N 50 35 E

G C R B D T A

## SAUDI ARABIA

Quarrayah 26 02 N 50 08 E

Al Khobar 26 17 N 50 13 E

Dammam (King Abdul Aziz Port)

26 30 N 50 12 E

Q Y G C R B D T A

Ras Tanura 26 38 N 50 10 E

P Q B T A

Juaymah Terminal 26 55 N 50 01 E

P Q B T A

Ras al Ghar 26 53 N 49 52 E

Jubail 27 01 N 49 39 E

Y G C R B T

King Fahd Port 27 01 N 49 40 E

P Q Y G R B T

Ras as Saffaniya 28 00 N 48 48 E

Ras al Mishab 28 06 N 48 37 E

Y G R T

Ras al Khafji 28 25 N 48 35 E

P Q B T

## KUWAIT

Khor al Mufatta 28 39 N 48 23 E

G A

Khor al Ami 28 40 N 48 23 E

90A

90B

90C

90D



**MALDIVES**

Kelaa 6 58 N 73 12 E  
 Male Island  
 Male 4 10 N 73 30 E

**G C T A**

Addu Atoll 0 40 S 73 10 E  
 Gan Island 0 41 S 73 10 E

**BRITISH INDIAN OCEAN TERRITORY  
 (United Kingdom)**

Chagos Archipelago  
 Diego Garcia 7 17 S 72 25 E

**INDIA**

Manappadu 8 22 N 78 01 E  
 Tiruchchendur Point 8 30 N 78 08 E  
 New Tuticorin 8 45 N 78 13 E

**P Y G C B T A**

Tuticorin 8 48 N 78 11 E  
 Valinokkam 9 07 N 78 39 E  
 Kilakkaria 9 14 N 78 47 E  
 Pamban 9 17 N 79 12 E  
 Mandapam 9 16 N 79 09 E  
 Tondi 9 45 N 79 00 E  
 Attirampattinam (Adirampatnam)  
 10 20 N 79 23 E  
 Point Calimere 10 17 N 79 53 E

**SRI LANKA**

Point Pedro 9 50 N 80 15 E  
 Point Palmyra 9 50 N 80 17 E  
 Mullaittivu 9 16 N 80 49 E  
 Kokkilai 8 59 N 80 57 E  
 Pulmoddai 8 56 N 80 59 E  
 Trincomalee 8 34 N 81 13 E

**P Y G B**

Batticaloa 7 45 N 81 41 E  
 Okanda 6 39 N 81 46 E  
 Pottuvil 6 53 N 81 49 E  
 Hambantota 6 07 N 81 08 E  
 Matara 5 57 N 80 32 E  
 Galle 6 01 N 80 13 E

**Y G B**

Kalutara 6 35 N 79 59 E  
 Panadura 6 43 N 79 55 E  
 Colombo 6 54 N 79 52 E

**P Q Y G C B D T A**

Kerawalapitiya Terminal 7 01 N 79 50 E  
 Negombo 7 12 N 79 50 E  
 Puttalam 8 02 N 79 50 E  
 Mannar Island  
 Talaimannar 9 05 N 79 43 E  
 Kayts 9 42 N 79 52 E  
 Jaffna 9 40 N 79 59 E  
 Kankasanturai 9 49 N 80 03 E

**INDIA**

Nagapattinam 10 46 N 79 51 E

**G**

Nagore 10 49 N 79 51 E  
 Karikal 10 55 N 79 51 E  
 Tirukkadaiyur 11 05 N 79 50 E  
 Tirumullaivasal 11 15 N 79 50 E  
 Porto Novo 11 29 N 79 45 E  
 Cuddalore 11 42 N 79 46 E

**Y G**

Pondicherry 11 56 N 79 50 E

**Y G**

Marakkanam 12 15 N 79 59 E  
 Chennai (Madras) 13 05 N 80 17 E

**P Q Y G C R B T A**

Ennore 13 14 N 80 20 E

**Y T A**

Pulicat 13 25 N 80 19 E  
 Krishnapatnam 14 18 N 80 05 E  
 Muttukuru 14 21 N 80 09 E  
 Nizimpatnam 15 56 N 80 44 E

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Machilipatnam (Masulipatam)  
 16 10 N 81 12 E

**G T A**

Narasapur Point 16 18 N 81 43 E  
 Narasapur 16 27 N 81 45 E  
 Kakinada 17 00 N 82 17 E

**P Y G C B A**

Visakhapatnam 17 42 N 83 18 E

**P Q Y G C B D T A**

Bheemunipatnam 17 54 N 83 27 E  
 Kalingapatnam (Calingapatnam)  
 18 20 N 84 08 E

**G**

Baruva 18 53 N 84 36 E  
 Gopalpur 19 15 N 84 54 E  
 Puri 19 48 N 85 50 E

Mahanadi River  
 Paradip 20 16 N 86 41 E

**P Y G C B T**

94B

False Point 20 20 N 86 44 E  
 Palmyras Point 20 46 N 86 59 E  
 Dhamra 20 47 N 86 54 E  
 Digha 21 40 N 87 39 E  
 River Hooghly  
 Sandheads 20 54 N 88 14 E  
 Haldia 22 02 N 88 05 E

**P Q Y G C B T**

Kulpi 22 06 N 88 13 E  
 Ulubaria 22 28 N 88 07 E  
 Kolkata (Calcutta) 22 35 N 88 21 E

**P Y G C B D T A**

Haora 22 36 N 88 18 E  
 Garden Reach 22 33 N 88 18 E  
 Budge Budge 22 29 N 88 11 E  
 Achipur 22 28 N 88 08 E  
 Hooghly Point 22 13 N 88 04 E  
 Diamond Harbour 22 11 N 88 11 E  
 Kulpi 22 05 N 88 14 E  
 Mud Point 21 55 N 88 07 E  
 Saugor Island 21 39 N 88 03 E  
 Port Canning 22 15 N 88 38 E

94C

**BANGLADESH**

Pussur River  
 Mongla 22 27 N 89 35 E

**Q Y G C B T**

Chalna 22 36 N 89 31 E  
 Khulna 22 48 N 89 35 E

Lakhya River  
 Narayanganj 23 36 N 90 28 E  
 Fouzderhat Beach 22 23 N 91 45 E  
 Patenga Point 22 14 N 91 48 E  
 Chittagong 22 20 N 91 50 E

**P Q Y G C R B D T A**

Kutubdia Island 21 52 N 91 51 E  
 Cox's Bazar 21 26 N 91 58 E  
 Elephant Point 21 11 N 92 03 E

**MYANMAR**

Maungdaw 20 49 N 92 22 E  
 River Kaladan  
 Sittwe (Akyab) 20 08 N 92 55 E

**G**

Kyaukpyu 19 28 N 93 29 E  
 Cheduba Island 18 55 N 93 37 E  
 Sandoway 18 28 N 94 21 E  
 Diamond Island 15 22 N 94 17 E

Ayeyarwady River  
 Patheingyi River  
 Patheingyi 16 46 N 94 43 E

**G**

Yangon River  
 Elephant Point 16 28 N 96 20 E  
 Yangon 16 46 N 96 10 E

**P Y G C B D T**

Thilawa 16 40 N 96 15 E

**C**

Thatun 16 56 N 97 21 E

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Mawlamyine 16 30 N 97 38 E  
 Amherst 16 06 N 97 33 E  
 Heinze Creek 14 43 N 97 55 E  
 Dawei River  
 Dawei 14 04 N 98 11 E  
 Yetagun Terminal 13 04 N 96 51 E  
 Mergui 12 26 N 98 36 E  
 Tanintharyi River  
 Tanintharyi 12 17 N 98 50 E  
 Karathuri 10 53 N 98 35 E  
 Victoria Point 9 58 N 98 33 E  
 Coco Islands 14 11 N 93 23 E

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**ANDAMAN and NICOBAR ISLANDS  
 (India)**

Andaman Islands  
 North Andaman Island  
 Stewart Sound  
 Mayabunder 12 56 N 92 54 E  
 Middle Andaman Island  
 Elphinstone Harbour 12 19 N 92 54 E  
 South Andaman Island  
 Port Meadows 12 01 N 92 47 E  
 Port Blair 11 40 N 92 43 E

**P Y G C R B D A**

Little Andaman Island  
 Tameibui 10 32 N 92 30 E  
 Toibalewe 10 26 N 93 34 E

Nicobar Islands  
 Car Nicobar 9 10 N 92 45 E  
 Nancowry Harbour 8 01 N 93 31 E  
 Little Nicobar Island  
 Patua 7 17 N 93 40 E  
 Great Nicobar Island  
 Kanalla 6 52 N 93 43 E

96B

**THAILAND**

Ranong 9 57 N 98 37 E  
 Takua Pa 9 16 N 98 19 E  
 Phuket 7 50 N 98 25 E

**P Y G C B T A**

Krabi 8 04 N 98 52 E  
 Kantang 7 24 N 99 31 E

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**MALAYSIA**

**PENINSULAR MALAYSIA**

Pulau Langkawi  
**P Y G A**

Teluk Ewa 6 26 N 99 45 E  
 Kuala Perlis 6 24 N 100 07 E  
 Kedah River  
 Alor Setar 6 07 N 100 23 E  
 Tanjung Dawai 5 41 N 100 22 E  
 Penang (Pinang)

**P Q Y G C B T A**

Georgetown 5 25 N 100 20 E  
 Butterworth 5 24 N 100 22 E  
 Perai 5 23 N 100 22 E  
 Port Weld 4 50 N 100 38 E  
 Lumut 4 16 N 100 39 E

**Q Y G C R B A**

Pulau Pangkhor 4 13 N 100 35 E  
 Sitiawan 4 11 N 100 42 E  
 Sembilan Islands 4 03 N 100 33 E  
 Teluk Intan (Telok Anson) 4 01 N 101 01 E  
 Bagan Datoh 4 00 N 100 45 E  
 Kuala Selangor 3 21 N 101 15 E  
 Port Klang 3 00 N 101 24 E

**P Q Y G C R B D T A**

Port Dickson 2 31 N 101 47 E

**P Q G B T A**

Sungai Udang 2 15 N 102 08 E

**P Q T A**

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**P G A**

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P Petroleum Q Other Liquid Bulk Y Dry Bulk G General Cargo  
 C Containers R Ro-Ro B Bunkers D Dry Dock T Towage  
 A Airport (within 100km)

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 Pasir Gudang 1 26 N 103 54 E

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Tanjung Langsat 1 28 N 104 01 E

P Q A

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Malong Terminal 4 38 N 104 49 E  
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P Petroleum Q Other Liquid Bulk Y Dry Bulk G General Cargo  
C Containers R Ro-Ro B Bunkers D Dry Dock T Towage  
A Airport (within 100km)

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[P G R B] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]  
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 Port Nonoc 9 49 N 125 37 E  
 Siargao Island  
 Dapa 9 45 N 126 03 E  
 Mindanao Island  
 Placer 9 39 N 125 36 E  
 Surigao 9 47 N 125 30 E  
 Y G R B  
 Lipata 9 48 N 125 26 E  
 Cabadbaran 9 07 N 125 32 E  
 Masao 9 01 N 125 33 E  
 Butuan 8 57 N 125 33 E  
 Nasipit 8 59 N 125 20 E  
 Anakan 8 51 N 125 09 E  
 Gingoog 8 50 N 125 06 E  
 Lunao 8 51 N 125 03 E  
 Medina 8 55 N 125 02 E  
 Macajalar Bay  
 Jasaan 8 38 N 124 46 E  
 Villanueva 8 35 N 124 45 E  
 Y B T A  
 Tagoloan 8 32 N 124 45 E  
 Bugo 8 31 N 124 45 E  
 Tablon 8 30 N 124 39 E  
 Balingasag 8 43 N 124 45 E  
 Cagayan de Oro 8 29 N 124 39 E  
 P Y G C R B A  
 Lugait 8 20 N 124 15 E  
 Quinalang Cove 8 17 N 124 16 E  
 Kiwalan 8 16 N 124 16 E  
 Iligan 8 14 N 124 14 E  
 Q Y G C R B A  
 Kolambugan 8 07 N 123 53 E  
 Ozamis (Misamis) 8 09 N 123 51 E  
 P Y G R B A  
 Jimenez 8 20 N 123 51 E  
 Oroquieta 8 29 N 123 48 E  
 Plaridel 8 37 N 123 42 E  
 Dapitan 8 38 N 123 23 E  
 Dipolog 8 35 N 123 20 E  
 Roxas 8 31 N 123 15 E  
 Port Santa Maria 7 46 N 122 06 E  
 Panabutan 7 35 N 122 07 E  
 Caldera Bay 6 57 N 121 58 E  
 Zamboanga 6 54 N 122 04 E  
 P Y G C B A  
 Vitali Point 7 23 N 122 23 E  
 Kabasalan 7 48 N 122 46 E  
 Olutanga Island  
 Suba Nipa 7 18 N 122 51 E  
 Malangas 7 38 N 123 02 E  
 Margosatubig 7 35 N 123 01 E  
 Pagadian 7 49 N 123 26 E  
 Polloc 7 21 N 124 13 E  
 G C R A  
 Cotabato 7 14 N 124 15 E  
 Linek 7 10 N 124 08 E  
 Lebak 6 33 N 124 02 E  
 Milbuk 6 09 N 124 16 E  
 Sarangani Bay  
 Makar 6 05 N 125 10 E  
 General Santos (Dadiangas)  
 6 06 N 125 10 E  
 P G C R B A  
 Malalag Bay 6 37 N 125 24 E  
 Tagabuli Bay 6 48 N 125 24 E  
 Davao 7 04 N 125 37 E  
 P Q Y G C R B D T A  
 Sasa 7 07 N 125 39 E  
 Tibungco (Tibungko) 7 12 N 125 39 E  
 Tambongon (Tambungon)  
 7 15 N 125 40 E  
 Panabo 7 18 N 125 41 E  
 La Paz 7 19 N 125 44 E  
 Maco 7 21 N 125 51 E  
 La Union 6 42 N 126 05 E  
 Mati 6 57 N 126 13 E  
 Caraga 7 21 N 126 34 E  
 Bislig Bay  
 Bislig 8 13 N 126 19 E  
 G B A

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108B

108C

108D







Huangshi 30 13 N 115 05 E  
 Y G C B T  
 Wuhan 30 35 N 114 19 E  
 G C B  
 Hankou 30 35 N 114 17 E  
 Chenglingji 29 26 N 113 08 E  
 Q Y G C B T  
 Xiang Jiang  
 Changsha 28 12 N 112 59 E  
 Pingtang 28 04 N 112 53 E  
 Shashi 30 19 N 112 16 E  
 Zhicheng 30 19 N 111 30 E  
 Y G  
 Yichang 30 42 N 111 18 E  
 Badong 31 03 N 110 24 E  
 Chongqing 29 34 N 106 35 E  
 Y G C R T A  
 Jiulongpo 29 30 N 106 31 E  
 Dafeng 33 12 N 120 25 E  
 Lianyungang 34 44 N 119 27 E  
 Y G C B D T  
 Lanshan 35 05 N 119 21 E  
 Shijiusuo 35 23 N 119 33 E  
 Rizhao 35 29 N 119 29 E  
 P Y G C B T  
 Jiaozhou Bay  
 Qingdao 36 04 N 120 19 E  
 P Y G C B D T A  
 Huangdao 36 03 N 120 13 E  
 Qianwan 35 59 N 120 11 E  
 Shidao 36 53 N 122 28 E  
 Y G C B T  
 Zhangjiabu 37 01 N 122 11 E  
 Rongcheng 37 09 N 122 24 E  
 Weihai 37 30 N 122 09 E  
 Y G C B T  
 Yantai 37 34 N 121 26 E  
 P Y G C B T A  
 Penglail 37 49 N 120 43 E  
 Y G T  
 Laizhou Bay  
 Longkou 37 41 N 120 18 E  
 Y G C B T A  
 Laizhou 37 25 N 119 57 E  
 Y G R B T  
 Huang He River [46]  
 Dongying 37 27 N 118 28 E  
 Huanghua 38 26 N 117 23 E  
 Tanggu 39 00 N 117 39 E  
 Hai He River  
 Xingang 38 59 N 117 45 E  
 P Y G C B D T A  
 Dagou 38 58 N 117 40 E  
 Tianjin 39 06 N 117 10 E  
 Tangshan (Jingtang) 39 13 N 119 01 E  
 Y B T  
 Qinhuangdao 39 54 N 119 36 E  
 P Y G C B D T  
 Shanhaiguan 39 59 N 119 45 E  
 Huludao 40 43 N 120 59 E  
 P Y G B  
 Jinxi 40 46 N 120 47 E  
 Jinzhou 40 45 N 121 06 E  
 P Y G C B T  
 Yingkou 40 41 N 122 14 E  
 P Q Y G C B T  
 Bayuquan 40 17 N 121 58 E  
 Pulandian 39 18 N 121 40 E  
 Lushun 38 48 N 121 15 E  
 Dalian 38 55 N 121 41 E  
 P Y G C R B D T A

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115B

115C

115D

Yalu River  
 Dandong 40 08 N 124 24 E  
 Y G C R B T  
**NORTH KOREA**  
 Tasado 39 48 N 124 25 E  
 Nampo (Chinnampo) 38 44 N 125 25 E  
 Y G B D T A  
 Taedong River  
 Kyomipo 38 45 N 125 38 E  
 Pyongyang 39 00 N 125 45 E  
 Haeju 38 00 N 125 42 E  
 Y G B  
**SOUTH KOREA**  
 Yeonpyung 37 36 N 125 43 E  
 Incheon (Inchon) 37 28 N 126 36 E  
 P Q Y G C R B T A  
 Tangjin Hwaryok 37 00 N 126 34 E  
 Daesan (Taesan) 37 01 N 126 25 E  
 P Q B T  
 Pyeongtaek (Pyongtaek) 37 00 N 126 47 E  
 P Q G R T  
 Taean 36 55 N 126 14 E  
 Gojeong 36 18 N 126 27 E  
 Janghang 36 01 N 126 41 E  
 Y A  
 Gunsan (Kunsan) 36 00 N 126 43 E  
 P Q Y G C R B T A  
 Boryoung 35 20 N 126 28 E  
 Y  
 Mokpo 34 47 N 126 23 E  
 P Y G B T A  
 Jeju (Cheju) Island  
 Jeju (Cheju) 33 31 N 126 33 E  
 P Y G B T A  
 Seogwipo 33 14 N 126 34 E  
 Yosu 34 45 N 127 47 E  
 P Q Y G C B D T A  
 Samil 34 52 N 127 47 E  
 P Q Y G B A  
 Gwangyang (Kwangyang)  
 34 54 N 127 42 E  
 P Q Y G C R T A  
 Hadong 34 57 N 127 49 E  
 Samchonpo 34 55 N 128 04 E  
 Kosong 34 58 N 128 18 E  
 Tongyong (Chungmu) 34 50 N 128 25 E  
 Goeje (Kojje) Island  
 Okpo 34 53 N 128 43 E  
 Jangseungpo 34 51 N 128 51 E  
 Jinhae (Chinhae) 35 08 N 128 39 E  
 Y G B T A  
 Masan 35 11 N 128 36 E  
 P Y G C R B T A  
 Busan (Pusan) 35 06 N 129 04 E  
 P Q Y G C R B D T A  
 Suyong 35 09 N 129 09 E  
 Onsan 35 27 N 129 22 E  
 Ulsan 35 29 N 129 24 E  
 P Q Y G C B D T A  
 Mipo 35 31 N 129 27 E  
 Pohang 36 02 N 129 26 E  
 P Y G R B T A  
 Samchok 37 26 N 129 12 E  
 Y G B T  
 Donghae (Bukpyung) 37 29 N 129 09 E  
 Y G B T  
 Okke 37 30 N 129 05 E

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Mukho 37 33 N 129 07 E  
 Y G B T  
 Daepo 38 10 N 128 37 E  
 Sokcho 38 14 N 128 33 E  
**NORTH KOREA**  
 Wonsan 39 10 N 127 26 E  
 P G B T A  
 Songjon 39 20 N 127 30 E  
 Rempo 39 47 N 127 32 E  
 Sohojin Harbour  
 Hungnam 39 48 N 127 40 E  
 G A  
 Sinpo 40 01 N 128 10 E  
 Songjin (Kimchaek) 40 40 N 129 12 E  
 G  
 Chongjin 41 46 N 129 49 E  
 Y G C B T  
 Najin (Rajin) 42 11 N 130 19 E  
 Unggi 42 20 N 130 25 E  
**JAPAN**  
**HOKKAIDO** p.45  
 Nemuro 43 20 N 145 35 E  
 Abashiri 44 01 N 144 17 E  
 Y G B T A  
 Monbetsu 44 21 N 143 22 E  
 G B T A  
 Esashi (Kitami-Esashi) 44 56 N 142 36 E  
 Wakkanai 45 25 N 141 42 E  
 G B D T A  
 Rumoi 43 57 N 141 38 E  
 P Y G C R B T  
 Mashike 43 52 N 141 31 E  
 Ishikariwan Shinko 43 13 N 141 18 E  
 P Q G C B T A  
 Otaru 43 12 N 141 01 E  
 P Y G C R B T A  
 Yoichi 43 13 N 140 47 E  
 Iwanai 42 59 N 140 31 E  
 Shimamaki 42 41 N 140 03 E  
 Shizuura 41 29 N 140 01 E  
 Fukushima 41 28 N 140 16 E  
 Hakodate 41 47 N 140 43 E  
 P Y G C R B D T A  
 Uchiura Bay  
 Mori 42 07 N 140 35 E  
 Wanishi 42 20 N 141 00 E  
 Muroran 42 21 N 140 57 E  
 P Y G B D T A  
 Tomakomai 42 38 N 141 38 E  
 P Q Y G C B T A  
 Urakawa 42 10 N 142 46 E  
 Samani 42 07 N 142 55 E  
 Erimo 42 01 N 143 09 E  
 Tokachi 42 18 N 143 20 E  
 Y G  
 Kushiro 42 59 N 144 22 E  
 P Y G C R B D T A  
 Akkeshi 43 03 N 144 51 E  
**HONSHU**  
 Shiriya 41 24 N 141 28 E  
 Sekinehama 41 22 N 141 13 E  
 Kawauchi 41 10 N 141 00 E  
 Ominato 41 14 N 141 11 E  
 Noheji 40 52 N 141 07 E  
 Nonai 40 50 N 140 49 E  
 Aomori 40 49 N 140 45 E  
 P Q Y G R B T A

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117B

117C

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JAPAN *continued*

Noshiro 40 13 N 140 00 E  
 Y G  
 Funakawa 39 53 N 139 52 E  
 P Y G B T A  
 Akita 39 45 N 140 04 E  
 P Y G C R B T A  
 Fukura 39 04 N 139 53 E  
 Sakata 38 56 N 139 49 E  
 P Y G C B T A  
 Ebisu 38 05 N 139 26 E  
 Niigata-Higashi 38 00 N 139 14 E  
 Q G C B  
 Niigata 37 57 N 139 04 E  
 P Q Y G C R B D T A  
 Sadoshima  
 Ryotsu 38 05 N 138 27 E  
 Ogi 37 49 N 138 17 E  
 Kashiwazaki 37 22 N 138 33 E  
 Y G B T  
 Naoetsu 37 11 N 138 15 E  
 P Y G C B T  
 Himekawa 37 02 N 137 51 E  
 Y G B  
 Toyama 36 45 N 137 14 E  
 Toyama Shinko (Shinminato)  
 36 48 N 137 05 E  
 Fushiki-Toyama 36 46 N 137 05 E  
 P Y G C R B D T A  
 Fushiki 36 47 N 137 03 E  
 Nanao 37 06 N 137 02 E  
 P Q Y G B T  
 Kuroshima 37 16 N 136 44 E  
 Kanazawa 36 37 N 136 36 E  
 P G C R B T A  
 Mikuni 36 13 N 136 08 E  
 Fukui 36 13 N 136 07 E  
 G B T  
 Tsuruga 35 40 N 136 05 E  
 P Q Y G C R B T A  
 Takahama 35 30 N 135 32 E  
 Uchiura 35 32 N 135 30 E  
 Y G T  
 Maizuru 35 29 N 135 22 E  
 P Y G C B D T A  
 Miyazu 35 35 N 135 13 E  
 Y G B T  
 Tsuiyama 35 38 N 134 49 E  
 Tottori 35 30 N 134 13 E  
 Sakaiminato 35 32 N 133 15 E  
 P G C B T A  
 Shimane 35 33 N 133 03 E  
 Nishinoshima  
 Urago 36 05 N 133 00 E  
 Gotsu 35 00 N 132 13 E  
 Hamada 34 53 N 132 02 E  
 Y G B T  
 Esaki 34 39 N 131 39 E  
 Hagi 34 24 N 131 24 E  
 Senzaki 34 24 N 131 12 E  
 Mutsure 33 58 N 130 52 E  
 Shimonoseki 33 56 N 130 56 E  
 P Y G C R B D T A  
 Onoda 34 00 N 131 11 E  
 P Q Y G  
 Ube 33 56 N 131 12 E  
 P Q Y G C R  
 Ajisu 34 00 N 131 22 E  
 Nakanoseki 34 00 N 131 34 E

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Mitajiri 34 01 N 131 36 E  
 P Y G C A  
 Tonda 34 02 N 131 44 E  
 Tokuyama 34 00 N 131 48 E  
 P Q Y G C R B T  
 Kudamatsu 34 00 N 131 51 E  
 P G B T  
 Kasado 33 57 N 131 47 E  
 Hikari 33 57 N 131 56 E  
 Y G  
 Hirao 33 54 N 132 03 E  
 G R T A  
 Yanai 33 57 N 132 08 E  
 Hiroshima Bay  
 Iwakuni 34 10 N 132 15 E  
 P Y G C R T A  
 Kanokawa 34 10 N 132 26 E  
 P Q B T A  
 Otake 34 12 N 132 12 E  
 Hiroshima 34 20 N 132 27 E  
 P Q Y G C R B D T A  
 Ujina 34 21 N 132 28 E  
 Etajima 34 14 N 132 28 E  
 P G B T  
 Ogaki 34 10 N 132 27 E  
 Kure 34 14 N 132 33 E  
 P Y G R B D T A  
 Mitsukoshima 34 11 N 132 31 E  
 Y G B T  
 Hiro 34 13 N 132 37 E  
 Akitsu 34 19 N 132 49 E  
 Takehara 34 19 N 132 55 E  
 Omishima 34 15 N 133 00 E  
 Hakatashima  
 Kinoura 34 12 N 133 08 E  
 Ikuchishima  
 Setoda 34 18 N 133 06 E  
 Saizaki 34 20 N 133 02 E  
 Mihara 34 23 N 133 06 E  
 Itozaki 34 23 N 133 06 E  
 Innoshima  
 Shigei 34 20 N 133 08 E  
 Habu 34 17 N 133 11 E  
 Osakikami Shima  
 Kinoe 34 13 N 132 54 E  
 Higashino 34 15 N 132 54 E  
 Osaki 34 14 N 132 52 E  
 Iwagishima  
 Iwagi 34 14 N 133 08 E  
 Mukaishima 34 23 N 133 12 E  
 Onomichi 34 24 N 133 11 E  
 P Y G D T A  
 Matsunaga 34 25 N 133 15 E  
 Tsuneishi 34 22 N 133 17 E  
 Fukuyama 34 26 N 133 27 E  
 P Y G C B T A  
 Kasaoka 34 30 N 133 30 E  
 Y G  
 Mizushima 34 30 N 133 45 E  
 P Q Y G C R B D T A  
 Hibi 34 27 N 133 56 E  
 Y G B  
 Naoshima 34 27 N 134 00 E  
 Y B A  
 Uno 34 29 N 133 57 E  
 P Q Y G B D A  
 Okayama 34 36 N 133 59 E  
 Saidaiji 34 39 N 134 02 E  
 Ushimado 34 37 N 134 10 E  
 Shodoshima  
 Unchinomi 34 28 N 134 19 E  
 Katagami 34 43 N 134 13 E  
 Hinase 34 43 N 134 15 E  
 Ako 34 44 N 134 23 E

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118D

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Aioi 34 46 N 134 28 E  
 G B D T A  
 Aboshi 34 46 N 134 36 E  
 P Y G  
 Hirohata 34 46 N 134 37 E  
 Y P G R B  
 Himeji 34 46 N 134 38 E  
 Shikama 34 47 N 134 40 E  
 Y G C B T  
 Mega 34 46 N 134 42 E  
 P Q B T  
 Takasago 34 44 N 134 48 E  
 Higashi-Harima 34 42 N 134 50 E  
 Q Y G R B T A  
 Kakogawa 34 42 N 134 50 E  
 Q Y G R B T  
 Befu 34 43 N 134 51 E  
 Akashi 34 39 N 135 00 E  
 Awajishima  
 Ichinomiya 34 29 N 134 51 E  
 Tsuna 34 25 N 134 54 E  
 Kobe 34 40 N 135 12 E  
 P Q Y G C R B D T A  
 Nishinomiya 34 43 N 135 21 E  
 Amagasaki 34 41 N 135 23 E  
 P Q Y G T A  
 Sumoto 34 20 N 134 53 E  
 Osaka 34 39 N 135 24 E  
 P Q Y G C R B D T A  
 Sakai 34 34 N 135 24 E  
 P Q Y G C R B D T A  
 Kishiwada 34 28 N 135 22 E  
 Hannan 34 28 N 135 21 E  
 P Q Y G B A  
 Izumisano 34 23 N 135 18 E  
 Wakayama 34 12 N 135 08 E  
 P Q Y G C B T A  
 Kainan 34 09 N 135 11 E  
 Shimotsu 34 07 N 135 08 E  
 Arida 34 05 N 135 07 E  
 Yura 33 57 N 135 06 E  
 Tanabe 33 43 N 135 21 E  
 G B A  
 Katsuura 33 37 N 135 57 E  
 Shingu 33 42 N 136 00 E  
 Y G B T  
 Udono 33 44 N 136 01 E  
 Owase 34 04 N 136 13 E  
 P G B  
 Nagashima 34 11 N 136 21 E  
 Matsuzaka 34 34 N 136 32 E  
 Tsu 34 41 N 136 33 E  
 Yokkaichi 34 57 N 136 38 E  
 P Q Y G C R B T A  
 Nagoya 35 03 N 136 51 E  
 P Q Y G C R B D T A  
 Chita 34 59 N 136 51 E  
 Handa 34 53 N 136 56 E  
 Hekinan 34 56 N 136 57 E  
 Kinuura 34 52 N 136 57 E  
 P Q Y G R B T A  
 Mikawa Bay  
 Gamagori 34 48 N 137 13 E  
 P Y G R B T A  
 Mikawa 34 46 N 137 16 E  
 Toyohashi 34 43 N 137 19 E  
 P Y G C R B T A  
 Tahara 34 40 N 137 18 E  
 Atsumi 34 40 N 137 04 E  
 P B  
 Hamaoka 34 38 N 138 08 E

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120B

120C

120D



JAPAN *continued*

Oita 33 16 N 131 40 E  
[P] [Q] [Y] [G] [C] [B] [T] [A] [ ] [ ] [ ] [ ] [ ] [ ]

Beppu 33 18 N 131 31 E  
Nagasu 33 35 N 131 22 E  
Satsunan Islands

Amami Island  
Naze 28 23 N 129 30 E  
Koniya 28 09 N 129 19 E

Ryukyu Islands  
Okinawa Island  
Naha 26 13 N 127 40 E

[G] [C] [R] [T] [A] [ ] [ ] [ ] [ ] [ ] [ ] [ ]

Nakagusuku Bay (Buckner Bay)  
Yonabaru 26 12 N 127 46 E  
Nakagusuku 26 13 N 127 51 E

Kin Bay  
Heianza 26 21 N 127 57 E

[P] [Q] [Y] [G] [T] [ ] [ ] [ ] [ ] [ ] [ ] [ ]

Ishikawa 26 25 N 127 51 E  
Miyako Island  
Hirara 24 48 N 125 17 E  
Ishigaki Island  
Ishigaki 24 20 N 124 10 E

Kazan Islands  
Iwojima 24 48 N 141 18 E  
Ogasawara Islands  
Chichijima 27 05 N 142 12 E

PACIFIC ISLANDS

**GUAM (United States of America)**

Apra 13 27 N 144 37 E  
[P] [G] [C] [R] [A] [ ] [ ] [ ] [ ] [ ] [ ] [ ]

Agana 13 29 N 144 45 E

**NORTHERN MARIANA ISLANDS (United States of America)**

Saipan Island 15 12 N 145 43 E  
[P] [Y] [G] [C] [R] [B] [T] [A] [ ] [ ] [ ] [ ] [ ] [ ]

Tinian Island 14 58 N 145 37 E  
[P] [G] [C] [R] [B] [A] [ ] [ ] [ ] [ ] [ ] [ ] [ ]

Rota Island  
Rota 14 10 N 145 10 E

**PALAU (BELAU)**

Koror 7 20 N 134 29 E  
[P] [G] [C] [B] [A] [ ] [ ] [ ] [ ] [ ] [ ] [ ]

Angaur 6 54 N 134 09 E

**MICRONESIA, FEDERATED STATES OF**

Yap Island 9 30 N 138 08 E  
[P] [G] [C] [B] [A] [ ] [ ] [ ] [ ] [ ] [ ] [ ]

Chuuk (Truk) Islands  
Eten Anchorage 7 21 N 151 53 E  
Chuuk (Truk) 7 27 N 151 52 E

[P] [G] [C] [B] [A] [ ] [ ] [ ] [ ] [ ] [ ] [ ]

Pohnpei (Ponape) Island 6 59 N 158 13 E  
[Q] [G] [C] [R] [B] [A] [ ] [ ] [ ] [ ] [ ] [ ] [ ]

Kosrae Island  
Okat 5 21 N 162 57 E

**MARSHALL ISLANDS**

Jaluit 5 55 N 169 39 E  
Lae Island 8 55 N 166 16 E  
Kwajalein Atoll  
Kwajalein 8 43 N 167 44 E  
Enewetak Atoll 11 21 N 162 21 E  
Wotje Atoll 9 28 N 170 15 E

Maloelap Atoll  
Taroa 8 43 N 171 14 E  
Majuro Atoll 7 05 N 171 08 E

[P] [G] [C] [B] [A] [ ] [ ] [ ] [ ] [ ] [ ] [ ]

Djarrit 7 08 N 171 22 E  
Milli Atoll 6 05 N 171 44 E

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**SOLOMON ISLANDS**

Santa Cruz Islands  
Tikopia Island 12 10 S 168 50 E  
Vanikolo Island

Paeu 11 41 S 116 50 E  
San Cristobal (Makira) Island  
Cape Surville 10 50 S 162 23 E  
Pakera Point 10 24 S 161 48 E

Malaita Island  
Su'u Harbour 9 10 S 160 55 E  
Auki 8 45 S 160 44 E

Florida Islands  
Florida Island  
Tulagi 9 05 S 160 10 E

[G] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]

Ghavutu Island 9 07 S 160 12 E  
Makambo Island 9 06 S 160 10 E

Guadalcanal Island  
Aola Bay 9 31 S 160 30 E  
Tetere 9 25 S 160 14 E

Koli Point 9 24 S 160 09 E  
Lungga 9 25 S 160 02 E  
Kokum Beach 9 25 S 160 01 E  
Honiara 9 25 S 159 58 E

[P] [Q] [Y] [G] [C] [R] [B] [A] [ ] [ ] [ ] [ ] [ ] [ ]

Kokumbona Beach 9 25 S 159 55 E  
Santa Isabel Island

Allardyce Harbour 7 49 S 158 39 E  
Russell Islands

Mbanika Island  
Lingatu Cove 9 07 S 159 11 E  
Renard Sound 9 04 S 159 14 E  
Yandina 9 04 S 159 13 E

[G] [A] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]

New Georgia Islands

Vangunu Island  
Dakolae Anchorage 8 34 S 158 07 E  
New Georgia Island

Noro 8 13 S 157 12 E  
[P] [G] [C] [B] [A] [ ] [ ] [ ] [ ] [ ] [ ] [ ]

Barora 8 01 S 157 35 E  
Lever Harbour 8 02 S 157 35 E  
Seghe Point 8 36 S 157 53 E  
Viru Harbour 8 30 S 157 43 E  
Munda Point 8 20 S 157 15 E

Rendova Island  
Rendova Harbour 8 25 S 157 19 E  
Kenelo 8 28 S 157 16 E

Gizo Island  
Gizo 8 05 S 156 52 E

[P] [G] [A] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]

Kolombangara Island  
Ringi Cove 8 07 S 157 07 E  
Vella Lavella Island  
Malloco Bay 7 35 S 156 36 E

Choiseul Island  
Choiseul Bay 6 42 S 156 25 E

Treasury Island  
Blanche Harbour 7 24 S 155 35 E

Shortland Island  
Shortland Harbour 7 07 S 155 51 E  
Lofung 7 04 S 155 52 E

Faisi Island 7 05 S 155 53 E

**PAPUA NEW GUINEA**

Bougainville Island  
Anewa Bay 6 12 S 155 33 E  
[P] [Q] [Y] [G] [C] [B] [T] [A] [ ] [ ] [ ] [ ] [ ] [ ]

Kieta 6 13 S 155 38 E  
[G] [B] [T] [A] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]

Tonolei 6 47 S 155 53 E  
Empress Augusta Bay 6 30 S 155 05 E  
Soraken 5 34 S 154 43 E

Buka Island  
Buka 5 26 S 154 40 E

**BISMARCK ARCHIPELAGO**

New Britain  
Timbuer 4 20 S 152 17 E  
Kokopo 4 20 S 152 15 E  
Rabaul 4 12 S 152 11 E

[P] [G] [C] [R] [B] [T] [A] [ ] [ ] [ ] [ ] [ ] [ ]

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p.38/39

p.48/49

124C

124D

125A

Cape Hoskins 5 25 S 150 30 E  
Kimbe Bay

Kimbe 5 32 S 150 09 E  
[P] [Q] [G] [C] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]

Cape Gloucester 5 25 S 148 25 E  
Arawe Harbour 6 11 S 149 04 E  
Wasum 6 03 S 149 20 E  
Mowe Harbour 6 14 S 149 35 E  
Gasmata Island 6 20 S 150 20 E  
Linden Harbour 6 15 S 150 30 E  
Fulleborn 6 10 S 150 40 E

Pomio 5 31 S 151 30 E  
New Ireland

Kavieng 2 34 S 150 48 E  
[G] [C] [B] [A] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]

Nabuto Bay  
Namatanai 3 40 S 152 26 E  
Emirau Island 1 35 S 149 58 E

Mussau Island  
Melle Channel 1 32 S 149 35 E  
Admiralty Islands

Los Negros Island  
Hyane Harbour 2 03 S 147 26 E

Manus Island  
Kelaua Harbour 2 05 S 147 20 E  
Seeadler Harbour  
Lombrum 2 02 S 147 24 E  
Lorengau 2 00 S 147 15 E

[P] [G] [B] [A] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]

Rengau 2 00 S 147 16 E  
Nares Harbour 1 57 S 146 40 E  
Mainland Papua New Guinea

Vanimo 2 40 S 141 20 E  
Aitape 3 08 S 142 21 E  
Wewak 3 35 S 143 40 E

[P] [Y] [G] [C] [B] [A] [ ] [ ] [ ] [ ] [ ] [ ] [ ]

Sarang 4 45 S 145 40 E  
Alexishafen 5 05 S 145 50 E  
Madang 5 15 S 145 50 E

[P] [Y] [G] [C] [B] [A] [ ] [ ] [ ] [ ] [ ] [ ] [ ]

Astrolabe Bay  
Konstantin Harbour 5 28 S 145 38 E

Saidor 5 40 S 146 30 E  
Finschafen 6 33 S 147 53 E  
Langemak Bay 6 35 S 147 52 E  
Dreger Harbour 6 39 S 147 53 E  
Cape Cretin 6 40 S 147 50 E  
Lae 6 44 S 146 59 E

[P] [Q] [G] [C] [B] [T] [A] [ ] [ ] [ ] [ ] [ ] [ ]

Salamaua 7 00 S 147 05 E  
Morobe 7 45 S 147 35 E  
Buna 8 40 S 148 25 E  
Cape Sudest 8 45 S 148 28 E  
Oro Bay 8 50 S 148 30 E

[G] [A] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]

Port Harvey 8 54 S 148 36 E  
Porlock Harbour 9 02 S 149 04 E  
Goodenough Island

Cape Varieta 9 24 S 150 08 E  
Beli Beli 9 22 S 150 22 E

Kiriwina Island  
Muiaio 8 30 S 151 08 E  
Woodlark Island 9 20 S 152 48 E

Misima Island  
Maika Harbour 10 42 S 152 48 E  
Tagula Island  
Cape Siri 11 37 S 153 47 E

Milne Bay  
Ahioma 10 20 S 150 31 E  
Alotau 10 19 S 150 27 E

[G] [C] [A] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]

Gili Gili 10 19 S 150 23 E  
Gamadodo 10 24 S 150 24 E  
Vatavaila 10 25 S 150 25 E

Samarai Island  
Samarai 10 37 S 150 40 E  
Marshall Lagoon 10 06 S 148 05 E  
Port Moresby 9 26 S 147 06 E

[P] [G] [C] [R] [B] [T] [A] [ ] [ ] [ ] [ ] [ ] [ ]

Kumul Terminal 8 06 S 144 33 E  
Fly River  
Kiunga 6 07 S 141 17 E

Umuda Terminal 8 28 S 143 52 E

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126B

126C

126D



AUSTRALIA continued

Geelong 38 07 S 144 23 E  
 Point Lillias 38 06 S 144 27 E  
 Point Wilson 38 06 S 144 30 E  
 Williamstown 37 52 S 144 55 E  
 Yarraville 37 49 S 144 54 E  
 Melbourne 37 50 S 144 55 E  
 Portsea 38 19 S 144 43 E  
 Hastings (Westernport) 38 20 S 145 15 E  
 Wilson's Promontory 39 08 S 146 22 E  
 Barry Beach 38 43 S 146 23 E  
 Port Welshpool 38 42 S 146 27 E  
 Gippsland Lakes 37 53 S 147 58 E

NEW SOUTH WALES

Twofold Bay  
 Eden 37 04 S 149 55 E  
 Jervis Bay 35 06 S 150 47 E  
 Port Kembla 34 28 S 150 54 E  
 Bulli 34 20 S 150 55 E  
 Botany Bay 34 00 S 151 14 E  
 Port Botany 33 58 S 151 13 E  
 Kurnell 34 00 S 151 14 E  
 Port Jackson 33 50 S 151 17 E  
 Sydney 33 50 S 151 15 E  
 Catherine Hill Bay 33 10 S 151 38 E  
 Newcastle 32 56 S 151 47 E  
 Hexham 32 49 S 151 40 E  
 Lord Howe Island 31 32 S 159 05 E  
 Port Stephens 32 42 S 152 12 E  
 Port Macquarie 31 25 S 152 55 E  
 Trial Bay  
 South West Rocks 30 53 S 153 02 E  
 Coffs Harbour 30 18 S 153 09 E  
 Clarence River  
 Yamba 29 25 S 153 23 E  
 Grafton 29 42 S 152 57 E  
 Ballina 28 52 S 153 37 E

QUEENSLAND

Brisbane 27 19 S 153 10 E  
 Caboolture 27 05 S 152 57 E  
 Pumice Stone Strait 26 49 S 153 10 E  
 Cape Moreton 27 02 S 153 28 E  
 Caloundra Head 26 48 S 153 09 E  
 Maryborough 25 25 S 152 45 E  
 Urangan 25 17 S 152 55 E  
 Bundaberg 24 46 S 152 23 E  
 Gladstone 23 50 S 151 15 E  
 Port Alma 23 35 S 150 52 E  
 Rockhampton 23 24 S 150 33 E  
 Hay Point (Dalrymple Bay) 21 16 S 149 18 E  
 Flat Top Island 21 10 S 149 13 E  
 Mackay 21 06 S 149 13 E  
 Hayman Island 20 04 S 148 52 E  
 Port Denison  
 Bowen 20 01 S 148 15 E

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Abbot Point 19 51 S 148 04 E  
 Townsville 19 15 S 146 50 E  
 Great Palm Island  
 Challenger Bay 18 44 S 146 34 E  
 Lucinda 18 31 S 146 20 E  
 Mourilyan 17 36 S 146 07 E  
 Innisfail 17 31 S 146 05 E  
 Cairns 16 56 S 145 47 E  
 Port Douglas 16 29 S 145 27 E  
 Archer Point 15 36 S 145 20 E  
 Cooktown 15 28 S 145 10 E  
 Cape Flattery 14 55 S 145 20 E

130B

NEW ZEALAND  
 NORTH ISLAND  
 North Cape 35 24 S 173 03 E  
 Kaipara 36 25 S 174 04 E  
 Onehunga 36 56 S 174 46 E  
 Raglan 37 46 S 174 54 E  
 Taharoa Terminal 38 10 S 174 40 E  
 Waitara 39 00 S 174 14 E  
 New Plymouth (Port Taranaki) 39 04 S 174 05 E  
 Whakaaropai Terminal 39 39 S 173 20 E  
 Opunake 39 27 S 173 52 E  
 Patea 39 47 S 174 29 E  
 Waverley Terminal 39 51 S 174 35 E  
 Wanganui 39 57 S 175 00 E  
 Port Nicholson 41 19 S 174 51 E  
 Wellington 41 17 S 174 46 E  
 Hawke Bay  
 Napier 39 29 S 176 55 E  
 Eastland Port (Gisborne) 38 41 S 178 02 E  
 Tokomarua 38 06 S 178 21 E  
 East Cape 37 41 S 178 33 E  
 Whakatane 37 57 S 177 00 E  
 Tauranga Harbour  
 Mount Maunganui 37 41 S 176 14 E  
 Tauranga 37 39 S 176 10 E  
 Thames 37 08 S 175 32 E  
 Auckland 36 51 S 174 48 E  
 Whangarei Harbour  
 Marsden Point 35 50 S 174 31 E  
 Portland 35 48 S 174 20 E  
 Whangarei 35 44 S 174 21 E  
 Cape Brett 35 10 S 174 19 E  
 Port Russell 35 15 S 174 07 E  
 Opua 35 18 S 174 08 E  
 Whangaroa 35 03 S 173 48 E

130C

SOUTH ISLAND  
 Wairau 41 30 S 174 03 E  
 Picton 41 16 S 174 00 E

130D

131A

Nelson 41 16 S 173 19 E  
 Tarakohe 40 51 S 172 54 E  
 Cape Farewell 40 30 S 172 41 E  
 Westport 41 44 S 171 35 E  
 Greymouth 42 26 S 171 13 E  
 Hokitika 42 43 S 170 58 E  
 Doubtful Sound  
 Deep Cove 45 17 S 166 51 E  
 Cape Providence 46 01 S 166 29 E  
 Invercargill 46 26 S 168 21 E  
 Bluff Harbour  
 Bluff 46 37 S 168 22 E  
 Southport 46 36 S 168 21 E  
 Tiwai Point 46 36 S 168 23 E  
 Stewart Island  
 Oban 46 54 S 168 08 E  
 Otago Harbour  
 Ravensbourne 45 52 S 170 32 E  
 Dunedin 45 53 S 170 31 E  
 Port Chalmers 45 49 S 170 37 E  
 Oamaru 45 07 S 170 59 E  
 Timaru 44 23 S 171 15 E  
 Akaroa 43 51 S 172 56 E  
 Lyttelton 43 37 S 172 43 E  
 Macquarie Island (Australia) 54 35 S 158 58 E  
 Campbell Island 50 32 S 166 14 E  
 Auckland Islands 50 31 S 166 08 E  
 Antipodes Islands 49 30 S 178 50 E  
 Bounty Islands 47 42 S 179 03 E  
 Chatham Islands 44 00 S 176 30 W  
 Kermadec Islands 29 17 S 177 53 W  
 Norfolk Island (Australia) Cascade Bay 29 01 S 167 59 E

131B

NEW CALEDONIA (France)  
 Noumea 22 17 S 166 26 E  
 Ducos 22 15 S 166 25 E  
 Quinne 22 17 S 166 30 E  
 Boulari 22 17 S 166 32 E  
 Ngoe 22 20 S 166 42 E  
 Prony 22 22 S 166 52 E  
 Port Boise 22 21 S 166 58 E  
 Goro 22 20 S 167 02 E  
 Ounia 22 02 S 166 51 E  
 Thio 21 37 S 166 15 E  
 Nakety (Nekete) 21 30 S 166 05 E  
 Canala 21 29 S 165 59 E  
 Kouaoua 21 23 S 165 50 E  
 Houailou 21 18 S 165 44 E  
 Poro 21 18 S 165 43 E  
 Baie Ugue 21 09 S 165 33 E  
 Baie de Pam 20 14 S 164 18 E  
 Poum 20 14 S 164 00 E  
 Nehoue 20 20 S 164 07 E  
 Babouillat 20 23 S 164 08 E  
 Paagoumene 20 30 S 164 11 E  
 Tangadiou 20 30 S 164 15 E  
 Karembe 20 38 S 164 19 E  
 Teoudie 20 44 S 164 25 E  
 Gomen 20 44 S 164 23 E  
 Gatope 20 58 S 164 38 E  
 Vouavoutou 20 58 S 164 39 E  
 Pouembout 21 09 S 164 53 E  
 Moueo 21 24 S 164 56 E  
 Poya 21 23 S 165 05 E  
 Bourail 21 37 S 165 26 E  
 Tomo 21 57 S 166 10 E  
 Tontouta 22 00 S 166 10 E  
 Païta 22 11 S 166 18 E

131C

PACIFIC ISLANDS

PACIFIC ISLANDS

131D

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132B

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132D

**VANUATU**  
 Aneityum Island  
 Port Aneityum 20 15 S 169 45 E  
 Tanna Island  
 Lenakel 19 33 S 169 15 E  
 Erromango Island  
 Port Narevin 18 45 S 169 12 E  
 Efate Island  
 Port Vila 17 45 S 168 18 E  
 P O G C R B T A  
 Havannah Harbour 17 35 S 168 14 E  
 Undine Bay 17 30 S 168 20 E  
 Metensa Bay  
 Forari 17 41 S 168 33 E  
 Malakula Island  
 Port Sandwich 16 25 S 167 48 E [488  
 Espiritu Santo Island  
 Luganville Bay 15 31 S 167 09 E  
 Santo 15 31 S 167 10 E  
 P O Y G C R B A  
 Palikulo Bay 15 29 S 167 14 E

**FIJI**  
 Viti Levu Island  
 Suva 18 08 S 178 25 E  
 P O Y G C R B T A  
 Navua 18 16 S 178 12 E  
 Navuloa 17 53 S 177 16 E  
 Nandi (Nadi) Waters 17 41 S 177 15 E  
 Vuda Point Terminal 17 41 S 177 23 E  
 Lautoka 17 36 S 177 26 E  
 P O Y G C R B T A  
 Vatia 17 24 S 177 46 E  
 Ellington 17 20 S 178 13 E  
 Ovalau Island  
 Levuka 17 41 S 178 51 E  
 G B T A  
 Vanua Levu Island  
 Savusavu Bay  
 Savusavu 16 46 S 179 20 E  
 P G T A  
 Nandi Bay 16 58 S 178 46 E  
 Labasa (Lambasa) 16 26 S 179 23 E  
 Malau 16 21 S 179 22 E  
 Rotuma Island 12 30 S 177 05 E

**WALLIS and FUTUNA ISLANDS (France)**  
 Uvea Island  
 Mua 13 21 S 176 10 W  
 Port Halalo 13 20 S 176 11 W  
 Matautu 13 17 S 176 08 W

**TONGA**  
 Tongatapu Island  
 Nukualofa 21 08 S 175 11 W  
 P O G B A  
 Nomuka Island 20 15 S 174 45 W  
 Lifuka Island  
 Pangai 19 48 S 174 21 W  
 Vavau Island  
 Neiafu 18 39 S 173 59 W  
 Niuafoo Island 15 36 S 175 38 W  
 Niuatoputapu Island 15 58 S 173 46 W

**SAMOA**  
 Savaii Island  
 Asau 13 30 S 172 38 W  
 Upolu Island  
 Apia 13 49 S 171 46 W  
 P Y G C R T A  
**AMERICAN SAMOA (United States of America)**  
 Tutuila Island  
 Pago Pago 14 17 S 170 40 W  
 P G C R B T A  
 Tau Island 14 15 S 169 27 W

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133B

133C

133D

**NIUE (New Zealand)**  
 Niue  
 Alofi 19 03 S 169 55 W

**COOK ISLANDS (New Zealand)**  
 Aitutaki Island  
 Arutunga 18 52 S 159 48 W  
 Rarotonga Island  
 Avarua 21 12 S 159 46 W  
 Avatiu 21 12 S 159 47 W  
 P G C R B T A  
**FRENCH POLYNESIA (France)**  
 Society Islands  
 Bora Bora  
 Vaitape 16 30 S 151 45 W  
 Raiatea Island  
 Uturoa 16 44 S 151 26 W  
 Tahiti Island  
 Papeete 17 32 S 149 35 W  
 P O G C R B D T A  
 Australes (Tubuai) Islands  
 Tubuai Island  
 Mataura 23 22 S 149 28 W  
 Raivavae Island  
 Rairua 23 52 S 147 41 W  
 Rapa Island  
 Ahurei 27 37 S 144 20 W  
 Tuamotu Archipelago  
 Mangareva Island  
 Rikitea 23 07 S 134 58 W  
 Mururoa 21 50 S 138 55 W  
 Hao Island 18 15 S 140 55 W  
 Makatea 15 51 S 148 15 W  
 Manihi 14 28 S 146 04 W  
 Takarua 14 29 S 145 03 W  
 Marquesas Islands  
 Nuku-Hiva Island  
 Taiohae 8 56 S 140 06 W

**PITCAIRN ISLANDS (United Kingdom)**  
 Oeno Island 23 56 S 130 44 W  
 Pitcairn Island 25 04 S 130 06 W  
 Henderson Island 24 22 S 128 19 W  
 Ducie Island 24 40 S 124 48 W

**TOKELAU (New Zealand)**  
 Atafu Island 8 32 S 172 31 W

**TUVALU**  
 Funafuti Island  
 Funafuti 8 31 S 179 12 E  
 G B A  
 Nukufetau Atoll 8 00 S 178 20 E  
 Nanumea Island 5 40 S 176 07 E

**NAURU**  
 Nauru Island 0 31 S 166 56 E  
 P Y G C A  
**KIRIBATI**  
 Banaba (Ocean Island) 0 53 S 169 32 E  
 Gilbert Islands  
 Little Makin Island 3 20 N 172 58 E  
 Butaritari Island 3 04 N 172 47 E  
 Abaiang Island 1 49 N 173 01 E  
 Tarawa Atoll  
 Betio 1 21 N 172 55 E  
 P G C B T A  
 Abemama Island 0 24 N 173 56 E  
 Nonouti Island 0 40 S 174 28 E  
 Beru Island 1 21 S 175 59 E  
 Phoenix Islands  
 Canton (Kanton) Island 2 47 S 171 40 W  
 Enderbury Island 3 08 S 171 06 W  
 Gardner Island (Nikumaroro Atoll)  
 4 40 S 174 32 W  
 Line Islands

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134B

134C

134D

Taraina (Fanning Island)  
 3 51 N 159 22 W  
 Tabuهران (Washington Island)  
 4 43 N 160 25 W  
 Kiritimati (Christmas Island)  
 1 59 N 157 28 W  
 Baker Island (United States of America)  
 0 13 N 176 28 W  
 Palmyra Atoll (United States of America)  
 5 53 N 162 05 W  
 Kingman Reef (United States of America)  
 6 25 N 162 23 W  
 Johnston Atoll (United States of America)  
 16 46 N 169 30 W  
 Wake Island (United States of America)  
 19 18 N 166 38 E  
 Midway Islands (United States of America)  
 28 13 N 177 21 W

**UNITED STATES OF AMERICA**  
 HAWAII (HI)  
 Tern Island 23 46 N 166 16 W  
 Kauai Island  
 Port Allen 21 54 N 159 36 W  
 P O G B A  
 Wahiawa Bay 21 54 N 159 35 W  
 Nawiliwili 21 57 N 159 21 W  
 P O Y G C R T A  
 Ahukini Landing 21 59 N 159 20 W  
 Oahu Island  
 Honolulu 21 18 N 157 52 W  
 P O Y G C R B D T A  
 Pearl Harbour 21 20 N 157 58 W  
 Barbers Point 21 16 N 158 05 W  
 P Y G C R B D T A  
 Molokai Island  
 Kaunakakai Harbour 21 05 N 157 02 W  
 Kolo Harbour 21 06 N 157 12 W  
 Lanai Island  
 Kaunamalapa Harbour 20 47 N 157 00 W  
 Maui Island  
 Kaanapali 20 56 N 156 42 W  
 Lahaina 20 52 N 156 41 W  
 Kahului 20 54 N 156 28 W  
 P O Y G C R T A  
 Hana 20 46 N 155 59 W  
 Hawaii Island  
 Honoipuu 20 15 N 155 53 W  
 Mahukona 20 11 N 155 54 W  
 Kawaihae 20 02 N 155 50 W  
 P O Y G C R A  
 Honuapo 19 05 N 155 33 W  
 Hilo 19 44 N 155 04 W  
 P O Y G C R T A  
 Honokaa 20 06 N 155 28 W

**RUSSIA**  
 Khasan 42 28 N 130 48 E  
 Posyeta Bay  
 Posyet 42 38 N 130 48 E  
 Y G  
 Zarubino 42 40 N 131 06 E  
 Y G C T  
 Slavyanka 42 55 N 131 28 E  
 Amurskiy Bay  
 Pervaya Rechka 43 08 N 131 53 E  
 Vladivostok 43 07 N 131 53 E  
 Y G C R B T A  
 Ussuriyskiy Bay  
 Bolshoy Kamen 43 08 N 132 20 E  
 Podyapolskoye 42 56 N 132 19 E  
 Livadiya 42 51 N 132 42 E  
 Nakhodka 42 48 N 132 54 E  
 P O Y G C R B D T  
 Vrangal Bay  
 Vostochnyy 42 45 N 133 04 E  
 Q Y G C R B T

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135B

135C

135D

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## GREENLAND (Denmark) 139A

Danmarkshavn 76 46 N 18 45 W  
 Daneborg 74 18 N 20 15 W  
 Zackenberg 74 28 N 20 38 W  
 Ella Island 72 52 N 24 55 W  
 Mesters Vig 72 09 N 23 45 W  
 Nerlerit Innat 70 44 N 22 38 W  
 Ittoqqortoormiit (Scoresby Sound)  
 Uunarteq (Kap Tobin) 70 30 N 21 50 W  
 Cape Brewster 70 09 N 22 03 W  
 Aputiteq 67 48 N 32 13 W  
 Kuummiut 65 52 N 37 00 W  
 Kulusuk (Kullorsuaq) 65 32 N 37 15 W  
 Ammassalik (Tasiilaq) Island  
 Ammassalik (Tasiilaq) 65 35 N 37 30 W

G B A

Ikkatseq 65 38 N 37 57 W  
 Umivik 64 15 N 40 50 W  
 Skjoldungen 63 14 N 41 27 W  
 Qutdleq 62 31 N 42 13 W  
 Tingmiarmiut Fjord 62 30 N 42 12 W  
 Ikerassuaq (Prins Christians Sound)  
 Natsek Cove 60 03 N 43 07 W  
 Cape Farewell 59 46 N 43 54 W  
 Aappilattoq 60 10 N 44 17 W  
 Narsaq Kujalleq (Frederiksdal)  
 60 00 N 44 40 W  
 Nanortalik 60 08 N 45 15 W

P G C B A

Kirkespirdalen 60 19 N 44 56 W  
 Alluitsup Paa (Sydproven) 60 28 N 45 34 W  
 Qaqortoq (Julianehaab) 60 43 N 46 02 W

G C B A

Narsarsuaq 61 09 N 45 26 W

P G A

Narsaq 60 54 N 45 59 W

P G C B A

Ivittuut 61 12 N 48 10 W  
 Kangilinnuguit (Gronnedal) 61 12 N 48 06 W

G B A

Paamiut (Frederikshaab) 62 00 N 49 40 W

P G C B A

Fiskenaeset 63 05 N 50 41 W  
 Kangerluarsoruseq (Faeringehavn)  
 63 42 N 51 33 W

P G B A

Nuuk (Godthaab) 64 10 N 51 44 W

P Q G C B A

Tovqussaq 64 52 N 52 12 W  
 Maniitsoq (Sukkertoppen) 65 25 N 52 54 W

G C B A

Kangaamiut 65 49 N 53 18 W  
 Sondre Stromfjord  
 Kangerlussuaq 66 58 N 50 57 W

P G B A

Sisimiut (Holsteinsborg) 66 57 N 53 41 W

P Y G C B A

Nordre Stromfjord 67 45 N 52 20 W  
 Aasiaat (Egedesminde) 68 43 N 52 53 W

G C B A

Qasigiannuguit (Christianshaab)  
 68 49 N 51 11 W

P G C A

Ilulissat (Jakobshavn) 69 13 N 51 06 W

G C B A

Disko Island

Oeqertarsuaq (Godhavn)  
 69 15 N 53 33 W

G B A

## Qutdligssat 70 04 N 52 50 W 140A

Uummannaq (Umanak) 70 41 N 52 08 W

G A

Marmorilik 71 08 N 51 17 W  
 Upernavik 72 47 N 56 09 W

P G A

Tasiusaq 73 22 N 56 04 W  
 Savissivik 76 02 N 64 51 W  
 North Star Bay  
 Pituffik 76 33 N 68 52 W

P G A

Uummannaq (Dundas) 76 33 N 68 49 W  
 Qaanaaq (Thule) 77 28 N 69 13 W

G A

Siorapaluk 77 47 N 70 42 W

## CANADA

### QUEBEC

Ungava Bay  
 Port Burwell 60 25 N 64 51 W  
 Port Nouveau Quebec 58 41 N 65 56 W  
 Fort Chimo 58 09 N 68 18 W

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## 140B

Hudson Strait  
 Diana Bay 60 55 N 70 00 W  
 Douglas Harbour 61 55 N 72 37 W  
 Deception Bay 62 14 N 74 45 W  
 Hudson Bay  
 Great Whale River 55 18 N 77 45 W

### ONTARIO

James Bay  
 Moosonee 51 16 N 80 39 W  
 Winisk 55 17 N 85 14 W

### MANITOBA

York Factory 57 00 N 92 16 W  
 Port Nelson 57 00 N 92 56 W  
 Churchill 58 47 N 94 13 W

P Y G B T A

## NORTH WEST TERRITORIES 140C

Rankin Inlet 62 49 N 92 05 W  
 Chesterfield Anchorage 63 20 N 90 41 W  
 Chesterfield Inlet  
 Baker Lake 64 18 N 96 06 W  
 Roes Welcome Sound  
 Cape Fullerton 63 59 N 88 44 W  
 Southampton Island  
 Coral Harbour 64 07 N 83 05 W  
 Seahorse Point 63 47 N 80 09 W

Foxe Basin  
 Prince Charles Island 67 12 N 76 41 W

Baffin Island  
 Cape Dorset 64 10 N 76 29 W  
 Resolution Island 61 30 N 65 00 W  
 Iqaluit (Frobisher) 63 45 N 68 32 W  
 Cumberland Sound  
 Pangnirtung 66 13 N 65 45 W  
 Cape Mercy 64 53 N 63 32 W  
 Padloping Island 67 00 N 62 50 W  
 Admiralty Inlet  
 Strathcona Sound  
 Nanisivik 73 04 N 84 33 W

Y G A

Devon Island 75 00 N 85 00 W  
 Cornwallis Island  
 Resolute 74 41 N 94 52 W  
 Little Cornwallis Island 75 23 N 96 57 W  
 Bathurst Island 76 00 N 100 00 W  
 Melville Island  
 Winter Harbour 74 47 N 110 48 W

Wise Bay 70 06 N 124 45 W  
 McKinley Bay 69 57 N 131 27 W  
 Tuktoyaktuk 69 26 N 133 03 W

P G C B T A

## U.S.A. 141A

### ALASKA (AK)

Kattovik 70 08 N 143 50 W  
 Prudhoe Bay 70 20 N 148 20 W  
 Point Barrow 71 17 N 156 40 W  
 Barrow 71 19 N 156 43 W  
 Wainwright 70 39 N 160 10 W  
 Point Lay 69 47 N 162 51 W  
 Cape Lisburne 68 52 N 166 09 W  
 Kivalina 67 45 N 164 40 W  
 Nome 64 31 N 165 25 W

P Y G C B T A

St. Lawrence Island  
 Gambell 63 46 N 171 43 W  
 Bethel 60 48 N 161 30 W  
 Bristol Bay  
 Togiak 59 05 N 160 30 W  
 Clarks Point 58 50 N 158 33 W  
 Naknek 58 44 N 157 02 W  
 Port Heiden 56 57 N 158 50 W  
 Amak Island  
 Amak Bight 55 25 N 163 00 W

### Alutian Islands

Unimak Island  
 Cape Lazaref 54 37 N 163 36 W  
 West Anchor Cove 54 41 N 163 09 W

Akun Island  
 Lost Harbour 54 13 N 165 39 W

Akutan Island  
 Akutan 54 08 N 165 45 W

Unalaska Island  
 Iliuliuk Harbour 53 53 N 166 32 W  
 Dutch Harbour 53 54 N 166 32 W

P G C R B T A

Anderson Bay 53 41 N 166 51 W  
 Chernofski Harbour 53 24 N 167 31 W

Umnak Island  
 Cape Tanak 53 35 N 168 00 W

Atka Island  
 Nazan Bay 52 09 N 174 07 W  
 Atka 52 12 N 174 12 W

Great Sitkin Island  
 Sand Bay 51 59 N 176 06 W  
 Yoke Bay 52 01 N 176 02 W

Adak Island  
 Adak 51 51 N 176 39 W  
 Kuluk Bay 51 52 N 176 35 W  
 Chapel Roads 51 37 N 176 48 W  
 Shagak Bay 51 52 N 176 45 W

Tanaga Island  
 Tanaga Bay 51 45 N 178 05 W

Amchitka Island  
 Constantine Harbour  
 51 24 N 179 16 E

Kiska Island  
 Kiska Harbour 51 59 N 177 34 E  
 Gertrude Cove 51 56 N 177 27 E

Shemya Island 52 43 N 174 06 E  
 Attu Island  
 Massacre Bay 52 49 N 173 18 E  
 Chichagof Harbour 52 56 N 173 15 E

Cold Bay  
 Lenard Harbour 55 07 N 162 31 W

King Cove 55 02 N 162 19 W  
 Balboa Bay 55 35 N 160 35 W

Chignik 56 18 N 158 24 W  
 Puale Bay 57 44 N 155 32 W

Kodiak Island

Kodiak 57 47 N 152 24 W

P G C R B T A

Womens Bay  
 St. Paul Harbour 57 44 N 152 26 W

Afognak Island  
 Afognak 58 00 N 152 50 W

Cook Inlet  
 Drift River Terminal 60 33 N 152 08 W  
 West Foreland 60 43 N 151 44 W

Tyonek 61 04 N 151 09 W  
 Susitna 61 28 N 150 30 W  
 Anchorage 61 13 N 149 53 W

P Y G C R B T A

Nikishka 60 44 N 151 18 W  
 East Foreland 60 43 N 151 25 W

## 139B

## 139C

## 139D

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## 141B

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## 141C

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## 141D

U.S.A. continued

Nikiski 60 41 N 151 23 W  
 P Q Y B A

Kenai 60 33 N 151 16 W  
 Homer 59 38 N 151 30 W  
 Y B T A

Jakolof Bay 59 27 N 151 40 W  
 Seldovia 59 26 N 151 43 W  
 Seward 60 07 N 149 26 W  
 P Y G C B D T A

Prince William Sound  
 Whittier 60 47 N 148 40 W  
 P G R B T

Valdez 61 08 N 146 21 W  
 P Y G C R B T A

Orca 60 35 N 145 43 W  
 Cordova 60 33 N 145 46 W  
 G C R B A

Yakutat 59 33 N 139 45 W  
 Cape Spencer 58 13 N 136 40 W  
 Glacier Bay 58 30 N 136 00 W  
 Pleasant Island 58 23 N 135 45 W  
 Excursion Inlet 58 26 N 135 28 W  
 Haines 59 14 N 135 27 W  
 P Y G R T A

Bartlett Cove 58 28 N 135 49 W  
 Skagway 59 27 N 135 19 W  
 P Y G C R B T A

Juneau 58 18 N 134 25 W  
 G R A

Admiralty Island  
 Hawk Inlet 58 06 N 134 44 W  
 Tyee 57 03 N 134 33 W

Chichagof Island  
 Hoonah 58 07 N 135 26 W  
 Chichagof 57 40 N 136 06 W  
 Chatham 57 31 N 134 57 W

Baranof Island  
 Sitka 57 03 N 135 20 W  
 P Q Y G C B A

Silver Bay 57 02 N 135 14 W  
 Port Conclusion 56 16 N 134 39 W

Kupreanof Island  
 Kake 56 55 N 133 52 W  
 Castle Island 56 39 N 133 10 W  
 Y A

Mitkof Island  
 Petersburg 56 49 N 132 57 W

Wrangell Island  
 Wrangell 56 28 N 132 22 W  
 G R T A

Prince of Wales Island  
 Dora Bay 55 14 N 132 13 W  
 Kasaan 55 32 N 132 24 W  
 Klawock 55 33 N 133 06 W  
 G T A

Craig 55 28 N 133 09 W  
 Hydaburg 55 12 N 132 49 W

Long Island 54 51 N 132 41 W  
 Dall Island  
 Waterfall Bay 55 16 N 133 16 W

Ward Cove 55 25 N 131 44 W  
 Ketchikan 55 21 N 131 39 W  
 Y G C R D T A

Annette Island  
 Metlakatla 55 08 N 131 34 W

Metlakatla 55 08 N 131 34 W

Metlakatla 55 08 N 131 34 W

Metlakatla 55 08 N 131 34 W

Metlakatla 55 08 N 131 34 W

Metlakatla 55 08 N 131 34 W

Metlakatla 55 08 N 131 34 W

Metlakatla 55 08 N 131 34 W

Metlakatla 55 08 N 131 34 W

Metlakatla 55 08 N 131 34 W

142A

Prince Rupert 54 19 N 130 22 W

P Q Y G R B T A

Porpoise Harbour  
 Watson Island 54 14 N 130 17 W  
 Port Edward 54 14 N 130 18 W

Queen Charlotte Islands  
 Graham Island  
 Masset 54 00 N 132 09 W

Moresby Island  
 Harriet Harbour  
 Jedway 52 18 N 131 13 W

Tasu Bay 52 46 N 132 03 W  
 Kitimat 54 00 N 128 42 W  
 Q Y G C R B T A

Ocean Falls 52 21 N 127 42 W  
 Bella Coola 52 23 N 126 46 W  
 Vancouver Island

Port Hardy 50 43 N 127 29 W  
 P G B A

Quatsino Sound  
 Rupert Inlet 50 33 N 127 34 W  
 Port Alice 50 23 N 127 27 W

P Y G B T A

Zeballos 49 59 N 126 51 W  
 Nootka 49 35 N 126 37 W  
 Tahsis 49 55 N 126 40 W  
 Gold River 49 41 N 126 07 W

G B T

Estevan Point 49 23 N 126 32 W  
 Tofino 49 08 N 125 54 W  
 Ucluelet 48 56 N 125 32 W

Toquart Bay  
 Lake Kennedy 49 02 N 125 20 W  
 Port Alberni 49 14 N 125 00 W

Y G C T A

William Head 48 20 N 123 32 W  
 Esquimalt 48 26 N 123 26 W

G B D T A

Victoria 48 25 N 123 23 W  
 G B D T A

James Island 48 36 N 123 21 W  
 Sidney 48 39 N 123 24 W  
 Senanus Island 48 35 N 123 29 W

Bamberton 48 35 N 123 31 W  
 Plumper Sound 48 46 N 123 12 W  
 Hatch Point 48 41 N 123 32 W  
 Cowichan Bay 48 45 N 123 36 W

Y B A

Crofton 48 52 N 123 38 W  
 Y T A

Chemainus 48 55 N 123 42 W  
 Y A

Ladysmith 48 59 N 123 47 W  
 Harmac 49 08 N 123 51 W  
 Duke Point 49 10 N 123 54 W  
 Nanaimo 49 10 N 123 56 W

P G C R B T A

Nanoose 49 15 N 124 09 W  
 Texada Island 49 42 N 124 33 W  
 Union Bay 49 35 N 124 52 W  
 Comox 49 40 N 124 55 W  
 Campbell River 50 02 N 125 14 W  
 Duncan Bay 50 05 N 125 17 W

Y G A

Menzies Bay 50 07 N 125 22 W  
 Beaver Cove 50 32 N 126 51 W  
 Englewood 50 32 N 126 52 W  
 River Nimpkish 50 34 N 126 58 W  
 Port McNeill 50 36 N 127 05 W

Powell River 49 52 N 124 33 W  
 P Q G B T A

Westview 49 50 N 124 32 W  
 Sechelt 49 28 N 123 45 W  
 Port Mellon 49 31 N 123 29 W

Y G T A

Woodfibre 49 40 N 123 15 W  
 G

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142B

142C

142D

143A

Squamish 49 41 N 123 10 W

Y G B T A

Britannia Beach 49 37 N 123 12 W  
 Dollarton 49 18 N 122 57 W  
 loco 49 18 N 122 53 W  
 Port Moody 49 17 N 122 51 W  
 Shellburn 49 17 N 122 56 W  
 Vancouver 49 17 N 123 07 W

P Q Y G C R B D T A

Fraser River  
 Fraser River Port (New Westminster)  
 49 12 N 122 55 W

Q Y G C R B T A

Port Mann 49 11 N 122 50 W  
 Ladner 49 05 N 123 05 W  
 Roberts Bank 49 01 N 123 08 W

U.S.A.

WASHINGTON (WA)

Blaine 49 00 N 122 50 W  
 Cherry Point 48 52 N 122 45 W  
 Ferndale 48 50 N 122 43 W

P B T A

Bellingham 48 45 N 122 30 W  
 P Y G R B T A

Vendovi Island 48 37 N 122 37 W  
 San Juan Island  
 Friday Harbour 48 32 N 123 00 W

March Point 48 30 N 122 34 W  
 Anacortes 48 31 N 122 37 W  
 P Y G B D T A

Holmes Harbour 48 05 N 122 34 W  
 Everett 47 59 N 122 13 W  
 Y G C R B T A

Mukilteo 47 57 N 122 18 W  
 Puget Sound  
 Edmonds 47 49 N 122 22 W  
 Point Wells 47 47 N 122 24 W  
 Seattle 47 38 N 122 20 W

P Y G C R B D T A

Tacoma 47 15 N 122 25 W  
 P Q Y G C R B T A

Olympia 47 03 N 122 54 W  
 Y G C R B A

Manchester 47 33 N 122 32 W  
 Port Orchard 47 32 N 122 38 W  
 Bremerton 47 34 N 122 37 W  
 Port Blakely 47 36 N 122 31 W  
 Eagle Harbour 47 37 N 122 30 W  
 Winslow 47 37 N 122 31 W  
 Port Madison 47 42 N 122 34 W

Port Gamble 47 52 N 122 35 W  
 Bangor Wharf 47 45 N 122 43 W  
 Port Ludlow 47 55 N 122 41 W  
 Port Hadlock 48 02 N 122 45 W  
 Indian Island 48 03 N 122 43 W  
 Port Townsend 48 07 N 122 45 W

P G B A

Port Angeles 48 08 N 123 25 W  
 Y G B T A

Crescent Bay 48 10 N 123 43 W  
 Clallam Bay 48 16 N 124 16 W  
 Neah Bay 48 23 N 124 36 W  
 Cape Flattery 48 23 N 124 43 W  
 Tatoosh Island 48 23 N 124 44 W  
 Grays Harbour 46 56 N 123 51 W

G C R B T A

Hoquiam 46 58 N 123 54 W  
 Aberdeen 46 58 N 123 51 W  
 Westport 46 53 N 124 06 W

Willapa River  
 South Bend 46 40 N 123 48 W  
 Raymond 46 41 N 123 44 W  
 Willapa Harbour 46 44 N 124 04 W  
 Cape Disappointment 46 17 N 124 03 W  
 Columbia River  
 Knappton 46 17 N 123 49 W

G C R B T A

Hoquiam 46 58 N 123 54 W  
 Aberdeen 46 58 N 123 51 W  
 Westport 46 53 N 124 06 W

Willapa River  
 South Bend 46 40 N 123 48 W  
 Raymond 46 41 N 123 44 W  
 Willapa Harbour 46 44 N 124 04 W  
 Cape Disappointment 46 17 N 124 03 W  
 Columbia River  
 Knappton 46 17 N 123 49 W

South Bend 46 40 N 123 48 W  
 Raymond 46 41 N 123 44 W  
 Willapa Harbour 46 44 N 124 04 W  
 Cape Disappointment 46 17 N 124 03 W  
 Columbia River  
 Knappton 46 17 N 123 49 W

South Bend 46 40 N 123 48 W  
 Raymond 46 41 N 123 44 W  
 Willapa Harbour 46 44 N 124 04 W  
 Cape Disappointment 46 17 N 124 03 W  
 Columbia River  
 Knappton 46 17 N 123 49 W

South Bend 46 40 N 123 48 W  
 Raymond 46 41 N 123 44 W  
 Willapa Harbour 46 44 N 124 04 W  
 Cape Disappointment 46 17 N 124 03 W  
 Columbia River  
 Knappton 46 17 N 123 49 W

South Bend 46 40 N 123 48 W  
 Raymond 46 41 N 123 44 W  
 Willapa Harbour 46 44 N 124 04 W  
 Cape Disappointment 46 17 N 124 03 W  
 Columbia River  
 Knappton 46 17 N 123 49 W

144A

144B

144C

144D

Longview 46 08 N 122 56 W

Y G C R T A

Kelso 46 09 N 122 55 W  
 Kalama 46 01 N 122 50 W

Y G A

Vancouver 45 38 N 122 40 W

P Q Y G C R B T A

OREGON (OR)

Willamette River

Portland 45 34 N 122 44 W

P Q Y G C R B D T A

Willbridge 45 34 N 122 45 W

Linnton 45 36 N 122 57 W

St. Helens 45 52 N 122 48 W

Prescott 46 03 N 122 53 W

Rainier 46 05 N 122 56 W

Wesport Range 46 08 N 123 24 W

Wauna Range 46 09 N 123 25 W

Bradwood 46 12 N 123 27 W

Astoria 46 11 N 123 50 W

Y G C R T A

Warrenton 46 10 N 123 55 W

Yaquina Bay

Newport 44 38 N 124 03 W

G C R B T A

Umpqua River

Gardiner 43 44 N 124 07 W

Reedsport 43 42 N 124 06 W

Coos River

Empire 43 24 N 124 16 W

North Bend 43 24 N 124 13 W

Coos Bay 43 23 N 124 12 W

P Y G B T A

Bandon 43 07 N 124 25 W

Cape Blanco 42 50 N 124 34 W

Port Orford 42 45 N 124 30 W

Brookings 42 02 N 124 17 W

CALIFORNIA (CA)

Crescent City 41 45 N 124 12 W

Humboldt Bay

P Y G B T A

Fairhaven 40 47 N 124 12 W

Samoa 40 49 N 124 11 W

Eureka 40 48 N 124 10 W

Cape Mendocino 40 26 N 124 25 W

Westport 39 38 N 123 47 W

Fort Bragg 39 26 N 123 49 W

Noyo 39 26 N 123 49 W

Bodega Harbour 38 20 N 123 03 W

Point Reyes 38 00 N 123 02 W

Golden Gate

Sausalito 37 51 N 122 29 W

San Pablo Bay

Mare Island 38 04 N 122 15 W

Vallejo 38 06 N 122 15 W

Benicia 38 02 N 122 09 W

Q Y G C R A

Sacramento River

Sacramento 38 32 N 121 30 W

Y G C B T A

San Joaquin River

Stockton 37 57 N 121 19 W

P Q Y G C B T A

Suisun Bay

Antioch 38 01 N 121 49 W

Pittsburg 38 01 N 121 52 W

Port Chicago 38 03 N 122 01 W

Concord 37 59 N 122 02 W

Avon 38 03 N 122 05 W

Martinez 38 01 N 122 08 W

Port Costa 38 03 N 122 11 W

Crockett 38 04 N 122 14 W

Selby 38 03 N 122 15 W

Rodeo 38 02 N 122 15 W

Oleum 38 03 N 122 16 W

Point Orient 37 57 N 122 26 W

Molate Point 37 57 N 122 25 W

145A

Richmond 37 55 N 122 23 W

P Q Y G C R B D T A

Berkeley 37 52 N 122 19 W

San Francisco Bay

Oakland 37 48 N 122 17 W

G C R B T A

Alameda 37 46 N 122 19 W

Redwood City 37 30 N 122 13 W

P Q Y G A

San Francisco 37 48 N 122 25 W

Q Y G C R B D T A

Davenport 37 01 N 122 12 W

Santa Cruz 36 57 N 122 02 W

Moss Landing 36 48 N 121 47 W

Seaside 36 36 N 121 52 W

Monterey 36 36 N 121 53 W

Estero Bay 35 24 N 120 53 W

Morro Bay 35 22 N 120 51 W

San Luis Obispo Bay

Port San Luis 35 10 N 120 45 W

Avila 35 10 N 120 44 W

Port Petrol 34 51 N 120 37 W

Point Conception 34 27 N 120 28 W

Gaviota 34 28 N 120 14 W

Capitan 34 28 N 120 02 W

Elwood 34 26 N 119 53 W

Santa Barbara 34 24 N 119 41 W

Carpinteria 34 26 N 119 37 W

Ventura 34 16 N 119 18 W

Port Hueneme 34 09 N 119 13 W

P Y G C R B T A

Santa Monica 34 01 N 118 30 W

Marina del Rey 33 58 N 118 26 W

El Segundo Terminal 33 54 N 118 27 W

P A

Redondo Beach 33 51 N 118 24 W

Los Angeles 33 43 N 118 16 W

P Q Y G C R B D T A

San Pedro 33 43 N 118 15 W

Wilmington 33 46 N 118 16 W

Terminal Island 33 45 N 118 15 W

Long Beach 33 45 N 118 13 W

P Q Y G C R B T A

Seal Beach 33 44 N 118 06 W

Huntington Beach Terminal

33 40 N 118 00 W

San Clemente 33 26 N 117 36 W

Santa Catalina Island

Two Harbors 33 26 N 118 30 W

Oceanside 33 12 N 117 23 W

San Diego 32 43 N 117 14 W

Q Y G C R B T A

MEXICO

Rosarito Terminal 32 21 N 117 05 W

P Q

El Sauzal 31 53 N 116 41 W

Bahia de Todos Santos

Ensenada 31 51 N 116 38 W

P Y G C T A

Black Warrior Lagoon

Venustiano Carranza 28 02 N 114 07 W

Cedros Island

Morro Redondo 28 03 N 115 11 W

Y T A

San Carlos 24 47 N 112 07 W

G A

Puerto Magdalena 24 38 N 112 09 W

Cabo San Lucas 22 50 N 109 55 W

San Jose del Cabo 23 03 N 109 40 W

Los Barriles 23 41 N 109 41 W

Punta Prieta 24 13 N 110 18 W

Pichilingue 24 18 N 110 18 W

La Paz 24 10 N 110 19 W

P G B A

146A

San Juan de la Costa 24 23 N 110 42 W

Y

Loreto 26 01 N 111 21 W

Mulege 26 53 N 111 57 W

San Marcos Island 27 11 N 112 06 W

Y

Santa Rosalia 27 20 N 112 16 W

G B A

Port Isabel 31 48 N 114 43 W

Golfo Santa Clara 31 41 N 114 29 W

Puerto Penasco 31 18 N 113 32 W

Puerto Libertad 29 54 N 112 41 W

Bahia Kino 28 49 N 111 56 W

San Carlos 27 57 N 111 02 W

Guaymas 27 54 N 110 52 W

P Y G C R B T A

Yavaros 26 42 N 109 31 W

Navojoa 27 06 N 109 26 W

Topolobampo 25 35 N 109 03 W

P Y G C R B T A

Altata 24 38 N 107 55 W

Mazatlan 23 11 N 106 26 W

P Y G C R B T A

San Blas 21 32 N 105 19 W

La Cruz de Huanacaxtle 20 45 N 105 24 W

Nuevo Vallarta 20 43 N 105 20 W

Puerto Vallarta 20 37 N 105 16 W

G R A

Cape Corrientes 20 24 N 105 43 W

Barra de Navidad 19 11 N 104 41 W

Manzanillo 19 03 N 104 20 W

P Q Y G C B D T A

Lazaro Cardenas 17 55 N 102 11 W

P Q Y G C B T A

Ixtapa 17 39 N 101 38 W

Zihuatanejo 17 39 N 101 33 W

Acapulco 16 50 N 99 55 W

P G C B A

Escondido 15 50 W 97 05 W

Huatulco 15 45 N 96 08 W

Puerto Angel 15 39 N 96 31 W

Salina Cruz 16 10 N 95 11 W

P Q Y G C B D T A

Ventosa Bay 16 10 N 95 10 W

Puerto Chiapas (Puerto Madero)

14 42 N 92 27 W

P Y G C T A

GUATEMALA

Ocos 14 30 N 92 12 W

Champerico 14 18 N 91 56 W

San Jose 13 55 N 90 50 W

Puerto Quetzal 13 55 N 90 47 W

Q Y G C R B T A

EL SALVADOR

Acajutla 13 36 N 89 50 W

P Q Y G C R B T

La Libertad 13 29 N 89 19 W

La Union 13 20 N 87 50 W

Cutuco 13 19 N 87 49 W

P Q Y G

HONDURAS

Amapala 13 18 N 87 39 W

Bahia San Lorenzo

San Lorenzo 13 25 N 87 27 W

P Q Y G C R T

Henecan 13 24 N 87 25 W

Salamar 13 24 N 87 26 W

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147B

147C

147D

145B

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145D

146B

146C

146D

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**NICARAGUA**

Corinto 12 28 N 87 11 W  
 PYQGCRT  
 Puerto Sandino 12 11 N 86 47 W  
 PYGA  
 Masachapa 11 46 N 86 32 W  
 San Juan del Sur 11 15 N 85 53 W  
 GB

**COSTA RICA**

Golfo de Nicoya  
 Punta Morales 10 00 N 84 58 W  
 Puntarenas 9 59 N 84 51 W  
 PGBA  
 Caldera 9 54 N 84 44 W  
 PYGCRTA  
 Isla Herradura 9 38 N 84 41 W  
 Quepos 9 24 N 84 10 W  
 Punta Dominical 9 15 N 83 51 W  
 Golfo Dulce  
 Bahia del Rincon 8 43 N 83 29 W  
 Golfito 8 38 N 83 11 W  
 PGA

Cocos Island  
 Wafer Bay 5 33 N 87 03 W

**PANAMA**

Armuelles 8 16 N 82 52 W  
 GA  
 Charco Azul 8 13 N 82 52 W  
 PB  
 Pedregal 8 21 N 82 26 W  
 YBA  
 Parida Island 8 06 N 82 22 W  
 Coiba Island 7 19 N 81 35 W  
 Parita Bay  
 Aguadulce 8 14 N 80 30 W  
 YA  
 Vacamonte 8 53 N 79 41 W  
 GB  
 Panama Canal (see Col. 166C)  
 Panama City 8 59 N 79 32 W  
 Taboguilla Island 8 49 N 79 31 W  
 Taboga Island  
 Taboga 8 47 N 79 33 W  
 La Palma 8 24 N 78 08 W  
 Darien 8 22 N 78 03 W

**COLOMBIA**

Bahia Solano 6 14 N 77 25 W  
 Cape Corrientes 5 29 N 77 32 W  
 Togoroma 4 22 N 77 23 W  
 Punta Charambira 4 17 N 77 29 W  
 Buenaventura 3 54 N 77 05 W  
 YGCBTA  
 El Charco 3 27 N 77 19 W  
 Timbiqui 2 43 N 77 45 W  
 Guapi 2 34 N 77 54 W  
 Iscuande 2 33 N 78 02 W  
 Mosquera 2 29 N 78 26 W  
 Satinga 2 21 N 78 15 W  
 Salahonda 2 02 N 78 38 W  
 Pizarro 2 02 N 78 37 W  
 Tumaco 1 51 N 78 44 W  
 PGCBTATA

**ECUADOR**

San Lorenzo 1 14 N 78 50 W  
 La Tola 1 11 N 79 03 W  
 Rio Verde 1 01 N 79 32 W  
 Balao Terminal 1 02 N 79 44 W  
 PBTATA

148A

Tepre Terminal 1 01 N 79 40 W  
 P B T A  
 Esmeraldas 0 58 N 79 41 W  
 PYGCRBTATA  
 Atacames 0 53 N 79 52 W  
 Muisne 0 35 N 79 58 W  
 Galapagos Islands  
 Caleta Tagus 0 16 S 91 22 W  
 Bahia de Caraquez 0 40 S 80 30 W  
 Manta 0 56 S 80 43 W  
 YGCRBTATA  
 Machalilla 1 28 S 80 46 W  
 La Libertad 2 13 S 80 55 W  
 P B T  
 Salinas 2 10 S 80 57 W  
 Guayaquil 2 17 S 79 55 W  
 PQYGCBDTATA  
 Duran 2 12 S 79 54 W  
 Puna Island  
 Puna 2 45 S 79 54 W  
 Puerto Bolivar 3 16 S 80 01 W  
 G C T A

148B

**PERU**

Zorritos 3 40 S 80 39 W  
 Mancora 4 05 S 81 05 W  
 Los Organos 4 10 S 81 08 W  
 Cabo Blanco 4 16 S 81 15 W  
 Punta Lobitos 4 27 S 81 16 W  
 Y T  
 Talara 4 34 S 81 17 W  
 PYGBTATA  
 Negritos 4 39 S 81 19 W  
 Paíta 5 05 S 81 07 W  
 PYGCTATA  
 Puerto Bayovar 5 47 S 81 03 W  
 P T  
 Lobos de Tierra Island 6 28 S 80 50 W  
 Pimentel 6 49 S 79 56 W  
 Eten 6 56 S 79 52 W  
 Pacasmayo 7 24 S 79 36 W  
 Chicama 7 42 S 79 25 W  
 Huanchaco 8 02 S 79 10 W  
 Trujillo 8 08 S 79 05 W  
 Salaverry 8 14 S 79 00 W  
 PQYGCCTATA  
 Guanape Islands 8 35 S 78 56 W  
 Coisco 9 01 S 78 37 W  
 Chimbote 9 05 S 78 38 W  
 PYGCDTATA

148C

Samanco Bay  
 Vesique 9 13 S 78 29 W  
 Casma 9 28 S 78 23 W  
 Huarmey 10 05 S 78 09 W  
 Paramonga 10 42 S 77 50 W  
 Supe 10 50 S 77 44 W  
 G

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148D

Huacho 11 08 S 77 37 W  
 Mazorca Island 11 24 S 77 44 W  
 Chancay 11 36 S 77 17 W  
 Ancon 11 47 S 77 11 W  
 Pescadores Islands 11 47 S 77 15 W  
 La Pampilla 11 56 S 77 11 W  
 P  
 Oquendo 11 58 S 77 07 W  
 Callao 12 03 S 77 09 W  
 PYGCRBDTATA  
 Conchan 12 15 S 76 56 W  
 P Y T  
 Mala 12 44 S 76 39 W  
 Cerro Azul 13 03 S 76 31 W  
 Tambo de Mora 13 29 S 76 12 W  
 Chincha Islands 13 42 S 76 32 W  
 Pisco 13 43 S 76 15 W

149A

General San Martin 13 50 S 76 16 W  
 YGCTATA  
 San Nicolas 15 14 S 75 14 W  
 PYGBTATA  
 San Juan 15 21 S 75 11 W  
 Acari 15 25 S 74 37 W  
 Lomas 15 33 S 74 51 W  
 Chala 15 51 S 74 15 W  
 Atico 16 13 S 73 43 W  
 Matarani 16 59 S 72 07 W  
 PQYGCRTATA  
 Mollendo 17 01 S 72 02 W  
 P B T  
 Ilo 17 38 S 71 21 W  
 PYGCRBTATA

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**CHILE**

Arica 18 29 S 70 20 W  
 PYGCTATA  
 Pisagua 19 33 S 70 14 W  
 Junin 19 36 S 70 14 W  
 Iquique 20 12 S 70 10 W  
 PQYGCBTATA  
 Caleta Toyos 20 28 S 70 12 W  
 Caleta Patillos 20 45 S 70 12 W  
 YA  
 Caleta Patache 20 48 S 70 12 W  
 Pabellon de Pica 20 58 S 70 10 W  
 Lobos 21 05 S 70 13 W  
 Guanillo 21 18 S 70 09 W  
 Tocopilla 22 05 S 70 14 W  
 PYGTA  
 Gatico 22 30 S 70 16 W  
 Caleta Michilla 22 44 S 70 16 W  
 Mejillones 23 06 S 70 28 W  
 YA

149B

Antofagasta 23 38 S 70 26 W  
 PQYGCRTATA  
 Caleta Coloso 23 45 S 70 28 W  
 Taltal 25 24 S 70 29 W  
 Chanaral 26 21 S 70 38 W  
 PYGCTATA  
 Caleta Barquito 26 21 S 70 39 W  
 Caldera 27 04 S 70 53 W  
 PYGTA

149C

Calderilla 27 05 S 70 52 W  
 Easter Island (Isle de Pascua)  
 Vinapu Terminal 27 11 S 109 24 W  
 Hanga Roa 27 09 S 109 25 W  
 Carrizal Bajo 28 04 S 71 11 W  
 Huasco 28 27 S 71 14 W  
 PQYBTA

Cruz Grande 29 27 S 71 20 W  
 La Serena 29 50 S 71 15 W  
 Coquimbo 29 57 S 71 21 W  
 YGCRATA

149D

Guayacan 29 58 S 71 22 W  
 PQYBATA  
 Punta Chungo 31 53 S 71 31 W  
 Los Vilos 31 55 S 71 30 W  
 Puerto Papudo 32 30 S 71 27 W  
 Puerto Ventanas 32 45 S 71 30 W  
 PYGCRBATA  
 Quintero 32 46 S 71 30 W  
 PQYGB  
 Las Salinas 33 01 S 71 34 W  
 Valparaiso 33 01 S 71 38 W  
 PQYGCRTBDTATA  
 San Antonio 33 36 S 71 37 W  
 PQYGCRTATA  
 Matanzas 33 59 S 71 54 W  
 Tome 36 37 S 72 57 W

150A

150B

150C

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150D

P Petroleum Q Other Liquid Bulk Y Dry Bulk G General Cargo  
 C Containers R Ro-Ro B Bunkers D Dry Dock T Towing  
 A Airport (within 100km)

# GEOGRAPHIC INDEX

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Lirquen 36 43 S 72 59 W

Y G C B A

Penco 36 43 S 73 00 W

Talcahuano 36 41 S 73 06 W

P Q Y G C R B D T A

San Vicente 36 44 S 73 09 W

P Q Y G C B A

Coronel 37 02 S 73 10 W

Y G C B A

Lota 37 06 S 73 10 W

Lebu 37 37 S 73 40 W

Corral 39 52 S 73 25 W

Y G T A

Valdivia 39 48 S 73 14 W

Bahia Mansa 40 34 S 73 45 W

Calbuco 41 45 S 73 09 W

Puerto Montt 41 28 S 72 57 W

P Y G C R B T A

Chiloe Island

Ancud 41 52 S 73 50 W

Puerto Quemchi 42 08 S 73 28 W

Castro 42 29 S 73 46 W

G R A

Leutepo 42 57 S 73 35 W

Puerto Quellon 43 09 S 73 37 W

Puerto Carmen 43 09 S 73 46 W

Ascension Island

Puerto Melinka 43 54 S 73 44 W

Chacabuco 45 28 S 72 50 W

P Y G C R B A

Puerto Eden 49 09 S 74 27 W

Guarello 50 21 S 75 20 W

Y

Puerto Bories 51 41 S 72 31 W

Puerto Natales 51 43 S 72 31 W

G R A

Strait of Magellan

Desolation Island

Cape Pilar 52 43 S 74 41 W

Punta Arenas 53 10 S 70 54 W

P Q Y G C R B T A

Rio Seco 53 04 S 70 51 W

Cabo Negro 52 57 S 70 47 W

Q

Puerto Percy 52 55 S 70 17 W

Q B

Caleta Clarenca 52 54 S 70 09 W

P T

Porvenir 53 17 S 70 22 W

Gregorio Bay

Gregorio 52 38 S 70 11 W

P

Punta Dungeness 52 24 S 68 26 W

Stewart Island 54 50 S 71 30 W

Navarino Island

Puerto Williams 54 56 S 67 37 W

P B A

Cape Horn 55 59 S 67 16 W

## ANTARCTICA

Commonwealth Bay 67 00 S 142 00 E

Dumont d'Urville (France) 66 40 S 140 01 E

Casey (Australia) 66 17 S 110 32 E

Bowman Island 65 30 S 103 25 E

Davis (Australia) 68 35 S 77 58 E

Mawson (Australia) 67 36 S 62 52 E

Casey Bay 67 30 S 46 00 E

## FRENCH ANTARCTIC TERRITORY

St. Paul Island 38 43 S 77 31 E

Amsterdam Island 37 51 S 77 32 E

Kerguelen Island

Port aux Francais 49 21 S 70 12 E

Crozet Islands 46 20 S 51 30 E

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151B

151C

151D

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## BRITISH ANTARCTIC TERRITORY

South Orkney Islands

Laurie Island

Scotia Bay 60 43 S 44 38 W

South Shetland Islands

Deception Island

Port Foster 63 00 S 60 34 W

## FALKLAND ISLANDS and Dependencies (United Kingdom)

South Georgia

Leith Harbour 54 08 S 36 41 W

King Edward Cove

Grytviken 54 17 S 36 30 W

Falkland Islands

Stanley Harbour 51 41 S 57 50 W

G C R B A

Port William 51 41 S 57 45 W

East Cove 51 52 N 58 10 W

Mare Harbour 51 55 S 58 28 W

Darwin 51 50 S 58 56 W

Ajax Bay 51 33 S 59 06 W

## ARGENTINA

Ushuaia 54 49 S 68 17 W

P Y G C R B T A

Rio Grande 53 48 S 67 40 W

San Sebastian Terminal 53 19 S 68 16 W

P G

Rio Cullen Terminal 52 48 S 68 13 W

P

Cape Virgenes 52 20 S 68 21 W

Punta Loyola 51 36 S 69 01 W

Rio Gallegos 51 37 S 69 10 W

P Y G B A

Punta Quilla 50 08 S 68 22 W

P G B A

Santa Cruz 50 08 S 68 23 W

San Julian 49 15 S 67 40 W

Puerto Deseado 47 45 S 65 54 W

G C B A

Caleta Paula 46 27 S 67 31 W

G

Caleta Olivia 46 26 S 67 31 W

Comodoro Rivadavia 45 52 S 67 28 W

P G C B T A

Caleta Olivares 45 46 S 67 22 W

Caleta Cordova 45 43 S 67 21 W

Camarones 44 27 S 65 42 W

Golfo Nuevo

Puerto Madryn 42 46 S 65 03 W

Y G C B A

Golfo San Matias

Punta Colorada 41 42 S 65 02 W

Y G

San Antonio Este 40 49 S 64 54 W

G C B T A

Bahia Blanca

P Q Y G B D T A

Puerto Galvan 38 47 S 62 18 W

Puerto Nacional 38 47 S 62 17 W

Ingeniero White 38 48 S 62 16 W

Puerto Belgrano 38 54 S 62 06 W

Puerto Rosales 38 55 S 62 04 W

Punta Ciguena 38 57 S 62 03 W

Punta Ancla 38 57 S 62 02 W

Necochea 38 34 S 58 42 W

P Q Y G T A

Quequen 38 34 S 58 44 W

Mar del Plata 38 01 S 57 32 W

Q Y G C R B T A

Cape San Antonio 36 19 S 56 46 W

River Plate

Puerto Santiago 34 51 S 57 53 W

Ensenada 34 52 S 57 54 W

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La Plata 34 50 S 57 52 W

P Q Y G B T A

Buenos Aires 34 36 S 58 22 W

P Q Y G C R B D T A

San Fernando 34 27 S 58 32 W

River Parana

Escobar 34 21 S 58 46 W

Campana 34 15 S 58 58 W

P Y G R B T

Zarate 34 05 S 59 01 W

P Q Y G C R

Atucha 33 59 S 59 17 W

G

Lima 33 58 S 59 11 W

G

San Pedro 33 42 S 59 39 W

Y G B

Puerto Obligado 33 38 S 59 48 W

Ramallo 33 32 S 59 59 W

P Y G

San Nicolas 33 20 S 60 13 W

Y G B T A

Puerto Acevedo 33 18 S 60 15 W

Villa Constitucion 33 15 S 60 17 W

Y G B T A

Arroyo Seco 33 08 S 60 26 W

P Y B

General Lagos 33 05 S 60 34 W

Rosario 32 57 S 60 38 W

Q Y G B A

Puerto Borghi 32 48 S 60 37 W

San Lorenzo 32 45 S 60 38 W

P Q Y G B A

San Martin 32 43 S 60 38 W

River Carcarana

Gaboto 32 26 S 60 49 W

Diamante 32 04 S 60 39 W

Y G A

Bajada Grande 31 43 S 60 29 W

Parana 31 44 S 60 27 W

Santa Fe 31 39 S 60 42 W

P Q Y G C T A

River Colastine

Colastine 31 37 S 60 28 W

La Paz 30 45 S 59 39 W

Barranqueras 27 29 S 58 54 W

Y G C A

Puerto Vilelas 27 29 S 58 52 W

Corrientes 27 29 S 58 50 W

## PARAGUAY

River Paraguay

Villa Oliva 26 00 S 57 43 W

Puerto Villeta 25 30 S 57 36 W

Y G

Villa Elisa (Medin) 25 26 S 57 36 W

Guyrati Pass 25 26 S 57 38 W

San Antonio 25 25 S 57 34 W

Y G A

Asuncion 25 16 S 57 41 W

P Q Y G C B D T A

Concepcion 23 20 S 57 35 W

Ladario (Brazil) 19 03 S 57 44 W

Porto Peixinho (Brazil) 19 01 S 57 45 W

Corumba (Brazil) 19 00 S 57 45 W

## ARGENTINA

River Ibicuy

Ibicuy 33 45 S 59 11 W

Y G B

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ARGENTINA *continued*

## River Uruguay

Guaaleguaychu 33 00 S 58 30 W  
 Concepcion del Uruguay  
 32 29 S 58 14 W

P Y G B T A

Colon 32 13 S 58 07 W  
 Concordia 31 24 S 57 57 W

## URUGUAY

Salto 31 21 S 57 56 W  
 Paysandu 32 18 S 58 02 W

Y G T

Fray Bentos 33 06 S 58 19 W

Y G A

M'bopicia 33 07 S 58 15 W

Y

Nueva Palmira 33 53 S 58 25 W

Y G A

Puerto de Carmelo 34 01 S 58 18 W  
River Plate

Martin Garcia 34 11 S 58 15 W  
 Colonia 34 28 S 57 51 W

G R

Sauce 34 27 S 57 26 W  
 Montevideo 34 54 S 56 16 W

P Q Y G C B D T A

Piriapolis 34 52 S 55 16 W  
Maldonado 34 57 S 54 57 W  
Jose Ignacio Terminal 34 57 S 54 42 W

P A

## Punta del Este 34 58 S 54 57 W

G B A

## La Paloma 34 39 S 54 09 W

## BRAZIL

## Rio Grande 32 10 S 52 05 W

P Q Y G C B T

## Lagoa dos Patos

Rio Sao Goncalo  
 Pelotas 31 45 S 52 15 W

G A

## River Guaiba

Porto Alegre 30 02 S 51 13 W

P Q Y G C B T A

## River Jacui

Santa Clara 29 54 S 51 22 W

Q Y B A

## Tramandai 30 00 S 50 05 W

P

## Porto Laguna 28 30 S 48 45 W

## Imbituba 28 17 S 48 40 W

P Q Y G C R B T A

## Florianopolis 27 36 S 48 34 W

## Porto Belo 27 10 S 48 33 W

## Itajai 26 55 S 48 38 W

P Q G C R B T A

## Sao Francisco do Sul 26 14 S 48 38 W

P Y G B T A

## Paranagua 25 30 S 48 31 W

P Q Y G C R B T A

## Barao de Teffe (Antonina) 25 26 S 48 32 W

## Santos 23 56 S 46 20 W

P Q Y G C R B D T A

## Barnabe Island 23 55 S 46 20 W

## Guaruja 24 00 S 46 22 W

## Sao Sebastiao 23 48 S 45 23 W

P Y G B T A

## Ilha Grande Bay

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Angra dos Reis 23 01 S 44 19 W

Y G R T

Gebig 23 03 S 44 14 W

P B T

Mangaratiba 22 54 S 44 03 W

## Sepetiba Bay

Guaiba Island 23 01 S 44 02 W

Sepetiba 22 56 S 43 50 W

Y G C R T A

Rio de Janeiro 22 55 S 43 12 W

P Q Y G C R B D T

Niteroi 22 53 S 43 07 W

Arraial do Cabo 22 58 S 42 02 W

Forno 22 58 S 42 01 W

Y G A

Cabo Frio 23 01 S 42 00 W

Buzios 22 45 S 41 54 W

Campos 21 42 S 41 20 W

Ponta do Ubu 20 47 S 40 35 W

Y G B T A

Vitoria 20 18 S 40 20 W

P Y G C R B T A

Tubarao 20 17 S 40 15 W

P Y G B T A

Praia Mole 20 17 S 40 14 W

Y A

Portocel (Barra do Riacho) 19 51 S 40 03 W

Y G T A

Lagoa Parda Terminal 19 42 S 39 50 W

P

Abrolhos Islands 17 58 S 38 41 W

Caravellas 17 41 S 39 08 W

Cumuruxatiba 17 06 S 39 11 W

Porto Seguro 16 27 S 39 04 W

Ilheus 14 47 S 39 02 W

P Q Y G C R B T A

Camamu 13 57 S 39 07 W

## Bay of Todos os Santos

Campinho 12 53 S 39 00 W

Sao Roque 12 51 S 38 51 W

Madre de Deus 12 45 S 38 37 W

P Q T B A

Aratu 12 47 S 38 29 W

P Q Y T A

Salvador 12 58 S 38 31 W

P Y G C R B T A

Aracaju 10 55 S 37 03 W

P G B A

Barra dos Coqueiros 10 53 S 37 03 W

Sao Francisco do Norte River

Neopolis 10 19 S 36 34 W

Maceio 9 40 S 35 44 W

P Q Y G B T A

Suape 8 24 S 34 57 W

P Q G C R T

Recife 8 04 S 34 52 W

P Q Y G C R B T A

Cabedelo 6 58 S 34 51 W

P Y G C R T

Natal 5 47 S 35 11 W

P Q Y G C B A

Macau 5 06 S 36 38 W

Salineiro Terminal 4 49 S 37 02 W

Y T

Areia Branca 4 57 S 37 08 W

Guamare Terminal 4 52 S 36 21 W

P

Aracati 4 25 S 37 45 W

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Fernando Noronha Island 3 48 S 32 23 W

Mucuripe 3 42 S 38 28 W

Fortaleza 3 41 S 38 29 W

P Q Y G C R B T A

Pecem 3 33 S 38 49 W

P Q Y G C

Camocim 2 51 S 40 53 W

Luiz Correia 2 53 S 41 39 W

Parnaiba 2 56 S 41 47 W

Tutoia Bay

Tutoia 2 46 S 42 16 W

Sao Luiz de Maranhao 2 30 S 44 18 W

Ponta da Madeira 2 34 S 44 23 W

Y T A

Itaqui 2 34 S 44 21 W

P Q Y G C R B T A

Alumar 2 41 S 44 22 W

Y B T A

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Salinopolis 0 37 S 47 21 W

## River Para

Icoraci 1 18 S 48 30 W

Miramar 1 24 S 48 29 W

P Q B A

Belem 1 27 S 48 30 W

P Q Y G C R B D T A

## River Moju

Moju 1 52 S 48 45 W

Barcarena 1 29 S 48 40 W

Vila do Conde 1 33 S 48 45 W

Y G A

Capim Island 1 33 S 48 52 W

## Os Estreitos

Breves 1 41 S 50 30 W

Portel 1 58 S 50 45 W

## River Amazon

Afua 0 10 S 50 22 W

Macapa 0 02 N 51 03 W

P Y G R A

Fazendinha 0 04 N 51 07 W

Santana 0 03 N 51 11 W

## River Jari

Munguba 1 05 S 52 23 W

Y G A

Santarem 2 25 S 54 42 W

Y G A

## River Tapajos

Alter do Chao 2 31 S 54 57 W

Itaituba 4 15 S 55 56 W

Obidos 1 45 S 55 30 W

## River Trombetas

Trombetas 1 28 S 56 23 W

Y G T A

Parintins 2 36 S 56 44 W

Itacoatiara 3 09 S 58 27 W

## River Madeira

Porto Velho 8 37 S 63 43 W

Xiborena 3 10 S 59 55 W

Manaus 3 09 S 60 01 W

P Q Y G C R B T A

Coari 4 08 S 63 07 W

Benjamin Constant 4 23 S 69 59 W

Tabatinga 4 14 S 69 56 W

Leticia (Colombia) 4 12 S 69 56 W

Iquitos (Peru) 3 43 S 73 11 W

Y G C R B D A

## River Ucayali

Pucallpa (Peru) 8 22 S 74 32 W

## FRENCH GUIANA (France)

## River Mahury

Degrad des Cannes 4 51 N 52 16 W

P Q Y G C R B A

Fourgassie 4 35 N 52 21 W

Cayenne 4 56 N 52 20 W

Larivot 4 54 N 52 22 W

Iles du Salut 5 17 N 52 36 W

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River Kourou  
 Pariacabo 5 09 N 52 40 W  
 Kourou 5 09 N 52 40 W  
 Maroni River  
 St. Laurent 5 30 N 54 02 W

**SURINAME**

Cottica River  
 Moengo 5 38 N 54 24 W  
 Suriname River  
 Belwaarde 5 51 N 55 05 W  
 Paramaribo 5 50 N 55 10 W  
 P Q Y G C B D A  
 Smalkalden 5 37 N 55 05 W  
 Paranam 5 36 N 55 05 W  
 Y G C B T A

Nickerie River  
 Nieuw Nickerie 5 57 N 57 00 W  
 P G B A  
 Wageningen 5 46 N 56 41 W  
 Corentyn River  
 Apoera 5 11 N 57 11 W

**GUYANA**

Skeldon 5 52 N 57 08 W  
 River Berbice  
 New Amsterdam 6 15 N 57 31 W  
 P Y G  
 Everton 6 11 N 57 31 W  
 Demerara River  
 Georgetown 6 49 N 58 11 W  
 P Y G C B D A

Linden 6 01 N 58 18 W  
 Adventure 7 05 N 58 29 W  
 Essequibo River  
 Bartica 6 24 N 58 38 W  
 Pomeroon River  
 Charity 7 24 N 58 35 W  
 Pickersgill 7 16 N 58 42 W  
 River Kaituma  
 Port Kaituma 8 28 N 59 52 W

**VENEZUELA**

River Orinoco  
 Punta Barima 8 36 N 60 25 W  
 Curiapo 8 33 N 61 05 W  
 Paradero 8 24 N 62 38 W  
 P  
 San Felix 8 22 N 62 40 W  
 Y G B  
 Palua 8 22 N 62 42 W  
 Y G B T A  
 Puerto Ordaz 8 21 N 62 43 W  
 Y G B T A  
 Punta Cuchillo 8 19 N 62 49 W  
 P B T A  
 Matanzas 8 17 N 62 51 W  
 Y G B T A  
 Ciudad Bolivar 8 08 N 63 33 W  
 G  
 Cabruta 7 40 N 66 16 W  
 Puerto Carreno (Colombia)  
 6 10 N 67 29 W  
 River Inirida (Colombia)  
 Puerto Inirida (Colombia)  
 3 51 N 67 51 W  
 Puerto Nuevo (Colombia)  
 3 35 N 69 34 W  
 Boca Grande Terminal 9 57 N 61 35 W  
 Gulf of Paria  
 Pedernales 9 58 N 62 15 W  
 River San Juan  
 Guanoco 10 09 N 62 56 W  
 Caripito 10 09 N 63 02 W  
 P G B A  
 Guiria 10 34 N 62 18 W

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Puerto de Hierro 10 38 N 62 06 W  
 Y G A  
 Carupano 10 41 N 63 15 W  
 G

Margarita Island  
 San Juan Griego 11 05 N 63 59 W  
 Pampatar 11 00 N 63 47 W  
 Porlamar 10 57 N 63 51 W  
 El Guamache 10 52 N 64 04 W  
 P Q G C R A

Los Hermanos Islands 11 45 N 66 28 W  
 Araya 10 34 N 64 15 W  
 Y G

Puerto Sucre 10 28 N 64 12 W  
 Cumana 10 28 N 64 11 W  
 Y G R B A

Mochima 10 21 N 64 20 W  
 Manare 10 25 N 64 21 W  
 Pertigalete Bay  
 Pertigalete 10 15 N 64 33 W  
 Pamatacual 10 14 N 64 34 W  
 Pamatacualito 10 14 N 64 35 W  
 Guanta 10 15 N 64 36 W  
 Y G C R B

El Chaure 10 15 N 64 37 W  
 Guaraguao 10 14 N 64 38 W  
 Puerto la Cruz 10 13 N 64 38 W  
 P Q G B T A

Bergantin 10 15 N 64 39 W  
 Barcelona 10 08 N 64 42 W  
 Puerto Jose 10 06 N 64 51 W  
 P Y C

Piritu 10 05 N 65 04 W  
 Tortuga Island 10 54 N 65 20 W  
 Puerto Carenero 10 32 N 66 07 W  
 La Guaira 10 36 N 66 56 W  
 P Y G C R B T A

Catia la Mar 10 36 N 67 02 W  
 Turiamo 10 29 N 67 51 W  
 Borburata 10 29 N 67 55 W  
 Puerto Cabello 10 29 N 68 00 W  
 Y G C R B D T A

El Palito 10 29 N 68 07 W  
 P Q

Moron 10 31 N 68 10 W  
 Tucacas 10 48 N 68 19 W  
 Chichiriviche 10 55 N 68 16 W  
 Y

Tucupido 11 31 N 69 20 W  
 Cumarebo 11 30 N 69 21 W  
 Y G

La Vela de Coro 11 28 N 69 34 W  
 Paraguana Peninsula  
 Los Taques 11 50 N 70 16 W  
 Amuay Bay 11 46 N 70 15 W  
 P Q Y G B T A

Las Piedras 11 43 N 70 13 W  
 P T A  
 Punto Fijo 11 41 N 70 16 W  
 Guaranao Bay 11 40 N 70 13 W  
 G C T

Punta Botija 11 37 N 70 14 W  
 Punta Cardon 11 36 N 70 15 W  
 P Q G B T A

Punta Codore 11 21 N 70 16 W  
 Lake Maracaibo  
 Punta Gorda 10 46 N 71 34 W  
 Puerto Miranda 10 46 N 71 36 W  
 P Q B T

El Tablazo 10 45 N 71 32 W  
 Q Y G C B T A  
 La Estacada 10 43 N 71 32 W  
 Punta Camacho 10 33 N 71 32 W  
 Punta Icotea 10 24 N 71 29 W

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Cabimas 10 22 N 71 29 W  
 La Salina 10 22 N 71 28 W  
 P Q B T A  
 Tia Juana 10 15 N 71 22 W  
 Las Morochas 10 13 N 71 20 W  
 Lagunillas 10 07 N 71 16 W  
 Bachaquero 9 57 N 71 08 W  
 San Lorenzo 9 47 N 71 04 W  
 La Ceiba 9 28 N 71 04 W  
 Q Y G

Coloncha 9 12 N 71 45 W  
 Punta Palmas 10 27 N 71 38 W  
 P B T A

Bajo Grande 10 31 N 71 36 W  
 P Q B T A

Punta Piedras 10 34 N 71 36 W  
 San Francisco 10 36 N 71 39 W  
 Maracaibo 10 39 N 71 36 W  
 P Q Y G C R B T A

**COLOMBIA**

Puerto Bolivar 12 16 N 71 57 W  
 P Y G C R T

Rio Hacha 11 33 N 72 55 W  
 Santa Marta 11 15 N 74 13 W  
 Y G C R B T A

Pozos Colorados Terminal 11 09 N 74 15 W  
 P A

Puerto Zuniga (Puerto Prodeco)  
 11 09 N 74 13 W  
 Y T A

Puerto Drummond 11 07 N 74 16 W  
 Cienaga 11 01 N 74 15 W  
 Magdalena River  
 Barranquilla 10 58 N 74 47 W  
 P Y G C R B T A

Puerto Colombia 11 00 N 74 58 W  
 Savanilla 11 00 N 74 58 W  
 Cartagena 10 25 N 75 32 W  
 P Q Y G C R B D T A

Mamonal 10 19 N 75 31 W  
 P B D T

Tolu 9 16 N 75 35 W  
 Covenas 9 25 N 75 41 W  
 P T A

Puerto Cispata 9 24 N 75 47 W  
 Turbo 8 04 N 76 44 W  
 G A

Titumate 8 18 N 77 04 W  
 Trigana 8 23 N 77 06 W  
 Acandi 8 32 N 77 20 W  
 Capurgana 8 38 N 77 21 W  
 Zapzurro 8 39 N 77 21 W

**ARUBA (Netherlands)**

Druif 12 32 N 70 04 W  
 Oranjestad 12 31 N 70 00 W  
 G C R B T A

Barcadera 12 29 N 70 00 W  
 Y G R B T A

San Nicolas Bay 12 26 N 69 55 W  
 P Q Y G B T A

**NETHERLANDS ANTILLES (Netherlands)**

Curacao Island  
 Bullen Bay 12 11 N 69 01 W  
 P Q G B T A

St. Michiel's Bay 12 09 N 69 01 W  
 P

St. Anna Bay 12 07 N 68 57 W

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**NETHERLANDS ANTILLES** *continued*

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Willemstad 12 07 N 68 56 W  
 [P][Q][Y][G][C][R][B][D][T][A]  
 Schottegat  
 Emmastad 12 08 N 68 56 W  
 Caracas Bay 12 04 N 68 52 W  
 [P][A]  
 Fuik Bay 12 03 N 68 50 W  
 [Y][G][A]  
 Bonaire Island  
 Goto 12 13 N 68 23 W  
 Kralendijk 12 09 N 68 17 W  
 [Y][G][C][R][B][T][A]  
 Salina 12 05 N 68 17 W

**TRINIDAD AND TOBAGO**

Trinidad  
 Point Fortin 10 11 N 61 41 W  
 [Q][B][A]  
 Brighton 10 15 N 61 38 W  
 [P][Y][B][T]  
 San Fernando 10 17 N 61 28 W  
 Pointe a Pierre 10 19 N 61 28 W  
 [P][Q][G][B][T][A]  
 Claxton Bay 10 21 N 61 28 W  
 Point Lisas 10 24 N 61 30 W  
 [P][Q][Y][G][C][R][B][T]  
 Port of Spain 10 39 N 61 31 W  
 [G][C][R][B][T][A]  
 Tembladora 10 41 N 61 36 W  
 [Y][G][B][T][A]  
 Carenage Bay 10 40 N 61 37 W  
 Cronstadt Island 10 39 N 61 38 W  
 Chaguaramas Bay  
 Chaguaramas 10 40 N 61 39 W  
 [Y][B][A]  
 Galeota Point Terminal 10 08 N 61 00 W  
 [P][A]  
 Tobago  
 Scarborough 11 11 N 60 44 W  
 [P][G][R][B][A]  
 Sandy Point 11 08 N 60 52 W  
 Crown Point 11 09 N 60 51 W  
 Pigeon Point 11 10 N 60 50 W  
 Plymouth 11 13 N 60 46 W  
 Charlotteville 11 18 N 60 33 W

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**GRENADA**

St. George's 12 03 N 61 45 W  
 [P][Q][Y][G][C][B][A]

**ST. VINCENT and the GRENADINES**

Mayreau Island 12 40 N 61 22 W  
 Kingstown 13 09 N 61 14 W  
 [P][Q][Y][G][C][R][B][A]  
 Arnos Vale 13 07 N 61 12 W  
 Georgetown 13 14 N 61 10 W  
 Bequia Island 13 00 N 61 14 W

160D

**BARBADOS**

Bridgetown 13 06 N 59 36 W  
 [P][Q][Y][G][C][B][D][T][A]  
 Speightstown 13 17 N 59 37 W

**ST. LUCIA**

Vieux Fort 13 44 N 60 57 W  
 [P][Q][Y][G][C][R][B][A]  
 Soufriere 13 53 N 61 04 W  
 Port Marigot 13 58 N 61 02 N

Cul de Sac 13 59 N 61 02 W

[P][Q][G][B][A]  
 Castries 14 01 N 61 00 W  
 [Y][G][C][R][B][T][A]

**MARTINIQUE (France)**

Fort de France 14 36 N 61 04 W  
 [P][Q][Y][G][C][R][B][D][A]  
 St. Pierre 14 44 N 61 11 W  
 La Trinite 14 48 N 61 00 W

**DOMINICA**

Roseau 15 17 N 61 24 W  
 [P][Q][G][C][R][B][A]  
 Portsmouth 15 32 N 61 29 W

**GUADELOUPE (France)**

Marie Galante  
 Grand Bourg 15 53 N 61 19 W  
 Basse Terre  
 Basse Terre 16 02 N 61 45 W  
 [G][C][T]  
 Grande Terre  
 Pointe a Pitre 16 13 N 61 32 W  
 [P][Y][G][C][R][A]

**MONTserrat (United Kingdom)**

Plymouth 16 42 N 62 13 W  
 [G][C][R][A]

**ANTIGUA and BARBUDA**

Antigua  
 St. John's 17 07 N 61 52 W  
 [P][Y][G][C][R][B][T][A]  
 Barbuda 17 38 N 61 49 W

**ST. KITTS-NEVIS**

St. Kitts (St. Christopher)  
 Basseterre 17 18 N 62 43 W  
 [P][Y][G][C][R][B][A]  
 Nevis  
 Charlestown 17 08 N 62 37 W

**NETHERLANDS ANTILLES (Netherlands)**

St. Eustatius 17 29 N 62 59 W  
 [B][T][A]  
 Saba 17 38 N 62 14 W  
 St. Barthelemy (France)  
 Gustavia 17 55 N 62 50 W  
 [Y][G][C][R][A]  
 St. Maarten/St. Martin (Netherlands/  
 France)  
 Grootte Bay (Netherlands)  
 Philipsburg 18 02 N 63 03 W  
 [G][C][R][B][A][D]  
 Marigot (France) 18 04 N 63 06 W  
 [G][C][R][A]

**ANGUILLA (United Kingdom)**

Anguilla  
 Blowing Point 18 10 N 63 05 W  
 Road Bay 18 11 N 63 01 W  
 Sombrero 18 36 N 63 28 W

**BRITISH VIRGIN ISLANDS (United Kingdom)**

Tortola  
 [P][G][C][R][B][A]  
 Road Harbour 18 25 N 64 37 W

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**U.S. VIRGIN ISLANDS (United States of America)** 162A

St. John 18 21 N 64 40 W  
 [G][R]  
 St. Thomas 18 23 N 64 56 W  
 [G][R][T][A]  
 St. Croix  
 Christiansted 17 46 N 64 41 W  
 [G][C][R][B][T][A]  
 Frederiksted 17 43 N 64 53 W  
 [G][C][R][B][T][A]  
 Krause Lagoon  
 Port Alucroix 17 42 N 64 46 W  
 [P][Y][T]  
 Limetree Bay 17 42 N 64 45 W  
 [G][C][R][B][T][A]  
 Hovensa (Hovic) 17 42 N 64 45 W  
 [P][B][T][A]

**PUERTO RICO (United States of America)** 162B

Humacao 18 10 N 65 45 W  
 Naguabo 18 12 N 65 43 W  
 Ensenada Honda 18 12 N 65 38 W  
 Vieques Sound  
 Roosevelt Roads 18 10 N 65 32 W  
 Ceiba 18 16 N 65 40 W  
 Fajardo 18 20 N 65 38 W  
 San Juan 18 28 N 66 07 W  
 [P][Y][G][C][R][B][D][T][A]  
 Arecibo 18 28 N 66 43 W  
 [Y][G]  
 Aguadilla 18 22 N 67 10 W  
 Mayaguez 18 12 N 67 09 W  
 [G][A]  
 Mona Passage  
 Mona Island 18 05 N 67 57 W  
 Guanica 17 58 N 66 55 W  
 [G][B][T]  
 Guayanilla 17 59 N 66 45 W  
 [G][B][T]  
 Tallaboa Bay 17 59 N 66 44 W  
 Ponce 17 58 N 66 39 W  
 [P][Y][G][C][R][B][T][A]

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Jobos 17 58 N 66 17 W  
 Aguirre 17 57 N 66 13 W  
 [G]  
 Las Mareas (Guayama) 17 57 N 66 08 W  
 [P][Q][G]  
 Yabucoa 18 04 N 65 48 W  
 [P][B]

**DOMINICAN REPUBLIC**

Manzanillo 19 43 N 71 45 W  
 [G][B]  
 Monte Christi 19 52 N 71 39 W  
 Cape Isabela 19 55 N 71 02 W  
 Luperon 19 53 N 70 57 W  
 Puerto Plata 19 49 N 70 42 W  
 [Y][G][C][R][B][A]  
 Bergantin 19 47 N 70 38 W  
 Sosua 19 48 N 70 29 W  
 Samana Bay  
 Samana (Santa Barbara de Samana)  
 19 12 N 69 20 W  
 Arroyo Barril (Puerto Duarte)  
 19 12 N 69 26 W  
 [Y][G][C][B]  
 Sanchez 19 14 N 69 36 W  
 Cape Engano 18 36 N 68 19 W

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P Petroleum Q Other Liquid Bulk Y Dry Bulk G General Cargo  
C Containers R Ro-Ro B Bunkers D Dry Dock T Towage  
A Airport (within 100km)

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La Romana 18 25 N 68 57 W  
Y G C T A  
San Pedro de Macoris 18 26 N 69 18 W  
Y G B A  
Andres Bay  
Andres 18 24 N 69 38 W  
Q T  
Boca Chica 18 27 N 69 35 W  
G C B A  
Caucedo 18 24 N 69 37 W  
C B T A

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Santo Domingo 18 28 N 69 53 W  
P Y G C R B D T A  
Rio Haina 18 25 N 70 00 W  
P Q Y G C R B T A  
Palenque Terminal 18 12 N 70 11 W  
P T A  
Las Calderas 18 13 N 70 30 W  
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Y G B T  
Cabo Rojo 17 54 N 71 40 W  
Y

## HAITI

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Aquín 18 16 N 73 23 W  
Aux Cayes 18 11 N 73 44 W  
Cap Tiburon 18 21 N 74 27 W  
Anse d'Hainault 18 28 N 74 27 W  
Jeremie 18 39 N 74 07 W  
Miragoane 18 28 N 73 06 W  
Y G T  
Petit Goave 18 26 N 72 52 W  
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Port au Prince 18 33 N 72 21 W  
P Q Y G C R B D T A  
Varreux Terminal 18 34 N 72 20 W  
Laffiteau 18 43 N 72 26 W  
Fond Mombin 18 45 N 72 28 W  
Pointe de Mont Rouis 18 57 N 72 42 W  
St. Marc 19 07 N 72 42 W  
Gonaives 19 27 N 72 42 W  
Port de Paix 19 57 N 72 50 W  
Tortuga Island 20 01 N 72 38 W  
Cap Haitien 19 46 N 72 12 W  
G C R B A  
Caracol 19 44 N 72 07 W  
Fort Liberté 19 41 N 71 51 W

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## JAMAICA

Port Morant 17 53 N 76 20 W  
Morant Bay 17 52 N 76 24 W  
Port Royal 17 56 N 76 51 W  
G T  
Kingston 17 58 N 76 48 W  
P Y G C R B D T A  
Port Bustamante 17 59 N 76 50 W  
Old Harbour Bay 17 54 N 77 06 W  
Port Esquivel 17 53 N 77 08 W  
Y G B A  
Salt River 17 50 N 77 10 W  
Rocky Point 17 49 N 77 09 W  
P G A  
Alligator Pond 17 52 N 77 35 W  
Port Kaiser 17 53 N 77 36 W  
Y G A  
Black River 18 01 N 77 53 W  
Bluefields 18 10 N 78 02 W

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Savanna la Mar 18 12 N 78 08 W  
Negril 18 16 N 78 22 W  
Green Island 18 25 N 78 18 W  
Lucea 18 27 N 78 10 W  
Montego Bay 18 28 N 77 56 W  
P G C R B A  
Falmouth 18 29 N 77 39 W  
Rio Bueno 18 28 N 77 27 W  
G A  
Discovery Bay  
Port Rhoades 18 28 N 77 26 W  
Y G A  
St. Anns Bay 18 26 N 77 12 W  
Ocho Rios 18 25 N 77 07 W  
Y G A  
Oracabessa 18 25 N 76 59 W  
Port Maria 18 23 N 76 55 W  
Annotto Bay 18 17 N 76 45 W  
Buff Bay 18 14 N 76 39 W  
Hope Bay 18 13 N 76 35 W  
Port Antonio 18 11 N 76 27 W  
G B A  
Manchioneal 18 02 N 76 17 W

## CAYMAN ISLANDS (United Kingdom)

Grand Cayman Island  
George Town 19 18 N 81 23 W  
P Q G C R B A  
Little Cayman Island 19 40 N 80 07 W  
Cayman Brac  
P G C R B A  
Creek 19 44 N 79 47 W

## CUBA

Punta de Maisi 20 15 N 74 08 W  
Puerto Baitiqueri 20 01 N 74 51 W  
Guantanamo Bay  
Guantanamo 20 08 N 75 11 W  
Boqueron 19 59 N 75 07 W  
Q Y G T  
Caimanera 19 59 N 75 09 W  
Deseo 19 58 N 75 08 W  
Daiquiri 19 55 N 75 38 W  
Siboney 19 57 N 75 42 W  
Santiago 19 59 N 75 52 W  
P Q Y G B T A  
Nima Nima 19 57 N 75 59 W  
Pilon 19 54 N 77 18 W  
Cabo Cruz 19 51 N 77 43 W  
Niquero 20 03 N 77 36 W  
Media Luna 20 10 N 77 26 W  
San Ramon 20 13 N 77 22 W  
Ceiba Hueca 20 13 N 77 19 W  
Campachuela 20 14 N 77 17 W  
Manzanillo 20 21 N 77 07 W  
P Y G T A  
Guayabal 20 42 N 77 37 W  
G  
Manopla 20 39 N 77 52 W  
Santa Cruz del Sur 20 42 N 77 59 W  
Boca Grande 21 33 N 78 40 W  
Jucaro 21 37 N 78 51 W  
G T  
Palo Alto 21 36 N 78 58 W  
Tunas de Zaza 21 38 N 79 33 W  
Casilda 21 45 N 79 59 W  
G T  
Cienfuegos 22 08 N 80 27 W  
P Q Y G B T  
Batabano 22 41 N 82 18 W  
Isla de la Juventud (Isla de Pinos)  
Nueva Gerona 21 55 N 82 46 W  
G  
Rio Coloma 22 15 N 83 34 W  
Arroyos Anchorage 22 21 N 84 23 W

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Santa Lucia 22 41 N 83 58 W  
Y T  
Bahia Honda 22 58 N 83 10 W  
G  
Orozco 23 08 N 83 02 W  
Cabanas 23 00 N 82 59 W  
Q Y G T  
Mariel 23 01 N 82 45 W  
P Y G T  
Chorrera Bay 23 08 N 82 24 W  
Castillo del Morro 23 09 N 82 21 W  
Havana (Habana) 23 08 N 82 21 W  
P Q Y G C R B D T A

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Regla 23 08 N 82 20 W  
Matanzas 23 03 N 81 34 W  
Q Y G A  
Cardenas 23 03 N 81 12 W  
G T A  
Rio Sagua la Grande  
Isabela de Sagua 22 57 N 80 01 W  
G B T

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Sagua la Grande 22 51 N 80 05 W  
Caibarien 22 32 N 79 28 W  
G T  
Cay Frances 22 38 N 79 13 W  
Nuevitas 21 33 N 77 16 W  
P Q Y G B T A  
Puerto Tarafa 21 34 N 77 15 W  
Bufadero 21 34 N 77 14 W  
Pastelillo 21 33 N 77 13 W  
Manatí 21 22 N 76 49 W  
Q Y G T

Puerto Padre 21 17 N 76 32 W  
P Q G

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Chaparra 21 12 N 76 33 W  
Gibara 21 07 N 76 08 W  
Vita 21 05 N 75 57 W  
P Q G

Sama 21 07 N 75 46 W  
Banes 20 55 N 75 42 W  
Nipe Bay  
Antilla 20 50 N 75 44 W  
G B T

Preston 20 47 N 75 39 W  
Felton 20 45 N 75 36 W  
Nicaro 20 43 N 75 33 W  
G

Tanamo 20 42 N 75 20 W  
G A

Cayo Mambi 20 40 N 75 17 W  
Cananova 20 41 N 75 06 W  
Cayo Moa 20 41 N 74 54 W  
G T

Punta Gorda 20 38 N 74 51 W  
Baracoa 20 21 N 74 29 W  
G T A

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## TURKS and CAICOS ISLANDS (United Kingdom)

Grand Turk Island  
Grand Turk (Cockburn Town)  
21 28 N 71 09 W  
Y G C R B A

Caicos Islands  
Providenciales Island  
Providenciales 21 44 N 72 17 W  
Q Y G C R B A

## BAHAMAS

Great Inagua Island  
Matthew Town 20 57 N 73 41 W  
Little Inagua Island 21 30 N 73 00 W



P Petroleum Q Other Liquid Bulk Y Dry Bulk G General Cargo  
 C Containers R Ro-Ro B Bunkers D Dry Dock T Towage  
 A Airport (within 100km)

# GEOGRAPHIC INDEX

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Barbours Cut 29 41 N 95 00 W  
 Baytown 29 44 N 95 01 W  
 Deer Park 29 44 N 95 08 W  
 Port Adams 29 45 N 95 11 W  
 Norsworthy 29 45 N 95 12 W  
 Pasadena 29 43 N 95 13 W  
 Deepwater 29 44 N 95 14 W  
 Sinco 29 43 N 95 14 W  
 Galena Park 29 44 N 95 16 W  
 Houston 29 45 N 95 20 W  
 [PQYGC RBDTA]

Port Bolivar 29 22 N 94 47 W  
 Sabine Pass  
 Sabine 29 43 N 93 52 W  
 [PGBTA]

Port Arthur Canal  
 Port Arthur 29 52 N 93 55 W  
 [PYGCRBDTA]

Sabine-Neches Canal  
 Neches River  
 Atreco 29 59 N 93 53 W  
 Port Neches 29 59 N 93 56 W  
 Magpetco 30 02 N 93 59 W  
 Smith's Bluff 30 00 N 93 59 W  
 Beaumont 30 05 N 94 06 W  
 [PQYGC RBDTA]

Sabine River  
 Orange 30 06 N 93 44 W  
 [QGBDTA]

## LOUISIANA (LA)

Calcasieu Lake  
 Calcasieu River  
 Lake Charles 30 13 N 93 15 W  
 [PQYGC RBDTA]

West Lake 30 14 N 93 15 W  
 Intracoastal Waterway  
 Iberia 30 00 N 91 51 W  
 [PYGC]

Jeanerette 29 54 N 91 40 W  
 Morgan City 29 42 N 91 13 W  
 [YGCRA]

Amelia 29 40 N 91 06 W  
 Houma 29 35 N 90 43 W  
 Bourg 29 33 N 90 36 W  
 Port Fourchon 29 05 N 90 13 W  
 [PYGA]

LOOP Terminal (Louisiana Offshore Oil Port) 28 53 N 90 02 W  
 [PB]

River Mississippi  
 Southwest Pass 28 58 N 89 23 W  
 South Pass 29 00 N 89 10 W  
 Port Eads 29 01 N 89 10 W  
 Pilotown 29 11 N 89 15 W  
 Boothville 29 20 N 89 25 W  
 Ostrica 29 22 N 89 31 W  
 Buras 29 22 N 89 32 W  
 Empire 29 24 N 89 36 W  
 Port Sulphur 29 28 N 89 41 W  
 Magnolia 29 34 N 89 47 W  
 Davant 29 36 N 89 51 W  
 Myrtle Grove 29 38 N 89 57 W  
 Alliance 29 40 N 89 58 W  
 Belle Chasse 29 51 N 89 59 W  
 Braithwaite 29 52 N 89 57 W  
 Violet 29 53 N 89 54 W  
 Meraux 29 55 N 89 56 W  
 St. Bernard 29 55 N 89 55 W  
 [YGC]

Chalmette 29 56 N 90 00 W  
 Michoud 30 00 N 89 55 W  
 Arabi 29 57 N 90 01 W  
 New Orleans 29 58 N 90 05 W  
 [PQYGC RBDTA]  
 Gretna 29 55 N 90 04 W  
 Harvey 29 54 N 90 04 W  
 Marrero 29 54 N 90 06 W  
 Amesville 29 54 N 90 07 W  
 Westwego 29 55 N 90 09 W

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Avondale 29 55 N 90 11 W  
 Waggaman 29 54 N 90 12 W  
 Ama Anchorage 29 57 N 90 17 W  
 St. Rose 29 56 N 90 20 W  
 Destrehan 29 56 N 90 21 W  
 Good Hope 30 00 N 90 24 W  
 Norco 29 59 N 90 24 W  
 South Louisiana 30 06 N 90 29 W  
 [PQYGT A]

Hahnville 29 58 N 90 25 W  
 Taft 29 59 N 90 25 W  
 La Place 30 03 N 90 29 W  
 Reserve 30 03 N 90 33 W  
 Garyville 30 03 N 90 37 W  
 Gramercy 30 03 N 90 41 W  
 Paulina 30 01 N 90 42 W  
 St. James 29 59 N 90 49 W  
 Convent 30 01 N 90 50 W  
 Burnside 30 08 N 90 55 W  
 [Y]

Darrow 30 06 N 90 58 W  
 Donaldsonville 30 05 N 91 00 W  
 Geismar 30 13 N 91 01 W  
 St. Gabriel 30 15 N 91 06 W  
 Sunshine 30 16 N 91 07 W  
 Plaquemine 30 17 N 91 14 W  
 Port Allen 30 28 N 91 12 W  
 Baton Rouge 30 28 N 91 11 W  
 [PYGCRA]

Vicksburg 32 20 N 90 53 W  
 Greenville (MS) 33 25 N 91 04 W  
 River Arkansas  
 Muskogee (OK) 35 45 N 95 21 W  
 [PYGTA]

Catoosa (OK) 36 11 N 95 46 W  
 [PQYGCRA]

Tulsa (OK) 36 07 N 95 58 W  
 River Mississippi  
 Memphis (TN) 35 09 N 90 03 W  
 [PYGA]

River Ohio  
 Louisville 38 14 N 85 46 W  
 Jeffersonville (IN) 38 17 N 85 44 W  
 [YGA]  
 Pittsburgh (PA) 40 26 N 79 58 W  
 [PYGDT]

River Mississippi  
 St. Louis (MO) 38 38 N 90 13 W

## MISSISSIPPI (MS)

Bienville 30 13 N 89 35 W  
 Pass Christian 30 18 N 89 14 W  
 Gulfport 30 21 N 89 05 W  
 [YGC BTA]

Ship Island 30 13 N 88 58 W  
 Biloxi 30 24 N 88 54 W  
 Ocean Springs 30 23 N 88 49 W  
 Escatawpa 30 26 N 88 32 W  
 Pascagoula 30 21 N 88 34 W  
 [PQYGRBDTA]

## ALABAMA (AL)

Coden 30 22 N 88 14 W  
 Mobile 30 41 N 88 03 W  
 [YGC RBDTA]  
 Fort Morgan 30 14 N 88 01 W

## FLORIDA (FL)

Pensacola 30 25 N 87 13 W  
 [QYGC RBDTA]  
 St. Andrew Bay  
 Panama City 30 08 N 85 39 W  
 [PYGC RBDTA]  
 St. Joseph Bay  
 Port St. Joe 29 49 N 85 18 W  
 Apalachicola River  
 Apalachicola 29 43 N 84 59 W

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Flint River  
 Bainbridge (GA) 30 54 N 84 37 W  
 [PQY G]  
 Chattahoochee River  
 Columbus (GA) 32 27 N 84 59 W  
 [PQ]

Carrabelle 29 51 N 84 40 W  
 St. Marks 30 09 N 84 12 W  
 St. Petersburg 27 47 N 82 38 W  
 [G]

Port Tampa 27 52 N 82 33 W  
 Tampa 27 57 N 82 27 W  
 [PQYGC RBDTA]

Port Manatee 27 30 N 82 33 W  
 [PQYGC RBDTA]

Boca Grande 26 43 N 82 15 W  
 Pine Island 26 35 N 82 05 W  
 Tortugas Islands  
 Tortugas Harbour 24 38 N 82 23 W  
 Key West 24 33 N 81 48 W  
 [PQBDTA]

Sand Key 24 27 N 81 53 W  
 Sombrero Key 24 38 N 81 07 W  
 Miami 25 47 N 80 11 W  
 [GCRBDTA]

Dania 26 03 N 80 09 W  
 Port Everglades 26 06 N 80 07 W  
 [PYGC RBDTA]

Fort Lauderdale 26 06 N 80 08 W  
 West Palm Beach 26 43 N 80 03 W  
 Palm Beach 26 46 N 80 03 W  
 [PQYGC RBA]

Jupiter 26 55 N 80 06 W  
 Fort Pierce 27 27 N 80 19 W  
 [GCR BTA]

Port Canaveral 28 25 N 80 35 W  
 [PQYGC RBDTA]  
 Cape Canaveral (Cape Kennedy) 28 28 N 80 33 W  
 Daytona Beach 29 11 N 81 01 W  
 St. Augustine 29 53 N 81 17 W  
 St. Johns River

Mayport 30 23 N 81 26 W  
 Jacksonville 30 23 N 81 38 W  
 [PQYGC RBDTA]  
 Green Cove Springs 29 59 N 81 41 W  
 Palatka 29 38 N 81 40 W  
 Fernandina 30 41 N 81 28 W  
 [YGC T A]

GEORGIA (GA)

## GEORGIA (GA)

St. Mary's 30 43 N 81 33 W  
 Kings Bay 30 49 N 81 31 W  
 Brunswick 31 08 N 81 29 W  
 [PQYGRBT]

Darien 31 23 N 81 25 W  
 Sapelo Island 31 36 N 81 17 W  
 Savannah River  
 Savannah 32 05 N 81 05 W  
 [PQYGC RBDTA]  
 Augusta 33 29 N 82 00 W

## SOUTH CAROLINA (SC)

Tybee Roads 32 01 N 80 51 W  
 Port Royal 32 23 N 80 42 W  
 [QYGRBA]

Beaufort 32 26 N 80 40 W  
 Charleston 32 47 N 79 56 W  
 [PYGC RBDTA]

Georgetown 33 21 N 79 18 W  
 [YR BTA]

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U.S.A. continued

NORTH CAROLINA (NC)

Southport 33 55 N 78 00 W  
 Cape Fear River  
 Sunny Point 33 59 N 77 57 W  
 Wilmington 34 14 N 77 57 W  
 [P Y G C R B T A]

Cape Fear 33 50 N 77 58 W  
 Wrightsville 34 13 N 77 50 W  
 Morehead City 34 43 N 76 42 W  
 [P Q Y G C R T A]

Beaufort 34 43 N 76 39 W  
 Lookout Bight 34 37 N 76 33 W  
 Cape Lookout 34 37 N 76 32 W  
 New Bern 35 06 N 77 02 W  
 Diamond Shoal Light 35 09 N 75 18 W  
 Cape Hatteras 35 14 N 75 31 W

BERMUDA (United Kingdom)

St. George's Island  
 St. George's 32 23 N 64 40 W  
 [P Y G R B T A]

Main Island  
 Hamilton 32 18 N 64 47 W  
 [G C R B T A]

Ireland Island  
 Freeport 32 19 N 64 50 W  
 [P Y B T A]

U.S.A.

VIRGINIA (VA)

Virginia Beach 36 51 N 75 57 W  
 Chesapeake Bay  
 Cape Henry 36 56 N 76 00 W  
 Lynnhaven Roads 36 56 N 76 05 W  
 Sewells Point 36 58 N 76 20 W  
 Hampton Roads  
 [P Q Y G C R B D T A]

Elizabeth River  
 Norfolk 36 51 N 76 19 W  
 Chesapeake 36 47 N 76 18 W  
 Portsmouth 36 50 N 76 17 W  
 James River  
 Claremont 37 16 N 76 58 W  
 Hopewell 37 18 N 77 17 W  
 Richmond 37 32 N 77 26 W  
 [Y G C B T A]

Newport News 36 58 N 76 25 W  
 York River  
 Yorktown 37 14 N 76 24 W  
 Potomac River  
 Piney Point (MD) 38 08 N 76 32 W  
 Quantico 38 31 N 77 18 W  
 Alexandria 38 48 N 77 03 W  
 Washington (DC) 38 53 N 77 01 W

MARYLAND (MD)

Patuxent River  
 Hog Point 38 18 N 76 24 W  
 Cove Point 38 23 N 76 23 W  
 [Q]

Annapolis 38 59 N 76 29 W  
 Baltimore 39 17 N 76 35 W  
 [P Q Y G C R B D T A]

Sparrows Point 39 13 N 76 30 W  
 Chesapeake & Delaware Canal  
 Chesapeake City 39 22 N 75 48 W  
 Cambridge 38 34 N 76 04 W  
 Salisbury 38 21 N 75 35 W

VIRGINIA (VA)

Cape Charles 37 16 N 76 01 W

DELAWARE (DE)

Fenwick Island Light 38 27 N 75 03 W  
 Delaware Bay

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Cape Henlopen 38 48 N 75 06 W  
 Delaware Breakwater 38 49 N 75 06 W  
 Lewes 38 47 N 75 08 W  
 Delaware River  
 Reedy Island 39 30 N 75 34 W  
 Reedy Point 39 34 N 75 34 W  
 Delaware City 39 34 N 75 35 W  
 New Castle 39 40 N 75 34 W  
 Wilmington 39 45 N 75 30 W  
 [P Q Y G C R B T A]  
 Claymont 39 48 N 75 26 W

PENNSYLVANIA (PA)

Marcus Hook 39 49 N 75 25 W  
 Chester 39 50 N 75 22 W  
 Eddystone 39 50 N 75 20 W  
 Hog Island 39 52 N 75 16 W  
 Point Breeze 39 55 N 75 12 W  
 Philadelphia 39 54 N 75 08 W  
 [P Q Y G C R B D T A]  
 Port Richmond 39 58 N 75 07 W  
 Tullytown 40 08 N 74 49 W  
 Fairless Hills 40 10 N 74 53 W  
 Morrisville 40 13 N 74 46 W

NEW JERSEY (NJ)

Trenton 40 11 N 74 45 W  
 Burlington 40 05 N 74 51 W  
 Delair 40 00 N 75 02 W  
 Pensauken 40 00 N 75 03 W  
 Kaighns Point Anchorage  
 39 57 N 75 07 W  
 Camden 39 56 N 75 08 W  
 [Y G C B A]  
 Gloucester 39 53 N 75 08 W  
 Westville 39 52 N 75 08 W  
 Mantua Anchorage 39 51 N 75 14 W  
 Billingsport 39 51 N 75 15 W  
 Paulsboro 39 50 N 75 15 W  
 Carneys Point 39 43 N 75 29 W  
 Salem 39 34 N 75 28 W

Cape May 38 56 N 74 58 W  
 Five Fathom Bank Light 38 47 N 74 35 W  
 Atlantic City 39 22 N 74 25 W  
 Tuckerton 39 36 N 74 20 W  
 Barnegat 39 46 N 74 06 W  
 Sandy Hook 40 29 N 74 01 W  
 Ambrose Channel Light 40 27 N 73 50 W  
 Raritan River  
 South Amboy 40 29 N 74 17 W  
 Sayreville 40 28 N 74 21 W  
 Perth Amboy 40 30 N 74 16 W  
 Arthur Kill  
 Sewaren 40 33 N 74 15 W  
 Port Reading 40 34 N 74 13 W  
 Chrome 40 35 N 74 13 W  
 Carteret 40 36 N 74 13 W  
 Grasselli 40 37 N 74 12 W  
 Linden 40 38 N 74 12 W  
 Bayway 40 39 N 74 12 W  
 Elizabethport 40 39 N 74 11 W  
 Port Newark 40 41 N 74 09 W  
 Kearney 40 43 N 74 07 W  
 Bayonne 40 39 N 74 05 W

NEW YORK (NY)

Staten Island  
 Tompkinsville 40 38 N 74 05 W  
 Stapleton 40 37 N 74 05 W  
 Tottenville 40 31 N 74 15 W  
 Port Mobil 40 32 N 74 14 W  
 Port Ivory 40 38 N 74 12 W  
 Howland Hook 40 39 N 74 11 W  
 New York 40 42 N 74 01 W  
 [P Q Y G C R B D T A]

Hudson River

Jersey City (NJ) 40 43 N 74 02 W  
 Hoboken (NJ) 40 45 N 74 02 W  
 Weehawken (NJ) 40 47 N 74 01 W  
 Edgewater (NJ) 40 49 N 73 59 W  
 Stony Point 41 14 N 73 58 W  
 Tomkins Cove 41 16 N 73 59 W  
 Newburgh 41 30 N 74 05 W  
 Roseton 41 34 N 74 00 W  
 Kingston 41 52 N 73 58 W

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Catskill 42 13 N 73 53 W  
 Coxsackie 42 20 N 73 48 W  
 Ravena 42 28 N 73 48 W  
 Albany 42 39 N 73 45 W  
 [P Q Y G R T A]

Troy 42 44 N 73 41 W  
 Rensselaer 42 39 N 73 44 W  
 Alsen 42 11 N 73 55 W  
 Cementon 42 08 N 73 55 W  
 Hyde Park 41 47 N 73 56 W  
 Poughkeepsie 41 41 N 73 53 W  
 Milton 41 36 N 73 57 W  
 Jones Point 41 17 N 73 57 W  
 Peekskill 41 15 N 73 55 W  
 Buchanan 41 12 N 73 55 W  
 Yonkers 40 57 N 73 50 W  
 East River  
 Hunts Point 40 48 N 73 52 W  
 Brooklyn 40 42 N 74 00 W

Long Island  
 Gravesend Bay 40 36 N 74 00 W  
 Jamaica Bay 40 36 N 73 54 W  
 Fire Island Light 40 37 N 73 16 W  
 Patchogue 40 46 N 73 01 W  
 Sag Harbour 41 01 N 72 18 W  
 Riverhead 40 55 N 72 40 W  
 Greenport 41 06 N 72 21 W  
 Northville 40 59 N 72 39 W

NEW YORK (NY)

Port Jefferson 40 57 N 73 04 W  
 [P]  
 Northport 40 56 N 73 22 W  
 [P]  
 Oyster Bay 50 53 N 73 31 W  
 Long Island Sound  
 City Island 40 51 N 73 47 W  
 Mamaroneck 40 56 N 73 44 W  
 Port Chester 40 59 N 73 39 W

CONNECTICUT (CT)

Stamford 41 01 N 73 32 W  
 Norwalk 41 05 N 73 24 W  
 Bridgeport 41 09 N 73 11 W  
 [P G T A]  
 New Haven 41 15 N 72 54 W  
 [P Q Y G T A]  
 Clinton 41 16 N 72 32 W  
 Saybrook 41 17 N 72 22 W  
 New London 41 24 N 72 06 W  
 [P Q Y G R D T A]  
 Allys Point 41 26 N 72 04 W  
 Groton 41 21 N 72 05 W

RHODE ISLAND (RI)

Block Island 41 14 N 71 35 W  
 Point Judith 41 22 N 71 29 W  
 Narragansett Bay  
 Conanicut Island  
 Jamestown 41 30 N 71 22 W  
 Quonset 41 35 N 71 24 W  
 Davisville 41 37 N 71 24 W  
 [Y G C A]  
 Providence 41 48 N 71 23 W  
 [P Q G C R B T A]  
 Warren 41 44 N 71 18 W  
 Bristol 41 40 N 71 16 W  
 Melville 41 35 N 71 17 W  
 Newport 41 29 N 71 20 W  
 Sakonnet River  
 Portsmouth 41 36 N 71 14 W  
 Brayton Point 41 42 N 71 12 W  
 Somerset (MA) 41 47 N 71 08 W  
 Fall River (MA) 41 42 N 71 10 W  
 [P Q Y G C R B T A]  
 Tiverton 41 38 N 71 12 W

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P Petroleum Q Other Liquid Bulk Y Dry Bulk G General Cargo  
 C Containers R Ro-Ro B Bunkers D Dry Dock T Towage  
 A Airport (within 100km)

# GEOGRAPHIC INDEX

**MASSACHUSETTS (MA)**

Buzzards Bay  
 New Bedford 41 38 N 70 55 W  
**G B A**  
 Cape Cod Canal (W. Entrance)  
 41 44 N 70 39 W  
 Woods Hole 41 31 N 70 40 W  
 Marthas Vineyard Island  
 Vineyard Haven 41 27 N 70 36 W  
 Nantucket Island 41 17 N 70 06 W  
 Chatham 41 40 N 69 56 W  
 Cape Cod Light 42 02 N 70 04 W  
 Race Point 42 04 N 70 15 W  
 Provincetown 42 03 N 70 11 W  
 Sesuit Harbour 41 45 N 70 09 W  
 Sandwich 41 46 N 70 29 W  
**P**

Cape Cod Canal (E. Entrance)  
 41 47 N 70 30 W  
 Plymouth 41 57 N 70 40 W  
 Scituate 42 12 N 70 43 W  
 Weymouth 42 16 N 70 55 W  
 Quincy 42 16 N 71 00 W  
 Boston 42 23 N 71 03 W

**P Q Y G C B D T A**  
 Everett 42 24 N 71 03 W  
 Chelsea 42 23 N 71 02 W  
 Revere 42 25 N 71 00 W  
 Lynn 42 25 N 70 56 W  
 Salem 42 31 N 70 52 W  
 Beverly 42 33 N 70 53 W  
 Gloucester 42 37 N 70 40 W  
**G R B T A**

Rockport 42 40 N 70 37 W  
 Annisquam Harbour 42 40 N 70 41 W  
 Newburyport 42 49 N 70 52 W

**NEW HAMPSHIRE (NH)**

Portsmouth 43 04 N 70 42 W  
**Y G C B A**

**MAINE (ME)**

Portland 43 39 N 70 14 W  
**P Y G C R B T A**  
 Yarmouth 43 48 N 70 12 W  
 Bath 43 54 N 69 49 W  
 Wiscasset 44 00 N 69 40 W  
 Boothbay 43 50 N 69 39 W  
 East Boothbay 43 51 N 69 35 W  
 South Bristol 43 51 N 69 33 W  
 Rockland 44 06 N 69 07 W  
 Rockport 44 09 N 69 04 W  
 Belfast 44 25 N 69 00 W  
 Searsport 44 27 N 68 55 W  
**P Y G B A**

Stockton Springs 44 29 N 68 51 W  
 Penobscot River  
 Sandy Point 44 31 N 68 49 W  
 Winterport 44 38 N 68 51 W  
 Bangor 44 48 N 68 47 W  
 South Brewer 44 47 N 68 47 W  
 Bucksport 44 34 N 68 48 W  
**P T A**

Castine 44 23 N 68 50 W  
 Bar Harbour 44 23 N 68 12 W  
 Machiasport 44 42 N 67 24 W  
 Eastport 44 54 N 66 59 W  
**P Q C R B D**

Calais 45 11 N 67 17 W

**CANADA**

**NEW BRUNSWICK**

Grand Manan Island  
 Grand Harbour 44 40 N 66 45 W  
 Seal Cove 44 36 N 66 52 W  
 St. Stephen 45 12 N 67 17 W  
 Bayside 45 10 N 67 08 W  
**G B**

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St. Andrews 45 04 N 67 03 W  
 St. George 45 09 N 66 49 W  
 L'Etang 45 04 N 66 49 W  
 Beaver Harbour 45 03 N 66 44 W  
 Partridge Island 45 14 N 66 03 W  
 Saint John 45 16 N 66 04 W

**P Q Y G C R B T A**  
 Canaport 45 12 N 65 59 W  
 Quaco Bay  
 St. Martins 45 21 N 65 32 W  
 Alma 45 36 N 64 57 W  
 Herring Cove 45 35 N 64 58 W  
 Waterside 45 38 N 64 50 W  
 Harvey 45 42 N 64 43 W  
 Albert 45 45 N 64 40 W  
 Petitcodiac River  
 Hillsborough 45 56 N 64 39 W  
 Moncton 46 05 N 64 47 W  
 Memramcook River  
 Cole Point 45 52 N 64 33 W  
 Dorchester 45 53 N 64 32 W  
 Rockport 45 47 N 64 30 W  
 Sackville 45 53 N 64 21 W

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**NOVA SCOTIA**  
 Amherst 45 50 N 64 13 W  
 Joggins 45 42 N 64 27 W  
 Advocate Harbour 45 19 N 64 47 W  
 Port Greville 45 24 N 64 33 W  
 Minas Basin  
 West Bay 45 22 N 64 21 W  
 Parrsboro 45 23 N 64 20 W  
 Economy 45 23 N 63 55 W  
 Maitland 45 19 N 63 30 W  
 Noel Bay 45 18 N 63 44 W  
 Walton 45 14 N 64 01 W  
 Cheverie 45 10 N 64 11 W  
 Windsor 45 00 N 64 09 W  
 Hantsport 45 04 N 64 10 W

**Y G B T A**  
 Wolfville 45 06 N 64 22 W  
 Port Williams 45 06 N 64 24 W  
 Kingsport 45 10 N 64 22 W  
 Morden 45 06 N 64 57 W  
 Margaretsville 45 03 N 65 04 W  
 Port George 45 00 N 65 09 W  
 Annapolis Basin  
 Port Wade 44 40 N 65 43 W  
 Annapolis Royal 44 45 N 65 31 W  
 Clementsport 44 39 N 65 37 W  
 Deep Brook 44 35 N 65 38 W  
 Bear River 44 37 N 65 41 W  
 Digby 44 38 N 65 45 W

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Tiverton 44 24 N 66 13 W  
 Brier Island  
 Westport 44 16 N 66 21 W  
 St. Mary's Bay  
 Weymouth 44 27 N 66 01 W  
**G A**

Belliveau Cove 44 24 N 66 03 W  
 Meteghan 44 12 N 66 10 W  
 Cape St. Mary 44 05 N 66 13 W  
 Port Maitland 43 59 N 66 09 W  
 Yarmouth 43 50 N 66 07 W

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**Y G C R B A**  
 Chebogue 43 46 N 66 06 W  
 Abbot Harbour 43 40 N 65 50 W  
 Pubnico 43 36 N 65 47 W  
 Clarks Harbour 43 25 N 65 38 W  
 Cape Sable 43 23 N 65 37 W  
 Baccaro Point 43 27 N 65 28 W  
 Port La Tour 43 30 N 65 28 W  
 Negro Harbour 43 33 N 65 24 W  
 Shelburne 43 40 N 65 19 W  
 Lockeport 43 42 N 65 07 W  
 Port Herbert 43 47 N 64 54 W  
 Port Joli 43 50 N 64 52 W  
 Port Mouton 43 54 N 64 49 W  
 Liverpool 44 03 N 64 43 W

**P Y G B D T**  
 Brooklyn 44 03 N 64 41 W  
 Port Medway 44 08 N 64 34 W  
 La Have River  
 La Have 44 17 N 64 21 W  
 Bridgewater 44 22 N 64 30 W  
 Riverport 44 17 N 64 20 W

176A

Lunenburg 44 22 N 64 18 W  
**Y G B**  
 Mahone Bay  
 Mahone 44 27 N 64 22 W  
 Gold River 44 33 N 64 19 W  
 Chester 44 32 N 64 14 W  
 New Harbour 44 28 N 64 05 W  
 Ingraimport 44 40 N 63 58 W  
 Prospect 44 28 N 63 47 W  
 Sambro Harbour 44 29 N 63 36 W  
 Ketch Harbour 44 29 N 63 33 W  
 Halifax 44 38 N 63 33 W

177A

**P Q Y G C R B D T A**  
 Dartmouth 44 40 N 63 35 W  
 Eastern Passage 44 36 N 63 29 W  
 Jeddore 44 43 N 63 00 W  
 Ship Harbour 44 45 N 62 45 W  
 Tangier 44 48 N 62 42 W  
 Spry Harbour 44 50 N 62 35 W  
 Sheet Harbour 44 51 N 62 27 W

**Y G B**  
 Beaver Harbour 44 52 N 62 24 W  
 Necum Teuch Harbour 44 55 N 62 17 W  
 Ecum Secum 44 57 N 62 09 W  
 Liscomb 45 00 N 62 00 W  
 Sherbrooke 45 09 N 61 59 W  
 Sonora 45 04 N 61 55 W  
 Fishermans Harbour 45 07 N 61 41 W  
 Isaac's Harbour 45 10 N 61 39 W  
 Country Harbour 45 13 N 61 44 W  
 Cole Harbour 45 15 N 61 17 W  
 Cape Canso 45 18 N 60 56 W  
 Canso Harbour 45 20 N 61 00 W  
 Chedabucto Bay

176B

177B

Guysborough 45 23 N 61 30 W  
 Boylston 45 27 N 61 31 W  
 Mulgrave 45 35 N 61 23 W  
**Y G**  
 Aulds Cove 45 39 N 61 26 W  
 Cape Breton Island  
 Port Hawkesbury 45 37 N 61 21 W  
**P Y G B**  
 Point Tupper 45 36 N 61 22 W  
**P Y G**

176C

177C

Arichat 45 31 N 61 00 W  
 St. Peter's 45 39 N 60 52 W  
 Bras d'Or Lake  
 West Bay 45 45 N 60 59 W  
 Iona 45 58 N 60 48 W  
 Little Narrows 45 59 N 60 59 W  
**Y**  
 Whycocomagh 45 59 N 61 08 W  
 Baddeck 46 06 N 60 44 W  
 Big Harbour 46 10 N 60 25 W  
 Eskasoni 45 56 N 60 39 W  
 Soldiers Cove 45 42 N 60 44 W  
 Louisburg 45 55 N 59 58 W  
 Cape Breton 45 57 N 59 47 W  
 Glace Bay 46 12 N 59 57 W  
 Sydney 46 09 N 60 12 W  
**P Y G C R B D T A**

Point Edward 46 11 N 60 14 W  
 North Sydney 46 12 N 60 15 W  
**G R T A**  
 Little Bras d'Or 46 19 N 60 17 W  
 St. Ann's Harbour 46 15 N 60 36 W  
 Ingonish 46 38 N 60 25 W  
 Neil Harbour 46 48 N 60 19 W  
 Dingwall 46 54 N 60 27 W  
 Cape North 47 02 N 60 24 W  
 St. Paul Island 47 11 N 60 10 W  
 Cape St. Lawrence 47 03 N 60 35 W  
 Cheticamp 46 38 N 61 01 W  
 Margaree 46 26 N 61 07 W  
 Mabou 46 05 N 61 24 W  
 Port Hood 46 01 N 61 32 W  
 Judique 45 53 N 61 29 W  
 Port Hastings 45 39 N 61 24 W  
 Tracadie Harbour 45 38 N 61 38 W  
 Bayfield 45 38 N 61 44 W  
 Antigonish 45 42 N 61 53 W  
 Merigomish 45 39 N 62 27 W  
 Trenton 45 37 N 62 38 W  
 New Glasgow 45 36 N 62 38 W

176D

177D







CANADA continued

NEWFOUNDLAND

Pistolet Bay 51 36 N 55 46 W  
Flowers Cove 51 17 N 56 45 W  
St. Barbe Harbour 51 12 N 56 46 W  
St. Genevieve Bay 51 09 N 56 50 W  
St. Margaret Bay 51 01 N 56 57 W  
Ingornachoix Bay

Port Saunders 50 38 N 57 19 W  
Hawkes Bay 50 37 N 57 10 W

Mal Bay 50 33 N 57 23 W  
Daniels Cove 50 14 N 57 35 W

Bonne Bay  
Rocky Harbour 49 36 N 57 55 W  
Lomond Cove 49 28 N 57 45 W

Bay of Islands  
Cox Cove 49 08 N 58 02 W  
Woods Island 49 06 N 58 10 W  
Humbermouth 48 58 N 57 55 W  
Corner Brook 48 57 N 57 56 W

P Y G C B A

Curling 48 58 N 57 59 W  
Pleasant Cove 48 58 N 58 01 W  
Lark Harbour 49 06 N 58 21 W

Port au Port Bay  
Aguathuna 48 45 N 58 43 W  
Lower Cove 48 31 N 59 06 W  
Stephenville 48 31 N 58 32 W

G B T A

Turf Point 48 26 N 58 28 W  
St. George's Harbour 48 27 N 58 29 W  
Flat Bay 48 24 N 58 35 W  
Codroy 47 53 N 59 24 W  
Cape Ray 47 37 N 59 18 W  
Port aux Basques 47 34 N 59 07 W

G B

Isle aux Morts 47 35 N 59 00 W  
Rose Blanche 47 36 N 58 41 W  
Barachois 47 35 N 57 45 W  
Burgeon 47 36 N 57 37 W  
Ramea Island 47 31 N 57 25 W  
Rencontre 47 36 N 56 40 W  
Hare Bay 47 37 N 56 32 W  
Bonne Bay 47 38 N 56 12 W  
Pushthrough 47 38 N 56 11 W

Bay d'Espoir  
St. Albans 47 52 N 55 51 W  
Milltown 47 54 N 55 47 W

Hermitage Bay  
Gaultois 47 36 N 55 54 W  
Hermitage Cove 47 34 N 55 56 W  
Harbour Breton 47 29 N 55 48 W  
Jerseyman Harbour 47 29 N 55 46 W  
St. Jacques 47 28 N 55 25 W  
Belleoram 47 31 N 55 25 W  
Belle Harbour 47 40 N 55 20 W  
English Harbour East 47 38 N 54 54 W  
Grand Bank 47 06 N 55 45 W

P G A

Fortune 47 04 N 55 50 W

ST. PIERRE and MIQUELON (France)

Miquelon Island  
Miquelon 47 08 N 56 22 W  
St. Pierre Island  
St. Pierre 46 49 N 56 10 W

P G C R D T A

CANADA

NEWFOUNDLAND

Lamaline 46 51 N 55 48 W  
Placentia Bay  
St. Lawrence 46 54 N 55 20 W  
Burin 47 02 N 55 10 W  
Mortier Bay 47 10 N 55 07 W  
Marystown 47 10 N 55 09 W

P G B D

Rose au Rue 47 32 N 54 09 W  
Whiffen Head 47 46 N 54 01 W

P

184A

Come by Chance 47 48 N 54 01 W

P B T

Harbour Buffet 47 32 N 54 03 W  
Long Harbour 47 27 N 53 49 W

G B

Ship Harbour 47 22 N 53 53 W  
Argentia 47 18 N 53 59 W

O G C R B

Placentia 47 15 N 53 50 W  
St. Marys 46 55 N 53 34 W  
Trepassey 46 43 N 53 23 W  
Cape Race 46 39 N 53 04 W  
Renewse 46 54 N 52 54 W  
Fermeuse 46 58 N 52 54 W  
Aquafort 47 00 N 52 53 W  
Ferryland Harbour 47 01 N 52 51 W  
Witless Bay 47 17 N 52 46 W  
Bay Bulls 47 18 N 52 44 W  
St. John's 47 34 N 52 41 W

P Y G C R B A

Conception Bay  
Bell Island  
Wabana 47 38 N 52 55 W  
Long Pond 47 31 N 52 58 W

P Y G B A

Holyrood 47 24 N 53 08 W

P B A

Brigus 47 33 N 53 11 W  
Port de Grave 47 36 N 53 12 W  
Coley's Point 47 35 N 53 15 W  
Bay Roberts 47 34 N 53 13 W  
Harbour Grace 47 41 N 53 13 W  
Carbonear 47 44 N 53 14 W  
Lower Island Cove 48 00 N 52 59 W  
Bay de Verde 48 05 N 52 54 W

Trinity Bay  
Hearts Content 47 53 N 53 23 W  
Dildo 47 34 N 53 34 W  
Tickle Harbour 47 38 N 53 43 W  
Clarenville 48 10 N 53 57 W  
Bonaventure 48 17 N 53 26 W  
Trinity 48 22 N 53 21 W

Catalina Harbour  
Catalina 48 31 N 53 04 W

P Y G

Port Union 48 30 N 53 05 W  
Bonavista 48 39 N 53 07 W  
Charlottetown 48 26 N 54 00 W  
Port Blandford 48 23 N 54 10 W  
Alexander Bay

Glovertown 48 39 N 54 00 W  
Gambo 48 46 N 54 12 W  
Butchers Cove 48 50 N 54 00 W  
Indian Bay 49 02 N 53 52 W  
Greenspond 49 04 N 53 36 W  
Musgrave Harbour 49 27 N 53 56 W  
Carmanville 49 24 N 54 17 W

Fogo Island  
Fogo Harbour 49 43 N 54 16 W  
Change Island  
Change Island Tickle 49 40 N 54 24 W

New World Island  
Herring Neck 49 39 N 54 35 W  
Twillingate Island  
Twillingate 49 41 N 54 45 W

Exploits Bay  
Lewisporte 49 15 N 55 03 W  
Botwood 49 09 N 55 19 W

P Q Y G B A

Badgers Quay 49 00 N 56 04 W  
Glover Harbour 49 28 N 55 29 W  
Tommy's Arm 49 26 N 55 47 W  
Triton Island

Troytown 49 34 N 55 35 W  
Roberts Arm 49 29 N 55 48 W  
Hall Bay

Springdale 49 30 N 56 04 W  
Little Bay Island 49 39 N 55 47 W  
Burlington 49 46 N 56 01 W  
Nippers Harbour 49 48 N 55 51 W  
Tilt Cove 49 53 N 55 37 W  
Cape St. John 50 00 N 55 30 W  
La Scie 49 58 N 55 35 W  
Mings Bight 50 00 N 55 59 W  
Baie Verte

185A

Baie Verte 49 56 N 56 12 W  
Coachman Harbour 50 03 N 56 05 W  
Fleur de Lys 50 07 N 56 05 W  
White Bay  
Hampden 49 33 N 56 50 W  
Sops Arm 49 45 N 56 50 W  
Jacksons Arm 49 51 N 56 45 W  
Williamsport 50 28 N 56 20 W

Canada Bay  
Roddickton 50 52 N 56 07 W  
Englee Harbour 50 43 N 56 07 W  
Conche Harbour 50 54 N 55 56 W  
Groais Island 50 59 N 55 31 W  
Croc Harbour 51 03 N 55 47 W  
Hare Bay

Main Brook 51 11 N 56 01 W  
St. Anthony 51 22 N 55 35 W  
Quirpon 51 36 N 55 27 W  
Strait of Belle Isle

Forteau 51 28 N 56 56 W  
Pointe Armour 51 27 N 56 52 W  
Belle Isle 51 55 N 55 21 W  
Battle Harbour 52 16 N 55 35 W  
Fox Harbour 52 20 N 55 40 W  
St. Lewis Inlet 52 24 N 56 01 W  
Granby Island

St. Francis Harbour 52 33 N 55 41 W  
Alexis Inlet  
Port Hope Simpson 52 33 N 56 18 W  
Occasional Harbour 52 40 N 55 45 W

Venison Tickle 52 58 N 55 46 W  
Hawke Harbour 53 02 N 55 48 W  
Domino 53 28 N 55 44 W  
Spotted Island 53 30 N 55 44 W  
Cartwright 53 42 N 57 01 W  
Hamilton Inlet

Rigolet 54 11 N 58 25 W  
Goose Bay 53 21 N 60 25 W

P G C R B A

Indian Harbour 54 27 N 57 13 W  
Cut-Throat 54 29 N 57 07 W  
Cape Harrison 54 56 N 57 56 W  
Webeck Harbour 54 52 N 58 02 W  
Tuchialic Bay 54 47 N 58 25 W  
Adivik 55 00 N 58 49 W  
Makkovik 55 06 N 59 10 W  
Hopedale 55 27 N 60 12 W  
Ford Harbour 56 27 N 61 11 W  
Nain 56 32 N 61 42 W  
Hebron 58 12 N 62 36 W  
Saglek Bay 58 29 N 62 34 W  
Ramah 59 05 N 63 26 W  
Cape Chidley 60 23 N 64 26 W

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186B

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186C

184B

184C

184D

185B

185C

185D



















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| 185D           | 57       | Exploits Bay    | 86A      | 35       | Fenerive                           | 78C      | 34       | Fogo Island (Cape Verde)            | 144B     | 52       | Friday Harbour         |
| 101D           | 42       | Exspan Terminal | 9A       | 17       | Fenit                              | 41D      | 23       | Fohr Island                         | 42A      | 65       | Friedrichstadt         |
| 166A           | 60       | Exuma           | 172D     | 58       | Fenwick Island Light               | 19       | 19       | Foinhaven                           | 25B      | 24       | Frierfjord             |
| 25A            | 24       | Eydehamn        |          |          | Feodosiya, see Theodosia           | 64C      | 32       | Folegandros Island                  |          | 19       | Frigg                  |
| 14D            | 16       | Eyemouth        | 11B      | 16       | Feolin                             | 2A       | 17       | Folkstone                           |          |          | Frobisher, see Iqaluit |
| 18C            | 20       | Eyjafjardur     | 185A     | 57       | Fermeuse                           | 21A      | 20       | Follafjord                          | 6C       | 17       | Frodsham               |
| 19C            | 20       | Eyrarbakki      | 171C     | 55       | Fernandina                         | 21B      | 24       | Follafoss                           | 33B      | 26       | Frojdbole              |
| 17D            | 20       | Eysturoy        | 156A     | 62       | Fernando Noronha Island            | 57D      | 31       | Follonica                           | 36B      | 26       | Frombork               |
| <hr/> <b>F</b> |          |                 | 144B     | 52       | Ferndale                           | 163C     | 61       | Fond Mombin                         | 168A     | 59       | Frontera               |
|                |          |                 | 52C      | 30       | Ferrol                             | 133A     | 48       | Forari                              | 31D      | 26       | Frostkage              |
|                |          |                 | 185A     | 57       | Ferryland Harbour                  | 35C      | 26       | Forby                               | 51D      | 30       | Fuenterrabia           |
|                |          |                 | 22B      | 24       | Festoy                             | 81A      | 36       | Forcados                            | 77C      | 34       | Fuerteventura          |
|                |          |                 | 72C      | 32       | Fethiye                            | 81A      | 36       | Forcados River                      | 17D      | 20       | Fuglafjordur           |
|                |          |                 | 25A      | 24       | Fevik                              | 80D      | 36       | Forcados Terminal                   | 160A     | 61       | Fuik Bay               |
|                |          |                 | 21C      | 24       | Fiborgtangen                       | 186C     | 51       | Ford Harbour                        | 89B      | 37       | Fujairah               |
|                |          |                 |          | 19       | Fife                               | 22D      | 24       | Fordefjord                          | 118C     | 45       | Fukui                  |
|                |          |                 |          | 25       | Figeholm                           | 79C      | 36       | Forecariaah                         | 123A     | 45       | Fukuoka                |
|                |          |                 | 49       | 28       | Figueira da Foz                    | 183C     | 57       | Forestville                         | 118A     | 45       | Fukura                 |
|                |          |                 | 133B     | 49       | Fiji                               | 24A      | 24       | Foresvik                            | 117C     | 45       | Fukushima              |
|                |          |                 | 46D      | 22       | Fijnaart                           | 54D      | 28       | Formentera Island                   | 119C     | 45       | Fukuyama               |
|                |          |                 | 22A      | 24       | Fiksdal                            | 58B      | 28       | Formia                              | 126A     | 48       | Fulleborn              |
|                |          |                 | 15C      | 17       | Filey                              | 40D      | 25       | Fornaes                             | 13B      | 19       | Fulmar                 |
|                |          |                 | 26A      | 24       | Filtvet                            | 155A     | 64       | Forno                               | 168D     | 54       | Fulton                 |
|                |          |                 |          |          | Filyos, see Hisaronu               | 30B      | 24       | Forsmark                            | 121B     | 45       | Funabashi              |
|                |          |                 |          |          | Findhorn                           | 21D      | 24       | Forsnes                             | 134C     | 49       | Funafuti               |
|                |          |                 | 13D      | 16       | Findochty                          | 145C     | 50       | Fort Bragg                          | 134C     | 49       | Funafuti Island        |
|                |          |                 | 17B      | 17       | Fingringhoe                        | 140B     | 51       | Fort Chimo                          | 118A     | 45       | Funakawa               |
|                |          |                 | 72C      | 33       | Finike                             | 161A     | 61       | Fort de France                      | 77B      | 34       | Funchal                |
|                |          |                 | 42C      | 23       | Finkenwerder                       | 182C     | 56       | Fort Erie                           | 39D      | 25       | Funen                  |
|                |          |                 | 32B      | 26       | Finland                            | 2C       | 17       | Fort Gilkicker                      | 113D     | 47       | Fuqing                 |
|                |          |                 | 10D      | 16       | Finnart                            | 171B     | 55       | Fort Lauderdale                     | 41C      | 25       | Fur                    |
|                |          |                 | 20D      | 21       | Finneid                            | 163C     | 61       | Fort Liberte                        | 41C      | 25       | Fur Island             |
|                |          |                 | 19D      | 21       | Finnfjord                          | 170D     | 54       | Fort Morgan                         | 41C      | 25       | Fur Molerværk          |
|                |          |                 | 20A      | 21       | Finnsnes                           | 171B     | 55       | Fort Pierce                         | 29B      | 25       | Furillen               |
|                |          |                 | 126C     | 48       | Finschafen                         | 11C      | 16       | Fort William                        | 11A      | 16       | Furnace                |
|                |          |                 | 174B     | 58       | Fire Island Light                  | 156A     | 62       | Fortaleza                           | 31D      | 26       | Furuoggrund            |
|                |          |                 | 10B      | 16       | Firth of Clyde                     | 59A      | 28       | Forte Spuria                        | 30B      | 24       | Furusund               |
|                |          |                 | 14B      | 16       | Firth of Forth                     | 186A     | 57       | Forteau                             | 23C      | 24       | Fusa                   |
|                |          |                 | 14B      | 16       | Firth of Tay                       | 14D      | 16       | Forth and Clyde Canal (E. Entrance) | 118B     | 45       | Fushiki                |
|                |          |                 | 37D      | 65       | Fischerhutte                       |          |          | Forth and Clyde Canal (W. Entrance) | 118B     | 45       | Fushiki-Toyama         |
|                |          |                 | 2C       | 17       | Fishbourne                         | 10D      | 16       |                                     | 123A     | 45       | Futajima               |
|                |          |                 | 177B     | 57       | Fishermans Harbour                 |          |          |                                     | 83B      | 36       | Futilla Terminal       |
|                |          |                 | 14D      | 16       | Fisherrow                          | 14C      | 16       | Forth, River                        | 121C     | 45       | Futtsu                 |
|                |          |                 | 5C       | 17       | Fishguard                          |          |          | Forties                             | 113D     | 47       | Fuzhou                 |
|                |          |                 | 24D      | 24       | Fiskaa                             | 184C     | 57       | Fortune                             |          |          |                        |
|                |          |                 | 22A      | 24       | Fiskarstranda                      | 24B      | 24       | Forus                               |          |          |                        |
|                |          |                 | 27D      | 25       | Fiskeback                          | 55D      | 31       | Fos                                 |          |          |                        |
|                |          |                 | 26D      | 24       | Fiskebackskil                      | 16C      | 17       | Fosdyke                             |          |          |                        |
|                |          |                 | 139C     | 14       | Fiskenaeset                        | 22B      | 24       | Fosnavaaq                           |          |          |                        |
|                |          |                 | 24B      | 24       | Fiskeneset                         | 25A      | 24       | Fossbekk                            |          |          |                        |
|                |          |                 | 30A      | 24       | Fittja                             | 25B      | 24       | Fossing                             |          |          |                        |
|                |          |                 |          |          | Fiume, see Rijeka                  | 86A      | 35       | Foulpointe                          |          |          |                        |
|                |          |                 |          |          | Fiumicino                          | 85C      | 35       | Foumbouni                           |          |          |                        |
|                |          |                 | 173C     | 58       | Five Fathom Bank Light             | 78D      | 36       | Foundiougne                         |          |          |                        |
|                |          |                 | 26C      | 24       | Fjallbacka                         | 156D     | 62       | Fourgassie                          |          |          |                        |
|                |          |                 | 23D      | 24       | Fjelberg                           | 71D      | 32       | Fourkero Bay                        |          |          |                        |
|                |          |                 | 40A      | 25       | Fjellebroen                        | 95C      | 40       | Fouzderhat Beach                    |          |          |                        |
|                |          |                 | 22B      | 24       | Fjora                              | 3D       | 17       | Fowey                               |          |          |                        |
|                |          |                 | 23A      | 24       | Flaam                              | 186B     | 57       | Fox Harbour                         |          |          |                        |
|                |          |                 | 15C      | 17       | Flamborough Head                   | 179A     | 57       | Fox River                           |          |          |                        |
|                |          |                 | 184B     | 57       | Flat Bay                           | 140C     | 51       | Foxe Basin                          |          |          |                        |
|                |          |                 | 130D     | 48       | Flat Top Island                    | 9B       | 17       | Foynes                              |          |          |                        |
|                |          |                 | 18D      | 20       | Flatey                             | 9B       | 17       | Foynes Island                       |          |          |                        |
|                |          |                 | 18D      | 20       | Flateyri                           | 56B      | 31       | France                              |          |          |                        |
|                |          |                 | 30A      | 24       | Flaxenvik                          | 48C      | 18       | France (Channel)                    |          |          |                        |
|                |          |                 | 7A       | 17       | Fleetwood                          | 55C      | 31       | France (Mediterranean)              |          |          |                        |
|                |          |                 | 24C      | 24       | Flekkefjord                        | 43D      | 22       | Franeker                            |          |          |                        |
|                |          |                 | 24D      | 24       | Flekkeroy                          | 46A      | 20       | Frankfurt                           |          |          |                        |
|                |          |                 | 37C      | 65       | Flemhude                           |          |          | Franklin                            |          |          |                        |
|                |          |                 |          |          | Fleming                            | 31A      | 24       | Frano                               |          |          |                        |
|                |          |                 | 38A      | 25       | Flensburg                          | 144A     | 52       | Fraser River                        |          |          |                        |
|                |          |                 | 186A     | 57       | Fleur de Lys                       | 144A     | 52       | Fraser River Port (New Westminster) |          |          |                        |
|                |          |                 |          |          | Flouve Tinguillinta, see Rio Nunez | 14A      | 16       | Fraserburgh                         |          |          |                        |
|                |          |                 |          |          |                                    | 154A     | 64       | Fray Bentos                         |          |          |                        |
|                |          |                 | 64B      | 32       | Fleves Island                      | 40C      | 25       | Fredericia                          |          |          |                        |
|                |          |                 | 129D     | 48       | Flinders Island                    |          |          | Frederiksdal, see Narsaq            |          |          |                        |
|                |          |                 | 6B       | 17       | Flint                              |          |          |                                     |          |          |                        |
|                |          |                 | 171A     | 54       | Flint River                        |          |          |                                     |          |          |                        |
|                |          |                 | 16A      | 16       | Flixborough                        |          |          |                                     |          |          |                        |
|                |          |                 | 77A      | 34       | Flores Island (Azores)             |          |          |                                     |          |          |                        |
|                |          |                 | 103B     | 43       | Flores Island (Indonesia)          |          |          |                                     |          |          |                        |
|                |          |                 | 154D     | 64       | Floridianopolis                    |          |          |                                     |          |          |                        |
|                |          |                 | 170D     | 55       | Florida (FL)                       |          |          |                                     |          |          |                        |
|                |          |                 | 125A     | 48       | Florida Island                     |          |          |                                     |          |          |                        |
|                |          |                 | 125A     | 48       | Florida Islands                    |          |          |                                     |          |          |                        |
|                |          |                 | 22C      | 24       | Floro                              |          |          |                                     |          |          |                        |
|                |          |                 | 23B      | 24       | Florvaag                           |          |          |                                     |          |          |                        |
|                |          |                 | 12C      | 16       | Flotta                             |          |          |                                     |          |          |                        |
|                |          |                 | 12D      | 16       | Flotta Terminal                    |          |          |                                     |          |          |                        |
|                |          |                 | 184A     | 57       | Flowers Cove                       |          |          |                                     |          |          |                        |
|                |          |                 | 47A      | 22       | Flushing (Vlissingen)              |          |          |                                     |          |          |                        |
|                |          |                 | 47B      | 22       | Flushing East (Sloehaven)          |          |          |                                     |          |          |                        |
|                |          |                 | 126D     | 48       | Fly River                          |          |          |                                     |          |          |                        |
|                |          |                 | 102D     | 42       | Flying Fish Cove                   |          |          |                                     |          |          |                        |
|                |          |                 | 71D      | 32       | Foca                               |          |          |                                     |          |          |                        |
|                |          |                 | 185C     | 57       | Fogo Harbour                       |          |          |                                     |          |          |                        |
|                |          |                 | 185C     | 57       | Fogo Island (Canada)               |          |          |                                     |          |          |                        |

























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| 170A     | 54       | Paulina                         | 35A      | 26       | Petrodvorets              | 35A      | 26                             | Podporozhye   | 158A     | 61                                | Porlamar             |                |
| 173B     | 58       | Paulsboro                       |          |          | Petrokrepost, see         | 135D     | 39                             | Podyapolskoye | 126C     | 48                                | Porlock Harbour      |                |
| 60D      | 31       | Pavia                           |          |          | Shlisselburg              | 136C     | 14                             | Pogranichnoye | 51A      | 30                                | Pornic               |                |
| 36A      | 26       | Pavilosta                       |          | 19       | Petronella                | 116D     | 46                             | Pohang        | 106C     | 44                                | Poro (Luzon Island)  |                |
| 104A     | 43       | Payah                           | 137B     | 14       | Petropavlovsk-Kamchatskiy | 33C      | 26                             | Pohja         | 132D     | 48                                | Poro (New Caledonia) |                |
| 166C     | 60       | Payardi Island                  |          |          | 62C                       | 29       | Petrovac                       | 124D          | 48       | Pohnpei (Ponape) Island           |                      |                |
| 73A      | 33       | Payas                           |          |          | 35A                       | 9        | Petrozavodsk                   | 141A          | 50       | Point Barrow                      |                      |                |
| 154A     | 64       | Paysandu                        |          |          | 137C                      | 14       | Pevek                          | 173A          | 58       | Point Breeze                      |                      |                |
| 70A      | 29       | Pazar                           |          |          | 36B                       | 26       | Peysel                         | 94B           | 40       | Point Calimere                    |                      |                |
| 135B     | 49       | Pearl Harbour                   |          |          | 64B                       | 32       | Phaleron Bay                   | 78B           | 34       | Point Central                     |                      |                |
|          |          | Pearl River, see Zhu Jiang      |          |          | 173A                      | 58       | Philadelphia                   | 128A          | 48       | Point Cloates                     |                      |                |
| 85A      | 35       | Pebane                          |          |          | 105A                      | 44       | Philippines                    | 168D          | 54       | Point Comfort                     |                      |                |
| 156A     | 62       | Pecem                           |          |          | 161D                      | 61       | Philipsburg                    | 146B          | 53       | Point Conception                  |                      |                |
| 138C     | 21       | Pechenga                        |          |          | 92B                       | 40       | Phitti Creek                   | 177D          | 57       | Point Edward                      |                      |                |
| 138A     | 14       | Pechora, River                  |          |          | 110B                      | 41       | Phnom Penh                     | 160B          | 61       | Point Fortin                      |                      |                |
| 157D     | 61       | Pedernales                      |          |          | 134D                      | 49       | Phoenix Islands                | 174C          | 58       | Point Judith                      |                      |                |
| 78C      | 34       | Pedra de Lume                   |          |          | 110D                      | 41       | Phu My                         | 141A          | 50       | Point Lay                         |                      |                |
| 148B     | 60       | Pedregal                        |          |          | 110A                      | 41       | Phu Quoc Island                | 130A          | 48       | Point Lillias                     |                      |                |
|          |          | Pedro Miguel Locks              |          |          | 96B                       | 41       | Phuket                         | 160B          | 61       | Point Lisas                       |                      |                |
| 174A     | 58       | Peekskill                       |          |          | 110B                      | 41       | Phuoc Khanh                    | 6A            | 17       | Point Lynas                       |                      |                |
| 7B       | 17       | Peel                            |          |          | 110D                      | 41       | Phuoc Tai                      | 128B          | 48       | Point Moore                       |                      |                |
| 37A      | 25       | Peene, River                    |          |          | 146D                      | 59       | Pichilingue                    | 128A          | 48       | Point Murat                       |                      |                |
| 37A      | 25       | Peenemunde                      |          |          | 19                        | 19       | Pickerill                      | 6A            | 17       | Point of Air                      |                      |                |
| 102B     | 42       | Pekalongan                      |          |          | 157B                      | 62       | Pickersgill                    | 7A            | 17       | Point of Ayre                     |                      |                |
| 97B      | 41       | Pekan                           |          |          | 77A                       | 34       | Pico Island                    | 145D          | 53       | Point Orient                      |                      |                |
| 101A     | 42       | Pekanbaru                       |          |          | 182D                      | 56       | Pictou (Canada)                | 94B           | 40       | Point Palmyra                     |                      |                |
|          |          | Peking, see Beijing             |          |          | 131D                      | 48       | Pictou (New Zealand)           | 94B           | 40       | Point Pedro                       |                      |                |
| 59B      | 28       | Pelagie Islands                 |          |          | 178A                      | 57       | Pictou                         | 145C          | 53       | Point Reyes                       |                      |                |
| 182B     | 56       | Pelee Island                    |          |          | 7A                        | 17       | Piel                           | 177C          | 57       | Point Tupper                      |                      |                |
|          |          | Pelican                         |          |          | 12D                       | 16       | Pierowall Harbour              | 144B          | 52       | Point Wells                       |                      |                |
| 60D      | 31       | Pellestrina                     |          |          | 32C                       | 26       | Pietarsaari (Jakobstad)        | 130A          | 48       | Point Wilson                      |                      |                |
| 42A      | 23       | Pellworm Island                 |          |          | 57B                       | 31       | Pietra Ligure                  | 160B          | 61       | Pointe a Pierre                   |                      |                |
| 154C     | 64       | Pelotas                         |          |          | 160C                      | 61       | Pigeon Point                   | 161B          | 61       | Pointe a Pitre                    |                      |                |
| 100A     | 42       | Pemangkat                       |          |          | 164C                      | 60       | Pilon                          | 186A          | 57       | Pointe Armour                     |                      |                |
| 85B      | 35       | Pemba                           |          |          | 169C                      | 54       | Pilos, see Pylos               | 183C          | 57       | Pointe au Boisvert                |                      |                |
| 86C      | 35       | Pemba Island                    |          |          | 136C                      | 14       | Pilvo                          | 179B          | 57       | Pointe au Pere (Father Point)     |                      |                |
| 5C       | 17       | Pembroke                        |          |          | 149C                      | 62       | Pimentel                       | 183B          | 57       | Pointe au Pic                     |                      |                |
| 96C      | 41       | Penang (Pinang)                 |          |          | 171A                      | 55       | Pine Island                    | 183B          | 57       | Pointe au Platon                  |                      |                |
| 97D      | 41       | Penara Terminal                 |          |          | 172C                      | 58       | Piney Point (MD)               | 51B           | 30       | Pointe aux Herbes                 |                      |                |
| 5A       | 17       | Penarth                         |          |          | 113A                      | 47       | Pinghai                        | 183A          | 57       | Pointe aux Trembles               |                      |                |
| 151A     | 63       | Penco                           |          |          | 115A                      | 47       | Pingtang                       | 83A           | 36       | Pointe Banda                      |                      |                |
| 4B       | 17       | Pendeen                         |          |          | 17A                       | 17       | Pinmill                        | 51C           | 30       | Pointe de Grave                   |                      |                |
| 182A     | 56       | Penetanguishene                 |          |          | 42B                       | 23       | Pinnau, River                  | 163C          | 61       | Pointe de Mont Rouis              |                      |                |
| 115C     | 46       | Penglai                         |          |          | 57D                       | 31       | Piombino                       | 86A           | 35       | Pointe des Galets                 |                      |                |
|          |          | Penguin                         |          |          | 36B                       | 26       | Pionerskiy                     | 78B           | 34       | Pointe des Mouettes               |                      |                |
| 53B      | 28       | Peniche                         |          |          | 92D                       | 40       | Pipavav                        | 178B          | 57       | Pointe du Chene                   |                      |                |
| 97B      | 42       | Peninsular Malaysia (E. coast)  |          |          | 19                        | 19       | Piper                          | 110A          | 41       | Pointe du Depart                  |                      |                |
|          |          | Peninsular Malaysia (W. coast)  |          |          | 64B                       | 32       | Piraeus                        | 83A           | 36       | Pointe Indienne                   |                      |                |
| 96C      | 41       | Peninsular Malaysia (W. coast)  |          |          | 61A                       | 31       | Piran                          | 183D          | 57       | Pointe Noire (Canada)             |                      |                |
| 6A       | 17       | Penmaenmawr                     |          |          | 50D                       | 30       | Piriatic                       | 83A           | 36       | Pointe Noire (The Congo)          |                      |                |
| 50B      | 18       | Penmarc'h Point                 |          |          | 154B                      | 64       | Piriapolis                     | 82D           | 36       | Pointe Ognone                     |                      |                |
| 81A      | 36       | Pennington Terminal             |          |          | 158B                      | 61       | Piritu                         | 50B           | 18       | Pointe St. Mathieu                |                      |                |
| 173A     | 58       | Pennsylvania (PA) (Atlantic)    |          |          | 57C                       | 31       | Pisa                           | 137C          | 14       | Pokhodsk                          |                      |                |
|          |          | Pennsylvania (PA) (Great Lakes) |          |          | 150B                      | 62       | Pisagua                        | 36B           | 25       | Pola, see Pula                    |                      |                |
| 175C     | 57       | Penobscot River                 |          |          | 4A                        | 17       | Poldhu                         | 36B           | 25       | Poland                            |                      |                |
| 3D       | 17       | Penryn                          |          |          | 149D                      | 62       | Pisco                          | 4A            | 17       | Poldhu                            |                      |                |
| 3D       | 17       | Penryn River                    |          |          | 184A                      | 57       | Pistolet Bay                   | 36D           | 25       | Police                            |                      |                |
| 170D     | 54       | Pensacola                       |          |          | 134C                      | 49       | Pitcairn Island                | 106B          | 44       | Polillo                           |                      |                |
| 173B     | 58       | Pensauken                       |          |          | 134B                      | 49       | Pitcairn Islands               | 106B          | 44       | Polillo Island                    |                      |                |
| 3D       | 17       | Pentewan                        |          |          | 31D                       | 26       | Pitea                          | 24C           | 24       | Pollen                            |                      |                |
| 12C      | 16       | Pentland Firth                  |          |          | 34D                       | 26       | Pitkaranta                     | 108C          | 44       | Polloc                            |                      |                |
| 12C      | 16       | Pentland Skerries               |          |          | 14B                       | 16       | Pittenweem                     | 138C          | 21       | Polyarnyy                         |                      |                |
| 101C     | 42       | Penuba                          |          |          | 145D                      | 53       | Pittsburg                      | 104D          | 43       | Pomalaa                           |                      |                |
| 4A       | 17       | Penzance                        |          |          | 170C                      | 55       | Pittsburgh (PA)                | 53C           | 30       | Pomarao                           |                      |                |
| 79C      | 36       | Pepel                           |          |          | 140A                      | 14       | Pituffik                       | 157B          | 62       | Pomeroon River                    |                      |                |
| 96C      | 41       | Perai                           |          |          | 148D                      | 62       | Pizarro                        | 126A          | 48       | Pomio                             |                      |                |
| 64B      | 32       | Perama                          |          |          | 185A                      | 57       | Placencia                      | 66C           | 32       | Pomorje                           |                      |                |
| 101A     | 42       | Perawang                        |          |          | 184D                      | 57       | Placencia Bay                  |               |          | Ponape Island, see Pohnpei Island |                      |                |
| 179A     | 57       | Perce                           |          |          | 108A                      | 44       | Placer                         | 162C          | 61       | Ponce                             |                      |                |
| 88D      | 35       | Perim (Mayyun) Island           |          |          | 101C                      | 42       | Plaju                          | 94D           | 40       | Pondicherry                       |                      |                |
| 68D      | 27       | Perm                            |          |          | 170B                      | 54       | Plaquemine                     | 138B          | 21       | Pongoma                           |                      |                |
| 34A      | 26       | Pernaja                         |          |          | 108B                      | 44       | Plaridel                       | 93C           | 40       | Ponnani                           |                      |                |
| 44D      | 22       | Pernis                          |          |          | 136A                      | 39       | Plastun                        | 49A           | 18       | Pont Audemer                      |                      |                |
| 50A      | 18       | Perros Guirec                   |          |          | 152D                      | 64       | Plate, River (Argentina)       | 50B           | 18       | Pont l'Abbe                       |                      |                |
| 128B     | 48       | Perth (Australia)               |          |          | 154B                      | 64       | Plate, River (Uruguay)         | 156A          | 62       | Ponta da Madeira                  |                      |                |
| 14B      | 16       | Perth (Scotland)                |          |          | 63A                       | 29       | Platiyali                      | 79B           | 36       | Ponta de Pau                      |                      |                |
| 173C     | 58       | Perth Amboy                     |          |          | 109C                      | 41       | Platong Terminal               | 77B           | 34       | Ponta Delgada (Azores)            |                      |                |
| 158B     | 61       | Pertigalete                     |          |          | 167D                      | 60       | Playa del Carmen               | 77C           | 34       | Ponta Delgada (Madeira Islands)   |                      |                |
| 158B     | 61       | Pertigalete Bay                 |          |          | 184B                      | 57       | Pleasant Cove                  |               |          | 77B                               | 34                   | Ponta do Arnel |
| 57C      | 31       | Pertusola                       |          |          | 142B                      | 52       | Pleasant Island                | 78B           | 34       | Ponta do Sol                      |                      |                |
| 149B     | 62       | Peru                            |          |          | 50A                       | 18       | Pleubian                       | 155B          | 64       | Ponta do Ubu                      |                      |                |
| 135C     | 39       | Pervaya Rechka                  |          |          | 62B                       | 29       | Ploce                          | 85A           | 35       | Ponta Dobela                      |                      |                |
| 60C      | 31       | Pesaro                          |          |          | 61B                       | 31       | Plomin                         | 49C           | 18       | Pontaubault                       |                      |                |
| 149D     | 62       | Pescadores Islands (Peru)       |          |          | 50A                       | 18       | Plouescat                      | 52D           | 30       | Pontevedra                        |                      |                |
| 113B     | 47       | Pescadores Islands (Taiwan)     |          |          | 50B                       | 18       | Plougastel                     | 100A          | 42       | Pontianak                         |                      |                |
|          |          | Pescara                         |          |          | 143C                      | 52       | Plumper Sound                  | 49D           | 18       | Pontrieux                         |                      |                |
| 14A      | 16       | Peterhead                       |          |          | 3C                        | 17       | Plymouth (England)             | 58A           | 28       | Ponza                             |                      |                |
| 142C     | 52       | Petersburg                      |          |          | 161B                      | 61       | Plymouth (Montserrat)          | 58A           | 28       | Ponza Island                      |                      |                |
| 49B      | 18       | Petit Couronne                  |          |          | 160C                      | 61       | Plymouth (Trinidad and Tobago) | 2D            | 17       | Poole                             |                      |                |
| 163C     | 61       | Petit Goave                     |          |          | 175A                      | 58       | Plymouth (U.S.A.)              | 44D           | 22       | Poortershaven                     |                      |                |
| 49B      | 18       | Petit Quevilly                  |          |          | 3C                        | 17       | Plymouth Sound                 | 92D           | 40       | Porbandar                         |                      |                |
| 176A     | 57       | Petitcodiac River               |          |          | 63C                       | 32       | Plytra                         | 61B           | 31       | Porec (Parenzo)                   |                      |                |
| 179B     | 57       | Petite Vallee                   |          |          | 60C                       | 31       | Po, River                      | 33A           | 26       | Pori                              |                      |                |
|          |          |                                 |          |          | 66B                       | 32       | Podima                         | 33D           | 26       | Porkkala                          |                      |                |









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| 3A       | 18       | St. Peter Port                               | 111B     | 41                    | Sam Son                                     | 146B     | 53                             | San Pedro (U.S.A.)                  | 146A     | 53       | Santa Cruz (U.S.A.)                  |
| 177C     | 57       | St. Peter's                                  | 165C     | 60                    | Sama  | 163A     | 61                             | San Pedro de Macoris                | 78A      | 34       | Santa Cruz de la Palma               |
| 178B     | 57       | St. Peter's Harbour                          | 162D     | 61                    | Samana (Santa Barbara de Samana)            | 54C      | 28                             | San Pedro del Pinatar               | 77D      | 34       | Santa Cruz de Tenerife               |
| 171A     | 55       | St. Petersburg                               | 162D     | 61                    | Samana Bay                                  | 57A      | 28                             | San Pietro Island                   | 164D     | 60       | Santa Cruz del Sur                   |
| 34D      | 26       | St. Petersburg (Leningrad)                   | 149C     | 62                    | Samanco Bay                                 | 164C     | 60                             | San Ramon                           | 125A     | 48       | Santa Cruz Islands                   |
| 179C     | 57       | Ste. Petronille                              | 117D     | 45                    | Samani                                      | 57B      | 31                             | San Remo                            | 52D      | 30       | Santa Eugenia de Riveira             |
| 161A     | 61       | St. Pierre (Martinique)                      | 106D     | 44                    | Samar Island                                | 54A      | 30                             | San Roque                           | 153C     | 64       | Santa Fe                             |
| 184D     | 57       | St. Pierre (St. Pierre and Miquelon)         | 68D      | 27                    | Samara (Kuybyshev)                          | 166A     | 60                             | San Salvador                        | 125B     | 48       | Santa Isabel Island                  |
| 184C     | 57       | St. Pierre and Miquelon                      | 126D     | 48                    | Samarai                                     | 78A      | 34                             | San Salvador Island                 | 58A      | 31       | Santa Liberata                       |
| 184D     | 57       | St. Pierre Island (St. Pierre and Miquelon)  | 126D     | 48                    | Samarai Island                              | 51D      | 30                             | San Sebastian (Spain)               | 165A     | 60       | Santa Lucia                          |
| 86B      | 35       | St. Pierre Island (Seychelles)               | 99C      | 42                    | Samarinda                                   | 152B     | 63                             | San Sebastian Terminal              | 60D      | 31       | Santa Margherita (Italy, N.E. coast) |
| 49D      | 18       | Saint Quay Portrieux                         | 100A     | 42                    | Sambas                                      | 105B     | 44                             | San Teodoro                         | 57C      | 31       | Santa Margherita (Italy, N.W. coast) |
| 56A      | 31       | St. Raphael                                  | 100A     | 42                    | Sambas, River                               | 151A     | 63                             | San Vicente (Chile)                 | 78C      | 34       | Santa Maria                          |
| 179C     | 57       | St. Romuald                                  | 86A      | 35                    | Sambava                                     | 106B     | 44                             | San Vicente (Philippines)           | 77B      | 34       | Santa Maria Island                   |
| 170A     | 54       | St. Rose                                     | 177A     | 57                    | Sambro Harbour                              | 35       | 35                             | Sana                                | 159B     | 60       | Santa Marta                          |
| 3A       | 18       | St. Sampson                                  | 116C     | 46                    | Samchok                                     | 15       | 15                             | Sanae                               | 146B     | 53       | Santa Monica                         |
| 49D      | 18       | St. Servan                                   | 116C     | 46                    | Samchopno                                   | 56A      | 31                             | Sanary-sur-Mer                      | 59C      | 28       | Santa Panagia (Melilili)             |
| 175D     | 57       | St. Stephen                                  | 133D     | 49                    | Samoa (Samoa)                               | 113A     | 47                             | Sanbaimen                           | 54C      | 28       | Santa Pola                           |
| 162A     | 61       | St. Thomas                                   | 145C     | 50                    | Samoa (U.S.A.)                              | 112B     | 46                             | Sanbu                               | 167A     | 60       | Santa Rosa de Aguan                  |
| 56A      | 31       | St. Tropez                                   | 63A      | 29                    | Samos (Cephalonia Island)                   | 162D     | 61                             | Sanchez                             | 147A     | 59       | Santa Rosalia                        |
| 5D       | 17       | St. Tudwal's Roads                           | 72A      | 32                    | Samos (Samos Island)                        | 24B      | 24                             | Sand                                | 56D      | 31       | Santa Teresa Gallura                 |
| 49C      | 18       | St. Vaast la Hougue                          | 72A      | 32                    | Samos Island                                | 141C     | 14                             | Sand Bay                            | 99B      | 42       | Santa Terminal                       |
| 48D      | 18       | St. Valery en Caux                           | 66A      | 32                    | Samothraki Island                           | 171B     | 55                             | Sand Key                            | 156C     | 62       | Santana                              |
| 48D      | 18       | St. Valery sur Somme                         | 104D     | 43                    | Sampaga                                     | 98D      | 42                             | Sandakan                            | 52A      | 30       | Santander                            |
| 160C     | 61       | St. Vincent and the Grenadines               | 99D      | 42                    | Sampit                                      | 22C      | 24                             | Sandane                             | 156C     | 62       | Santarem                             |
| 78B      | 34       | St. Vincent Island                           | 40A      | 25                    | Samso                                       | 30C      | 24                             | Sandarne                            | 63       | 63       | Santiago (Chile)                     |
| 49A      | 18       | St. Wandrille                                | 70B      | 29                    | Samsun                                      | 12D      | 16                             | Sanday                              | 164C     | 60       | Santiago (Cuba)                      |
| 124B     | 48       | Saipan Island                                | 109C     | 41                    | Samut Sakhon                                | 25D      | 24                             | Sande                               | 78C      | 34       | Santiago Island                      |
| 123A     | 45       | Saitozaki                                    | 167A     | 60                    | San Andres                                  | 25C      | 24                             | Sandefjord                          | 133A     | 48       | Santo                                |
| 119C     | 45       | Saizaki                                      | 150D     | 63                    | San Antonio (Chile)                         | 48C      | 18                             | Sandettie Light Vessel              | 78B      | 34       | Santo Antao Island                   |
| 120B     | 45       | Sakai  | 153D     | 64                    | San Antonio (Paraguay)                      | 2A       | 17                             | Sandgate                            | 82C      | 36       | Santo Antonio                        |
| 122B     | 45       | Sakaide                                      | 152C     | 63                    | San Antonio Este                            | 19B      | 20                             | Sandgerdhi                          | 163A     | 61       | Santo Domingo                        |
| 118C     | 45       | Sakaimitato                                  | 60C      | 28                    | San Benedetto del Tronto                    | 28B      | 25                             | Sandhammaren                        | 106D     | 44       | Santo Nino                           |
| 118A     | 45       | Sakata                                       | 147B     | 59                    | San Blas                                    | 13D      | 16                             | Sandhaven                           | 106D     | 44       | Santo Nino Island                    |
| 136A     | 39       | Sakhalin Island                              | 146D     | 59                    | San Carlos (Baja California)                | 95B      | 40                             | Sandheads                           | 167B     | 60       | Santo Tomas de Castilla              |
| 123B     | 45       | Sakito                                       | 107C     | 44                    | San Carlos (Philippines)                    | 24B      | 24                             | Sandnes                             | 52A      | 30       | Santona                              |
| 174D     | 58       | Sakonnet River                               | 147A     | 59                    | San Carlos (Sonora)                         | 21A      | 20                             | Sandnessjoen                        |          |          | Santorini Island, see Thira Island   |
| 39B      | 25       | Saksokobing                                  | 55B      | 28                    | San Carlos de la Rapita                     | 31B      | 24                             | Sando                               | 154D     | 64       | Santos                               |
| 78C      | 34       | Sal Island                                   | 52B      | 30                    | San Ciprian                                 | 95D      | 41                             | Sandoway                            | 51D      | 30       | Santurce                             |
| 35D      | 26       | Salacgriva                                   | 146C     | 53                    | San Clemente                                | 17C      | 20                             | Sandoy                              | 112A     | 41       | Sanya (Ya Xian)                      |
| 128A     | 48       | Saladin Terminal                             | 125A     | 48                    | San Cristobal (Makira Island)               | 17C      | 20                             | Sandsfjordur (Sans Vaag)            | 155C     | 62       | Sao Francisco do Norte River         |
| 148D     | 62       | Salahonda                                    | 146C     | 53                    | San Diego                                   | 21D      | 24                             | Sandstad                            |          |          | Sao Francisco do Sul                 |
| 92A      | 37       | Salakh                                       | 52B      | 30                    | San Esteban de Pravia                       | 114A     | 47                             | Sandstao                            | 156A     | 62       | Sao Luiz de Maranhao                 |
| 89A      | 35       | Salalah (Mina Raysut)                        | 55B      | 31                    | San Felii de Guixols                        | 19A      | 20                             | Sandua                              | 84A      | 34       | Sao Nicolau, River                   |
| 147D     | 60       | Salamar                                      | 157C     | 61                    | San Felix                                   | 19A      | 20                             | Sandur                              | 155C     | 62       | Sao Roque                            |
| 126C     | 48       | Salamaua                                     | 153A     | 64                    | San Fernando (Argentina)                    | 26A      | 24                             | Sandusky                            | 154D     | 64       | Sao Sebastiao                        |
| 64A      | 32       | Salamis Island                               | 53D      | 30                    | San Fernando (Spain)                        | 180B     | 56                             | Sandusky                            | 82C      | 36       | Sao Tome                             |
| 20B      | 21       | Salangen                                     | 160B     | 61                    | San Fernando (Trinidad and Tobago)          | 17C      | 20                             | Sandvagar                           | 82C      | 36       | Sao Tome and Principe                |
| 149C     | 62       | Salaverry                                    | 106C     | 44                    | San Fernando Harbour                        | 25A      | 24                             | Sandvik (Norway, S.E. coast)        | 82C      | 36       | Sao Tome Island                      |
| 103D     | 43       | Salawati                                     | 78C      | 34                    | San Filipe                                  | 23B      | 24                             | Sandvik (Norway, W. coast)          | 55D      | 31       | Saone, River                         |
| 92C      | 40       | Salaya                                       | 146A     | 53                    | San Francisco (U.S.A.)                      | 32A      | 26                             | Sandvik (Seskaro Island)            | 98D      | 42       | Sapangar Bay                         |
| 3C       | 17       | Salcombe                                     | 159A     | 61                    | San Francisco (Venezuela)                   | 31C      | 24                             | Sandvik (Sweden, N.E. coast)        | 80D      | 36       | Sapele                               |
| 84C      | 34       | Saldanha Bay                                 | 146A     | 53                    | San Francisco Bay                           | 26A      | 24                             | Sandvika                            | 171D     | 55       | Sapelo Island                        |
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## Lloyd's Maritime Atlas 23rd Edition

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