



LLOYD'S

MARITIME ATLAS

OF WORLD PORTS AND SHIPPING PLACES

WORLD DISTANCE TABLES

Mileage extracted from BP Shipping Marine Distance Tables

Distance (nautical miles)		AFRICA & MIDDLE EAST						ASIA						AUSTRALASIA						
		Mombasa	Algiers	Port Said	Kuwait	Lagos	Cape Town	Mumbai	Kolkata	Singapore	Hong Kong	Manila	Tokyo	Shanghai	Fremantle	Adelaide	Sydney	Hobart	Wellington	Suva
AFRICA & MIDDLE EAST	Mombasa		●4492	●2989	2828	5064	2509	2400	3701	3985	5441	5322	6885	6218	4564	5708	6505	6171	7409	8160
	Algiers	12-11		1503	●4809	3506	5502	●4549	●6194	●6517	●7973	●7854	●9417	●8750	●7804	●9002	●9799	●9465	●10703	+11088
	Port Said	8-7	4-4		●3306	5007	●5346	●3046	●4691	●5014	●6470	●6351	●7914	●7247	●6301	●7499	●8296	●7962	●9200	●9635
	Kuwait	7-21	13-9	9-14		7724	5169	1537	3522	3845	5301	5182	6745	6078	5391	6623	7420	7086	8324	8483
	Lagos	14-2	9-18	13-22	21-11		2566	7154	8044	8166	9472	9246	10918	10254	7270	8361	9158	8824	9750	10545
	Cape Town	6-23	15-7	14-20	14-9	7-3		4599	5489	5611	6917	6691	8363	7699	4715	5766	6563	6229	7467	8218
ASIA	Mumbai	6-16	12-15	8-11	4-6	19-21	12-19		2112	2435	3891	3772	5335	4668	3982	5220	6017	5683	6921	7073
	Kolkata	10-7	17-5	13-1	9-19	22-8	15-6	5-21		1650	3106	2987	4550	3883	3684	4957	5754	5420	6658	6378
	Singapore	11-2	18-2	13-22	10-16	22-16	15-14	6-18	4-14		1460	1341	2904	2237	2220	3504	4273	3967	5205	4733
	Hong Kong	15-3	22-4	17-23	14-17	26-7	19-5	10-19	8-15	4-1		632	1596	845	3504	4799	4511	5128	5266	4507
	Manila	14-19	21-20	17-15	14-9	25-16	18-14	10-13	8-7	3-17	1-18		1770	1128	2971	4266	3964	4581	4755	4033
	Tokyo	19-3	26-4	22-0	18-18	30-8	23-6	14-20	12-15	8-2	4-10	4-22		1048	4500	5299	4343	4960	5041	3957
	Shanghai	17-7	24-4	20-3	16-21	28-12	21-9	12-23	10-19	6-5	2-8	3-3	2-22		4037	5332	4632	5249	5358	4473
AUSTRALASIA	Fremantle	12-16	21-16	17-12	14-23	20-5	13-2	11-1	10-6	6-4	9-18	8-6	12-12	11-5		1343	2140	1806	3044	3795
	Adelaide	15-21	25-0	20-20	18-10	23-5	16-0	14-12	13-18	9-18	13-8	11-20	14-17	14-19	3-18		973	756	1884	2626
	Sydney	18-2	27-5	23-1	20-15	25-11	18-6	16-17	16-0	11-21	12-13	11-0	12-2	12-21	5-23	2-17		638	1236	1735
	Hobart	17-3	26-7	22-3	19-16	24-12	17-7	15-19	15-1	11-0	14-6	12-17	13-19	14-14	5-0	2-2	1-19		1293	2197
	Wellington	20-14	29-18	25-13	23-3	27-2	20-18	19-5	18-12	14-11	14-15	13-5	14-0	14-21	8-11	5-6	3-10	3-14		1476
	Suva	22-16	30-19	26-18	23-14	29-7	22-20	19-16	17-17	13-4	12-12	11-5	11-0	12-10	10-13	7-7	4-20	6-2	4-2	
SOUTH AMERICA	La Guaira	22-12	11-7	15-11	24-15	11-18	15-14	23-22	28-12	29-9	27-23	28-10	23-19	26-6	28-3	25-11	23-18	23-15	20-11	19-23
	Recife	16-2	9-20	14-0	23-4	6-20	9-5	21-22	24-9	24-17	28-8	27-17	30-7	30-12	22-5	25-6	25-2	24-14	21-17	23-22
	Buenos Aires	17-3	15-20	20-0	24-13	11-23	10-8	22-23	25-10	25-18	29-9	28-18	29-15	31-0	23-6	21-6	19-22	19-10	16-14	18-19
	Punta Arenas	18-15	18-20	23-0	26-0	14-10	11-20	24-10	26-22	26-8	26-22	25-13	25-18	27-3	20-8	17-9	16-1	15-14	12-17	14-22
	Valparaiso	22-14	20-13	24-17	30-0	18-9	15-19	28-10	31-21	27-18	28-9	26-22	25-20	28-4	21-18	18-19	17-11	16-23	14-2	16-0
	Callao	26-0	17-0	21-4	30-8	17-19	19-5	29-15	33-16	29-15	27-14	27-9	23-10	25-20	23-15	20-16	19-7	18-20	15-21	16-15
NORTH AMERICA	Montreal	22-11	9-23	14-4	23-8	14-6	19-18	22-15	27-4	28-2	32-3	31-19	30-9	32-19	31-16	32-0	30-7	30-4	27-0	26-12
	Halifax	21-4	8-16	12-20	22-1	12-13	18-1	21-8	25-21	26-19	30-20	30-12	27-21	30-7	30-9	29-13	27-19	27-17	24-13	24-1
	New York	22-13	10-1	14-5	23-10	13-13	18-21	22-16	27-6	28-4	31-3	31-14	26-23	29-9	31-7	28-15	26-22	26-19	23-15	23-3
	New Orleans	26-7	13-20	18-0	27-5	16-0	20-7	26-12	31-21	31-22	29-13	30-0	25-9	27-20	29-17	27-1	25-8	25-5	22-1	21-13
	San Francisco	31-12	22-7	26-11	31-2	23-3	26-23	27-4	25-0	20-10	16-19	17-7	12-16	15-0	23-15	20-10	17-22	19-6	16-10	13-5
	Vancouver	30-18	24-11	28-15	30-8	25-6	29-3	26-10	24-6	19-16	16-0	16-13	11-21	14-5	23-10	21-12	18-23	20-10	17-23	14-10
	Honolulu	27-9	26-7	30-6	27-0	27-3	29-12	23-2	20-22	16-8	13-10	13-6	9-11	12-17	18-2	14-20	12-7	13-17	11-10	7-18
CENTRAL AMERICA	Balboa	24-20	13-6	17-10	26-15	14-2	17-23	25-22	30-11	29-4	25-13	26-0	21-9	23-19	26-0	23-1	21-8	21-5	18-1	17-13
	Port of Spain	21-16	10-15	14-19	23-23	10-22	14-18	23-6	27-20	28-17	28-20	29-6	24-16	27-2	27-19	26-7	24-14	24-12	21-7	20-19
	Salina Cruz	28-2	16-13	20-17	29-21	17-8	21-5	29-4	30-14	26-0	22-10	22-21	18-6	20-16	25-4	21-23	19-20	20-9	16-20	15-8
	Tampico	27-3	14-15	18-19	28-0	16-17	20-20	27-6	31-20	32-18	29-18	30-4	25-14	28-0	29-22	27-6	25-12	25-10	22-6	21-18
	Kingston	24-8	12-0	16-4	25-9	13-9	17-11	24-15	29-5	30-3	27-5	27-15	23-1	25-11	27-9	24-16	22-23	22-21	19-16	19-4
EUROPE	London	17-7	4-19	9-0	18-4	11-11	17-0	17-11	22-0	22-22	26-23	26-15	30-23	29-3	26-12	29-19	32-1	31-2	31-9	30-21
	Rotterdam	17-10	4-22	9-2	18-7	11-14	17-3	17-13	22-3	23-1	27-2	26-18	31-2	29-5	26-14	29-22	32-3	31-5	31-11	30-23
	Hamburg	18-2	5-15	9-19	19-0	12-7	17-20	18-6	22-20	23-17	27-18	27-11	31-19	29-22	27-7	30-15	32-20	31-22	32-4	31-16
	Stockholm	20-2	7-15	11-19	21-0	14-7	19-20	20-6	24-20	25-17	29-18	29-11	33-19	31-22	29-7	32-15	34-20	33-22	33-14	33-2
	Marseilles	12-12	1-3	4-5	13-9	10-12	16-1	12-16	17-6	18-3	22-4	21-20	26-4	24-8	21-17	25-1	27-6	26-8	29-18	30-23
	Gibraltar	13-15	1-3	5-8	14-12	8-15	14-4	13-19	18-8	19-6	23-7	22-23	27-7	25-11	22-20	26-3	28-9	27-10	30-4	29-16
	Piraeus	9-23	2-23	1-16	10-20	12-17	16-12	10-3	14-16	15-14	19-15	19-7	23-15	21-19	19-4	22-11	24-17	23-18	27-5	28-10

× Via Kiel Canal + Via Panama Canal
 ● Via Suez Canal

WORLD DISTANCE TABLES

SOUTH AMERICA						NORTH AMERICA							CENTRAL AMERICA					EUROPE						
La Guayra	Recife	Buenos Aires	Punta Arenas	Valparaiso	Callao	Montreal	Halifax	New York	New Orleans	San Francisco	Vancouver	Honolulu	Balboa	Port of Spain	Salina Cruz	Tampico	Kingston	London	Rotterdam	Hamburg	Stockholm	Marseilles	Gibraltar	Praeus
8094	5794	6168	6706	8133	9361	●8082	●7616	●8108	●9472	●11337	11063	9858	+8942	●7793	+10115	●9759	8758	●6222	●6263	●6516	●7236	●4501	●4902	●3582
4064	3540	5701	+6774	+7391	+6116	3592	3126	3618	4982	+8022	+8801	+9464	+4776	3823	+5949	5269	4325	1732	1773	2026	2746	410	412	1071
5565	5041	7202	+8275	+8892	+7617	5093	4627	5119	6483	+9523	+10302	●10887	+6277	5324	+7450	6770	5826	3233	3274	3527	4247	1512	1913	593
8871	8347	8828	9366	10793	●10923	●8399	●7933	●8425	●9789	11197	10923	9718	‡9583	●8630	‡10756	●10076	●9132	●6539	●6580	●6833	●7553	●4818	●5219	●3899
4230	2453	4304	5186	6613	+6412	5130	4512	4870	5754	+8318	+9097	+9760	+5072	3929	+6245	6018	4821	4130	4171	4424	5144	3784	3098	4575
5617	3318	3718	4256	5683	6911	●7115	6489	6789	7306	+9710	10489	10626	+6464	5315	+7637	7498	6279	6122	6163	6416	7136	5780	5094	5939
●8611	7884	8258	8796	10223	+10663	●8139	●7673	●8165	●9529	9787	9513	8308	‡9323	●8370	‡10496	●9816	●8872	●6279	●6320	●6573	●7293	●4558	●4959	●3639
●10256	8774	9148	9686	11113	12115	●9784	●9318	●9810	●11174	9002	8728	7523	‡10968	●10015	11008	●11461	●10517	●7924	●7965	●8218	●8938	●6203	●6604	●5284
●10579	8896	9270	9482	9988	10662	●10107	●9641	●10133	●11497	7356	7082	5877	10495	●10338	9362	●11784	●10840	●8247	●8288	●8541	●9261	●6526	●6927	●5607
+10069	10202	10576	9708	10214	9929	●11563	●11097	+11207	+10638	6044	5760	4837	9196	+10375	8070	+10708	+9790	●9703	●9744	●9997	●10717	●7982	●8383	●7063
+10228	9976	10350	9202	9689	9849	●11444	●10978	+11366	+10797	6223	5950	4769	9355	●10534	8229	+10867	+9949	●9584	●9625	●9878	●10598	●7863	●8264	●6944
+8572	10911	10666	9271	9294	8424	+10928	+10036	+9710	+9141	4559	4276	3402	7699	+8878	6569	+9211	+8293	●11147	●11188	●11441	●12161	●9426	●9827	●8507
●9444	10984	11163	9768	10134	9304	+11800	+10908	+10582	+10013	5398	5114	4572	8571	9750	7443	+10083	+9165	●10480	●10521	●10774	●11494	●8759	●9160	●7840
10130	8000	8374	7321	7827	8501	●11394	●10928	+11268	+10699	8501	8428	6503	9357	+9999	9065	+10769	+9851	●9534	●9575	●9828	●10548	●7813	●8214	●6894
+9165	9091	7651	6256	6762	7436	+11521	+10629	+10303	+9734	7356	7745	5336	8292	+9471	7898	+9804	+8886	●10732	●10773	●11026	●11746	●9011	●9412	●8092
+8546	9027	7174	5779	6281	6944	+10902	+10010	+9684	+9115	6456	6822	4427	7673	+8852	7142	+9185	+8267	●11529	●11570	●11823	●12543	●9808	●10209	●8889
+8509	8848	6995	5603	6106	6780	+10865	+9973	+9647	+9078	6930	7346	4931	7636	+8815	7331	+9148	+8230	●11195	●11236	●11489	●12209	●9474	●9875	●8555
+7365	7818	5965	4570	5069	5717	+9721	+8829	+8503	+7934	5909	6459	4114	6492	+7671	6059	+8004	+7086	+11291	+11332	+11585	+12097	●10712	+10860	●9793
+7185	8617	6764	5369	5758	5980	+9541	+8649	+8323	+7754	4760	5187	2783	6312	+7491	5521	+7824	+6906	+11111	+11152	+11405	+11917	●11147	+10680	●10228
	2464	4535	+4810	+3488	+2213	2933	2058	1848	1838	+4119	+4898	+5561	+873	329	+2046	+1945	730	4193	4234	4487	5071	4342	3656	5133
6-20		2177	3248	4675	+4552	4269	3540	3670	4052	+6458	+7237	+7900	+3212	2063	+4385	4246	3027	4133	4174	4427	×4942	3818	3132	4609
12-14	6-1		1395	2822	4050	6440	5715	5845	6223	7596	8403	7765	5383	4238	5868	6419	5198	6300	6341	6594	7314	5979	5293	6770
13-9	9-1	3-21		1427	2655	7515	6786	6916	7298	6201	7008	6370	3937	5309	4473	7492	+4531	7375	7416	+7669	8389	7052	6336	7843
9-17	13-0	7-20	3-23		1299	+5844	+4952	+4826	+4057	5146	5919	5917	2615	+3794	3247	+4127	+3209	+7414	+7455	+7708	+8220	+7669	+6983	+8460
6-4	12-15	11-6	7-9	3-15		+4569	+3677	+3351	+2782	3988	4767	5157	1340	+2519	2011	+2852	+1934	+6139	+6180	+6433	+6945	+6394	+5708	+7185
8-4	11-21	17-21	20-21	16-6	12-17		958	1516	3069	+6475	+7254	+7917	+3229	2895	+4402	3354	2690	3249	3290	3412	3889	3870	3184	4661
5-17	9-20	15-21	18-20	13-18	10-5	2-16		593	2148	+5583	+6362	+7025	+2337	2055	+3510	2438	1795	2741	2782	2975	3452	3404	2718	4195
5-3	10-5	16-6	19-5	12-20	9-7	4-5	1-16		1707	+5257	+6036	+6699	2011	1932	+3184	1999	1472	3342	3303	3620	4097	3896	3210	4687
5-3	11-6	17-7	20-7	11-6	7-17	8-13	5-23	4-18		+4688	+5467	+6130	+1442	2065	+2615	733	1155	4813	4854	5064	5541	5260	4574	6051
11-11	17-23	21-2	17-5	14-7	11-2	18-0	15-12	14-14	13-1		816	2095	3246	+4425	2122	+4758	+3840	+8045	+8086	+8339	+8851	+8300	+7614	+9091
13-15	20-2	23-8	19-11	16-11	13-6	20-4	17-16	16-18	15-4	2-7		2423	4025	+5204	2920	+5537	+4619	+8824	+8865	+9118	+9630	+9079	+8393	+9870
15-11	21-23	21-14	17-17	16-10	14-8	22-0	19-12	18-15	17-1	5-20	6-18		4688	+5867	3578	+6200	+5282	+9487	+9528	+9781	+10293	+9742	9056	+10533
2-10	8-22	14-23	10-22	7-6	3-17	9-6	6-12	5-14	4-0	9-0	11-4	13-1		+1179	1173	+1512	+594	+4799	+4840	5093	+5605	+5054	+4368	+5845
0-22	5-18	11-19	14-18	10-13	7-0	8-1	5-17	5-9	5-18	12-7	14-11	16-7	3-7		+2352	2220	999	4010	4051	4304	4928	4101	3415	4892
5-16	12-4	16-7	12-10	9-0	5-14	12-5	9-18	8-20	7-6	5-21	8-3	9-23	3-6	6-13		+2685	+1767	+5972	+6013	+6266	+6778	+6277	+5541	+7018
5-10	11-19	17-20	20-19	11-11	7-22	9-8	6-19	5-13	2-1	13-5	15-9	17-5	4-5	6-4	7-11		1263	5101	5142	5352	5829	5547	4861	6338
2-1	8-10	14-11	12-14	8-22	5-9	7-11	5-0	4-2	3-5	10-16	12-20	14-16	1-16	2-19	4-22	3-12		4271	4312	4565	5068	4603	3917	5394
11-16	11-12	17-12	20-12	20-14	17-1	9-1	7-15	9-7	13-9	22-8	24-12	26-8	13-8	11-3	16-14	14-4	11-21		187	428	×943	2010	1324	2801
11-18	11-14	17-15	20-14	20-17	17-4	9-3	7-17	9-10	13-12	22-11	24-15	26-11	13-11	11-6	16-17	14-7	11-23	0-12		305	×820	2051	1365	2842
12-11	12-7	18-8	21-8	21-10	17-21	9-11	8-6	10-1	14-2	23-4	25-8	27-4	14-4	11-23	17-10	14-21	12-16	1-5	0-20		×587	2304	1618	3095
14-2	13-17	20-8	23-7	22-20	19-7	10-19	9-14	11-9	15-9	24-14	26-18	28-14	15-14	13-17	18-20	16-5	14-2	2-15	2-7	1-16		3024	×2338	3815
12-1	10-15	16-15	19-14	21-7	17-18	10-18	9-11	10-20	14-15	23-1	25-5	27-1	14-1	11-9	17-10	15-10	12-19	5-14	5-17	6-10	8-10		690	1065
10-4	8-17	14-17	17-16	19-10	15-21	8-20	7-13	8-22	12-17	21-4	23-8	25-4	12-3	9-12	15-9	13-12	10-21	3-16	3-19	4-12	6-12	1-22		1481
14-6	12-19	18-19	21-19	23-12	19-23	12-23	11-16	13-0	16-19	25-6	27-10	29-6	16-6	13-14	19-12	17-15	15-0	7-19	7-21	8-14	10-14	2-23	4-3	



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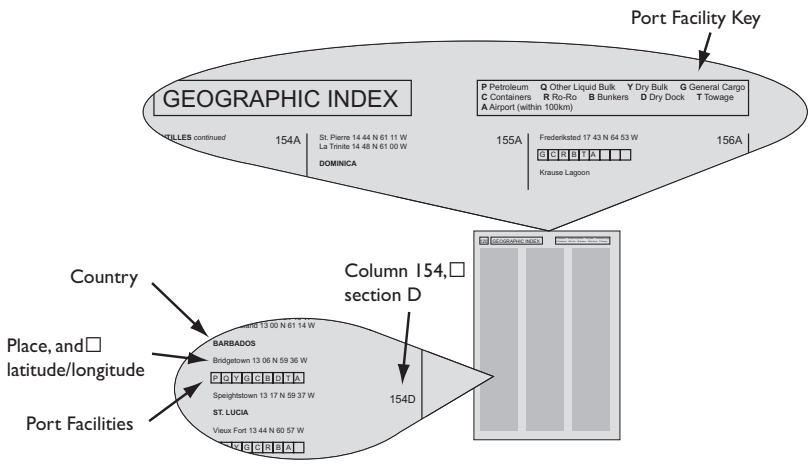
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GEOGRAPHICAL INDEX

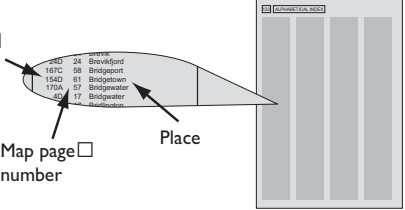
This index helps you find ports and places according to their geographic proximity. The index begins with London, and follows the coastlines of the world in a spiral, incorporating all islands and ending in Canada. The world map below shows the route this index takes.

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

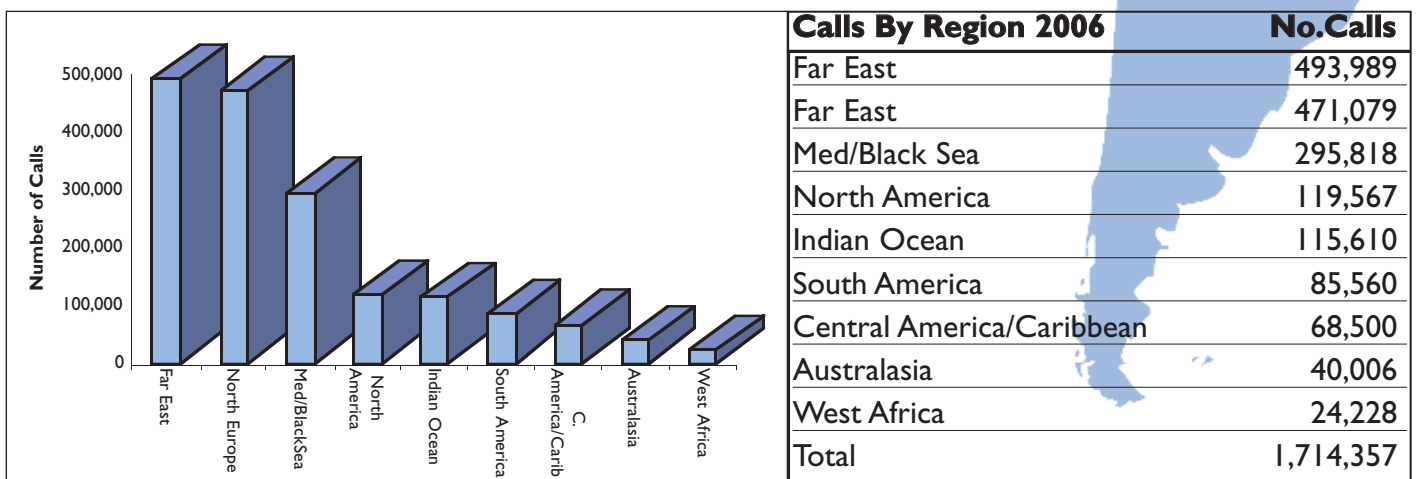
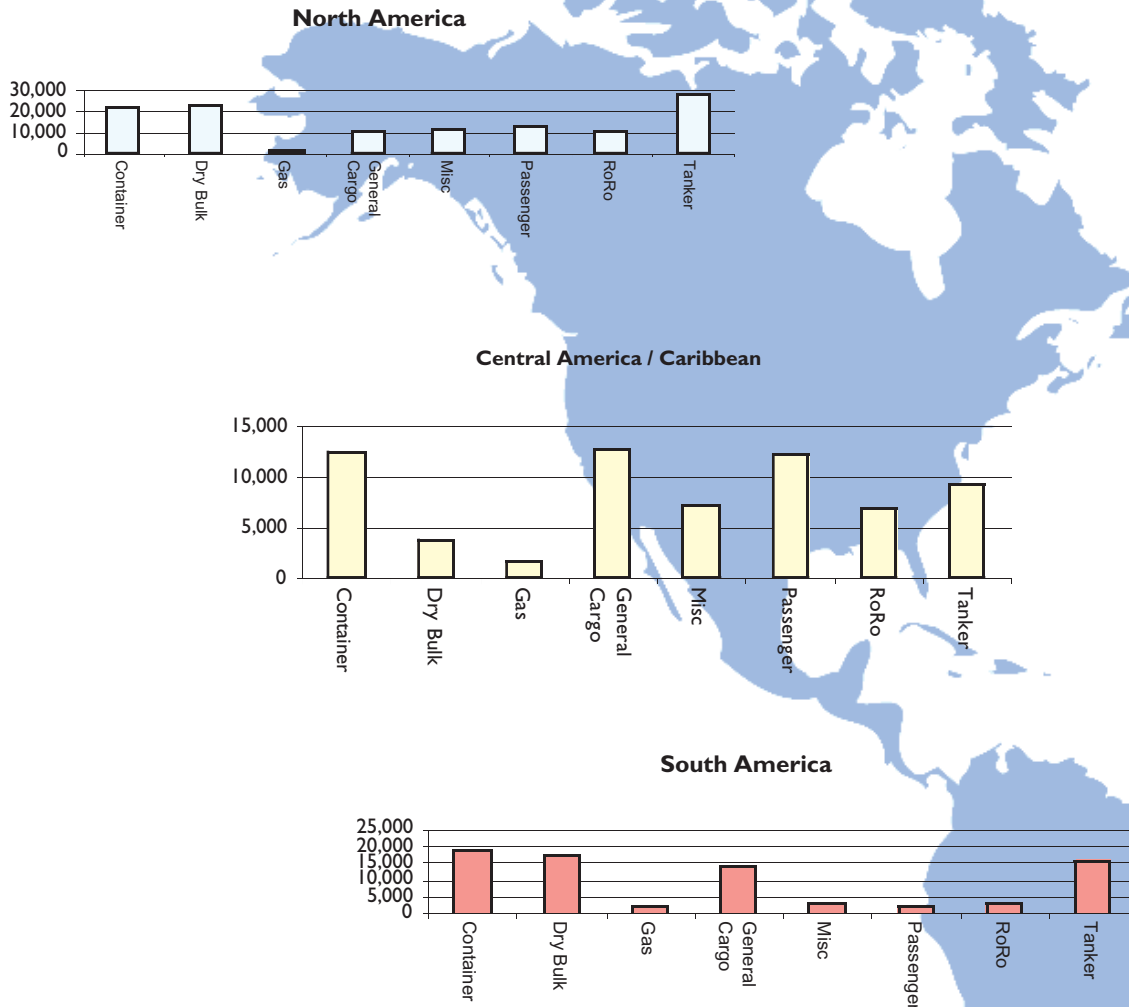
- Beam Overall vessel width.
- Draught Vertical distance between a vessel's lowest point and adjacent sea level.
- Air Draught Vertical distance between a vessel's highest point and adjacent sea level.
- Seasonal Draught Variations in draught according to season and geographical region.
- Elevation Height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

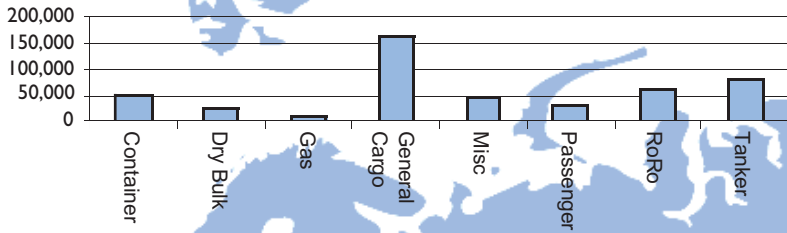
Scale varies between each individual map and is indicated on the appropriate scale bar.

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 enquiries@lloydsniu.com

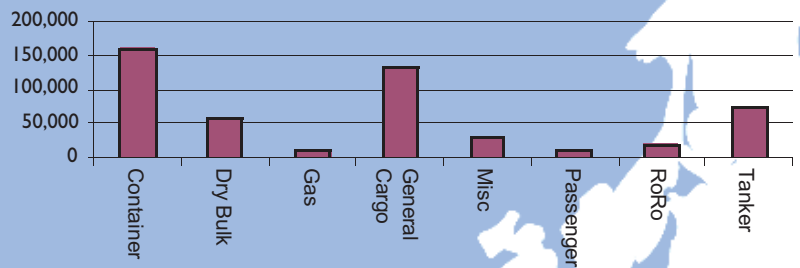
Port Calls By Region 2006



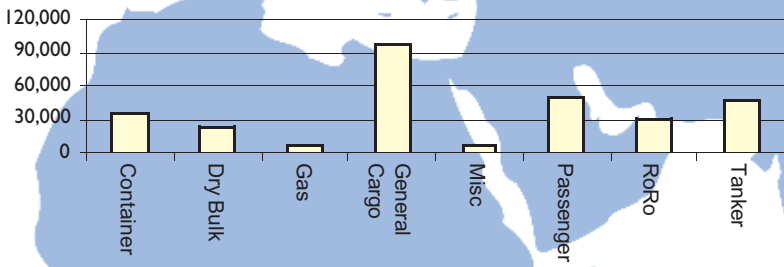
North Europe



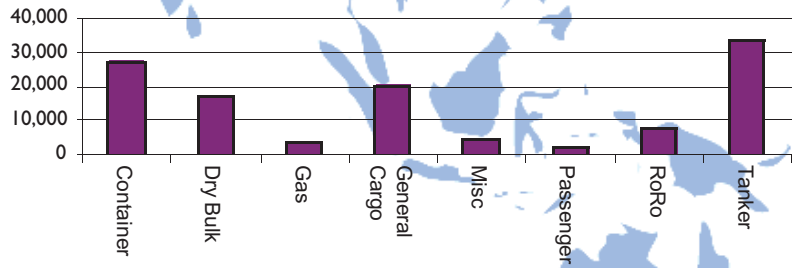
Far East



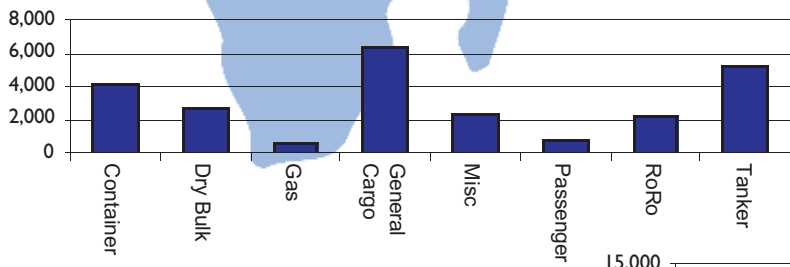
Med/BlackSea



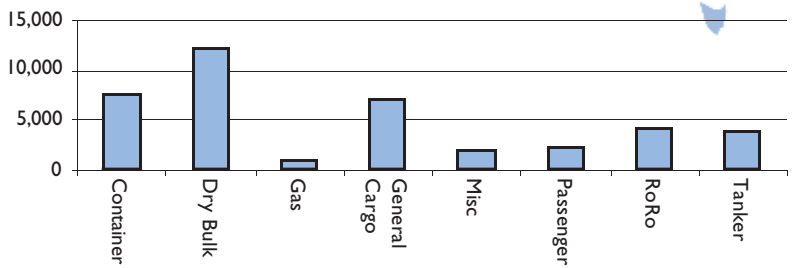
Indian Ocean



West Africa

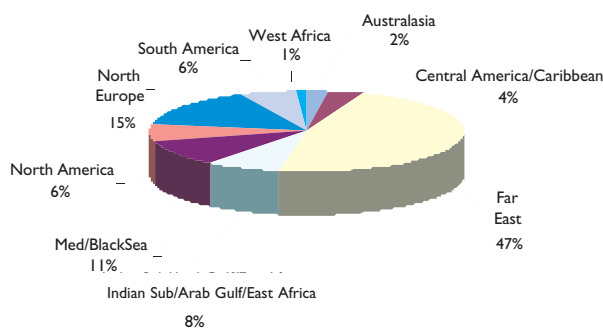
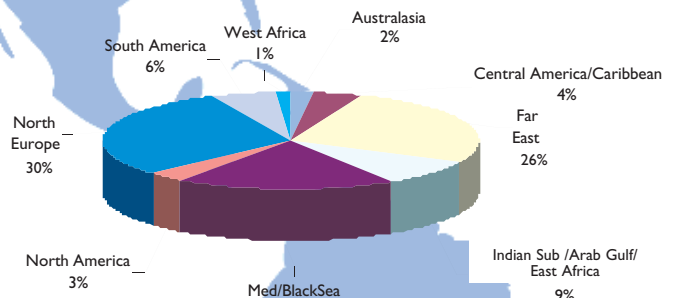
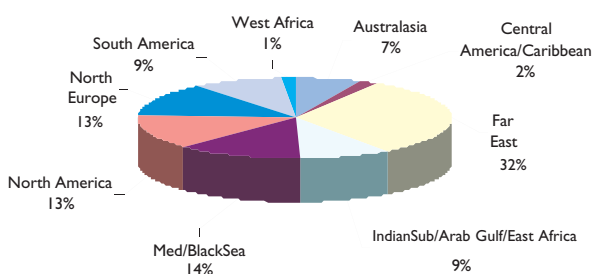
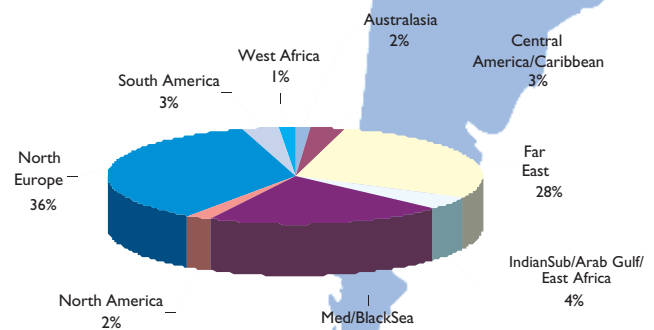


Australasia



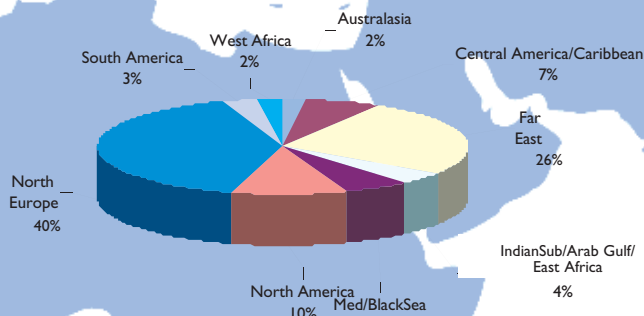
Calls By Region and Vessel Type 2006

	Australasia	Central America Caribbean	Far East	Indian Ocean
Container	7,719	12,557	159,036	27,228
Dry Bulk	12,202	3,828	55,868	16,734
Gas	880	1,745	11,153	3,695
General cargo	6,976	12,604	130,964	20,036
Miscellaneous	2,023	7,306	28,477	4,494
Passenger	2,201	12,257	11,498	1,812
Ro Ro	4,143	7,013	20,555	7,953
Tanker	3,828	9,314	74,319	32,923

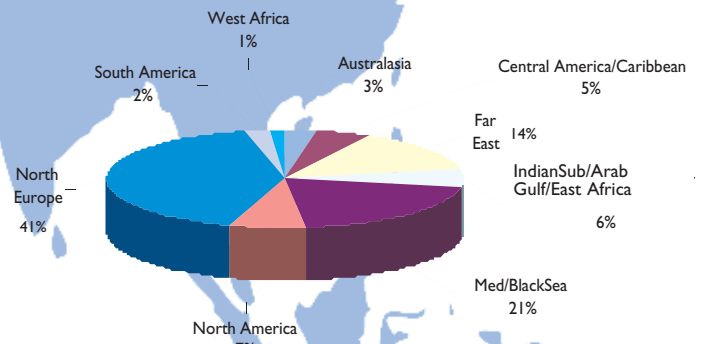
Container**Gas****Dry Bulk****General Cargo**

Mediterranean Black Sea	North America	North Europe	South America	West Africa
35,906	22,046	52,764	19,070	4,150
23,544	23,741	23,869	16,966	2,691
8,072	1,276	12,720	2,449	555
96,116	9,948	165,998	14,209	6,315
6,333	11,110	44,048	3,461	2,354
48,841	13,168	31,790	2,414	713
29,700	9,894	59,580	3,219	2,150
46,428	27,993	79,997	15,667	5,264

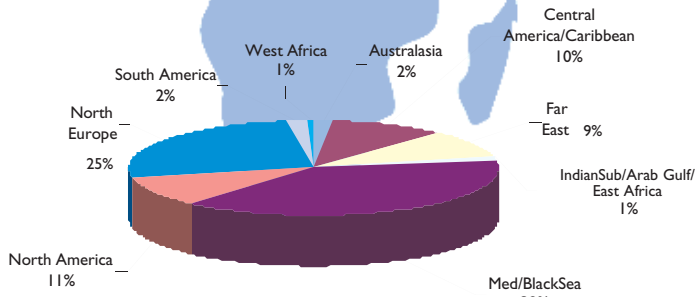
Miscellaneous



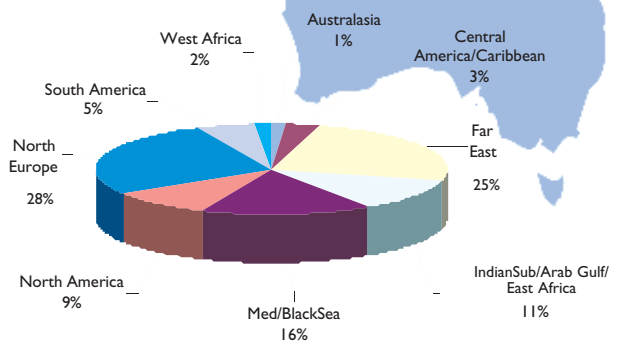
RoRo



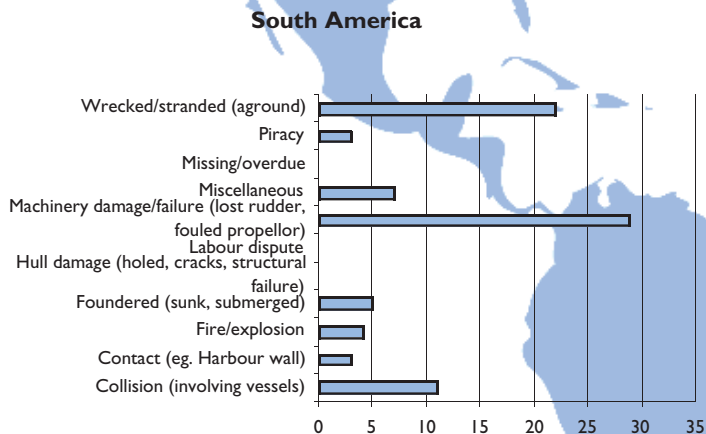
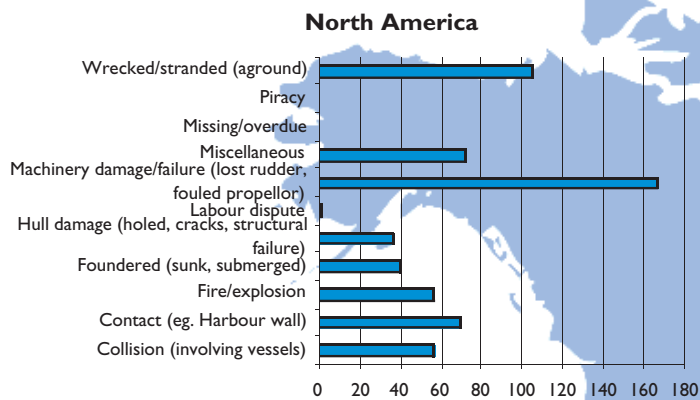
Passenger



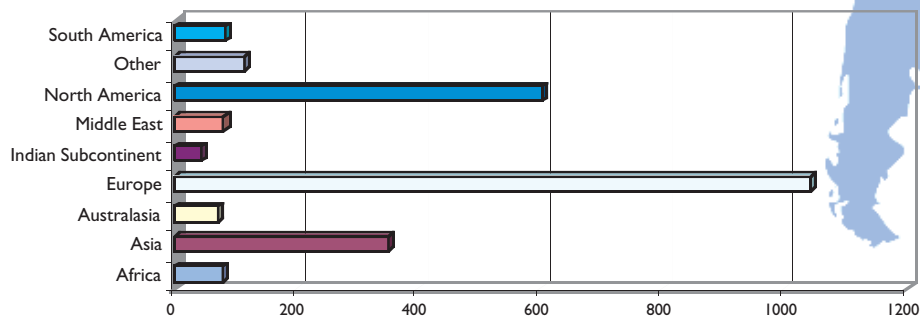
Tanker



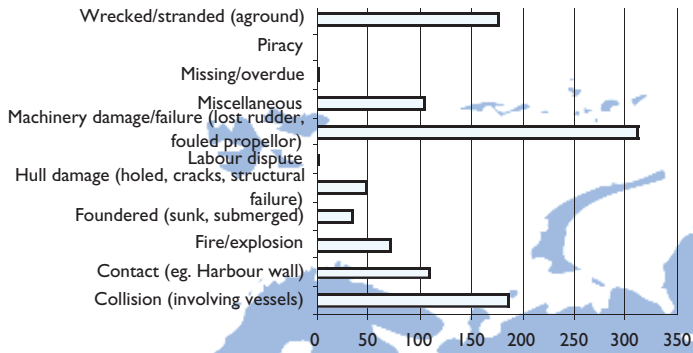
Marine Casualties throughout 2006



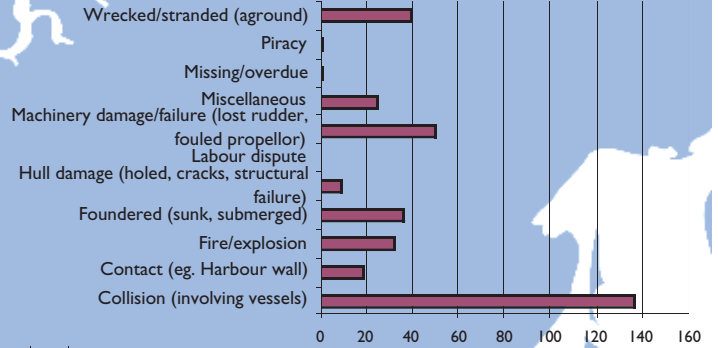
Casualties By Region 2006



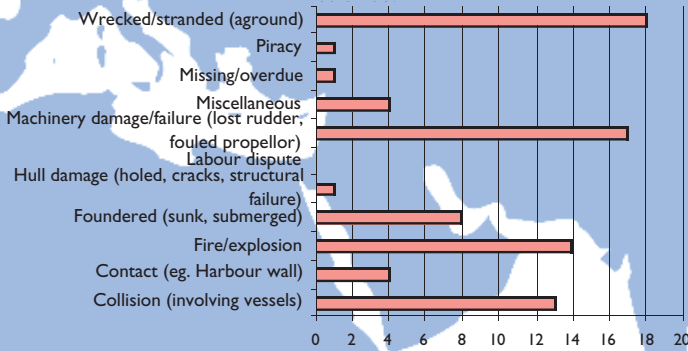
Europe



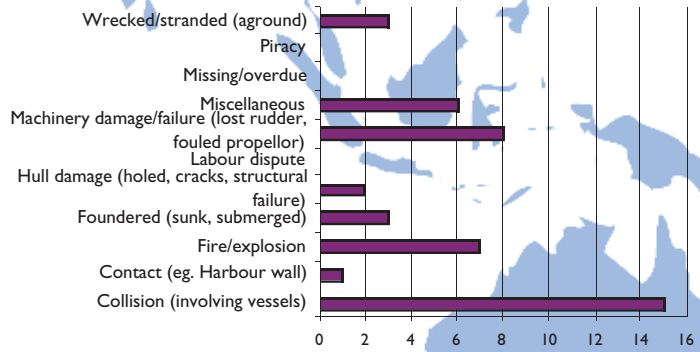
Asia



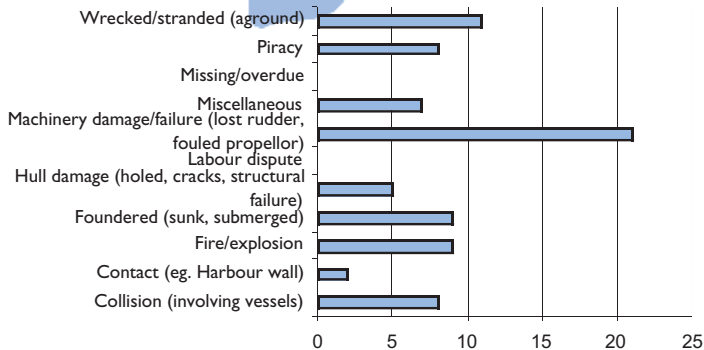
Middle East



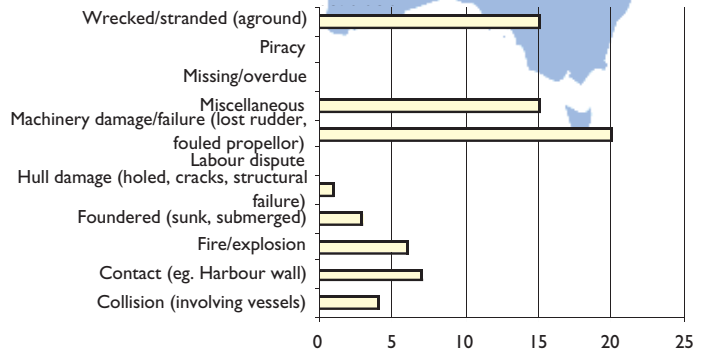
Indian Ocean



Africa

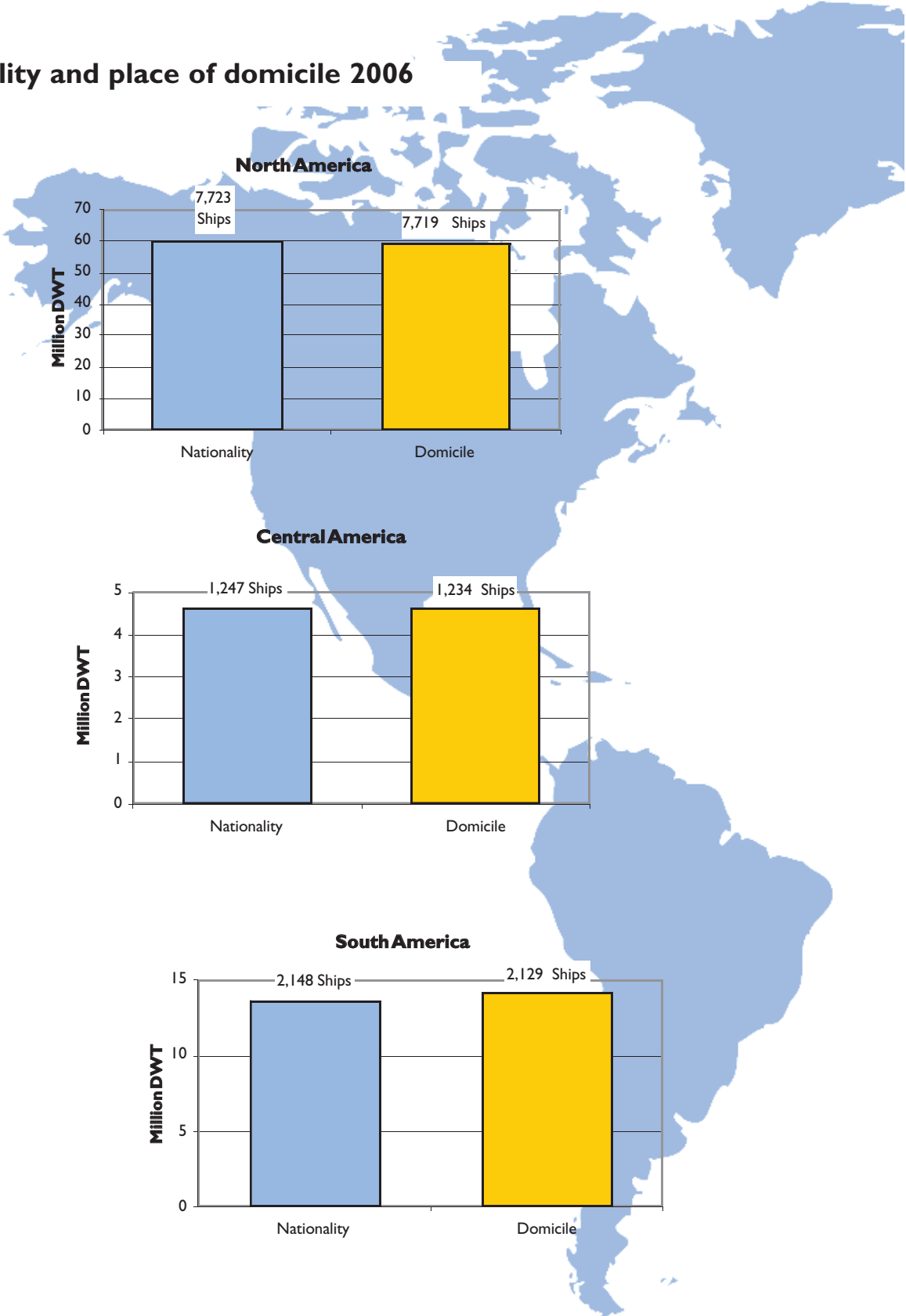


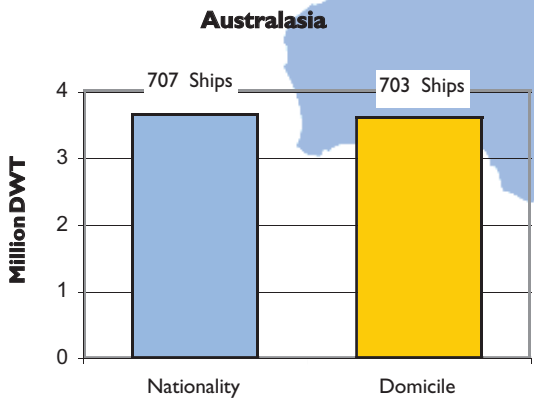
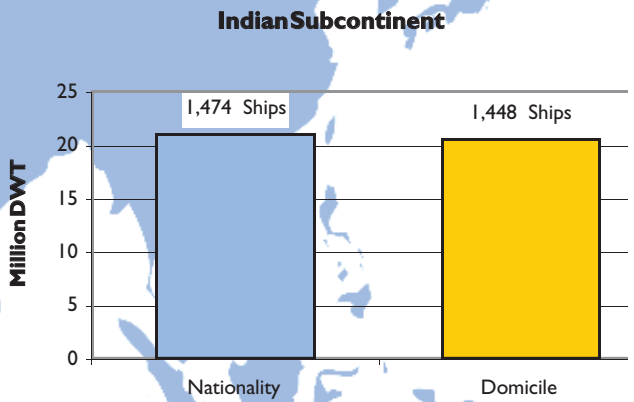
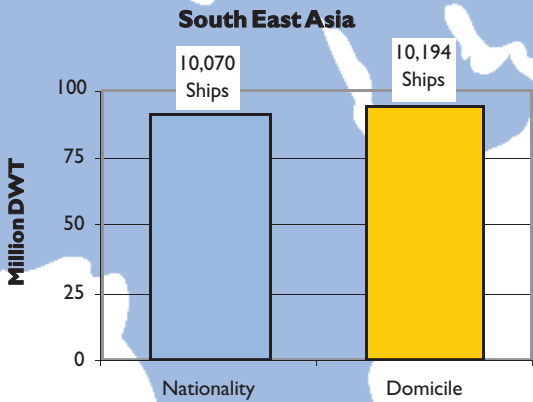
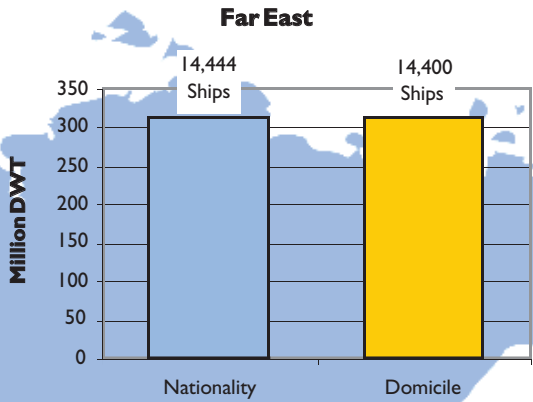
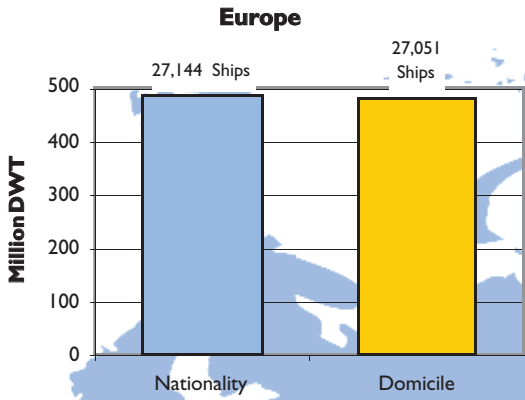
Australasia



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 2006



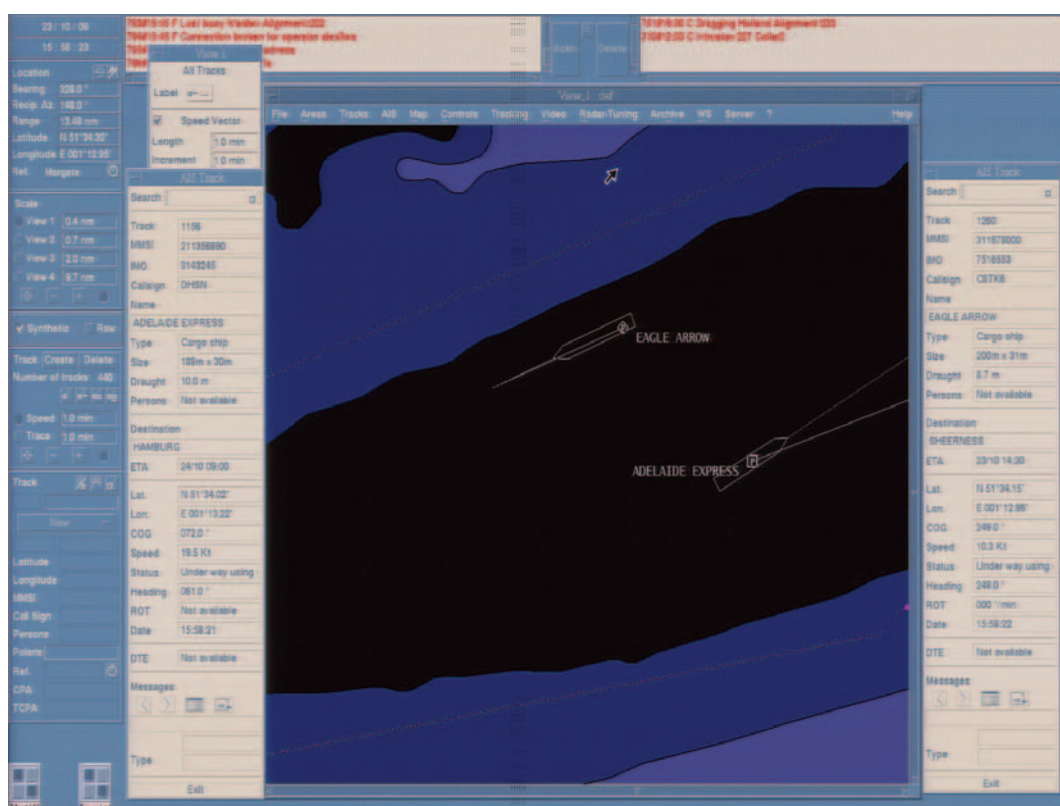


THE SHOREBASED USE OF AIS

Whilst only just over two years have passed since the carriage of AIS became mandatory for ships to which Ch V of SOLAS applies, things have moved a long way in the use of AIS ashore.

Unfettered by the presentational restrictions that have necessarily been imposed on the display of AIS in ships, the more flexible IALA guidelines for the presentation of AIS data has resulted in more imaginative solutions being offered by equipment providers. A significant number of VTS Centres now have AIS integrated into their traffic image displays. Some centres fuse AIS on a radar display but a growing majority fuse AIS and radar on a traffic image display that is backed by an Electronic Chart System (ECS).

So what advantages has AIS brought to shore stations? Whilst a few centres have reported a reduction in VHF communications, the most significant benefit has been a dramatic improvement in the accuracy of tracking and confidence in the identification of tracks. When properly displayed, AIS can also improve the spatial awareness of VTS Operators through the presentation of dynamic data such as heading and rate of turn, and through the accurate presentation of ship dimensions in the close passing situations that are prevalent in the port environment (see example graphics). An AIS base station will generally see further than a co-located radar. This can offer the benefit of advanced warning for planning and pilot allocation. It can also provide the ability

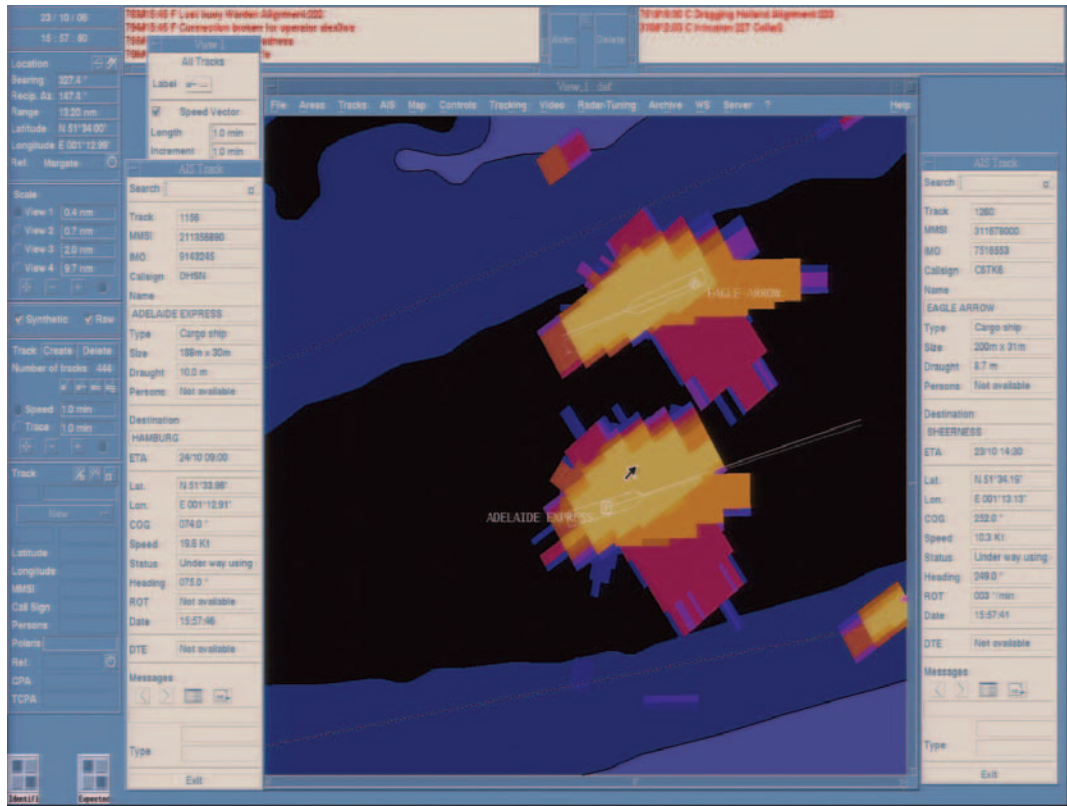


Example of AIS alone with radar video inhibited

to look into dock systems, under bridges and into channels where there would otherwise be a radar blind spot, but in such circumstances it should be used for vessel monitoring and traffic organisation rather than navigational assistance.

To a degree AIS has been a victim of its own success. Its accelerated introduction resulted in the acceptance of the Minimum Keyboard Display (MKD) onboard ship; its tabular presentation is of much reduced benefit to the mariner compared with a graphical display. Although some vessels are fitted with a graphical display, the majority rely on MKD. With its poor interface for data input, errors can be introduced that have the potential to confuse the unwary. Early teething problems were not unexpected but the situation is now much improved.

Errors in the static message are now relatively infrequent and the introduction in some VTS Centres of comparisons between data sources to validate AIS identity fields will help reduce this still further. Voyage related messages rely on operator update and are more prone to errors - perhaps due to the MKD, but arguably such errors impact little on navigational safety. Errors in the dynamic message are becoming less and less frequent with the most common being the transmission of an offset heading due to the misalignment of the gyro input signal with the AIS transponder. Whilst anecdotal reports suggest the incidence of erroneous



Examples with radar video overlaid with AIS

AIS messages are still as high as 30%, VTS Centres with accurate records indicate that the incidence of AIS errors of navigational significance that are not immediately corrected is probably nearer 1% or less.

Clearly any level of error is unacceptable if AIS is used as the sole source of information and for this reason AIS needs to be validated in the port environment if it is to be used for the provision of a navigational assistance service, or in the organisation of traffic where it involves the management of navigational safety. There are many reasons why a VTS Centre would not consider decommissioning existing radars and placing reliance for coverage solely on AIS at this early stage. However, AIS may allow a VTS to extend its area of influence and there are examples of AIS being introduced for non-SOLAS vessels in the inland and river environment where radar coverage may be impractical.

The messaging features of AIS are not widely used at present but early examples include the transmission of tidal data and security related information. As users become more familiar with the system and its capabilities, it is likely that AIS messaging will be used more widely for the dissemination of routine information that must otherwise be passed by voice over VHF.

In sum, the use of AIS ashore has provided a quantum enhancement of VTS capability. Whilst it may extend the horizon and the ability to monitor traffic at extended ranges or in confined areas, AIS should be seen as another sensor. Properly correlated, AIS provides the maritime world with the sort of additional track data, and more, that the air world has enjoyed for decades.

Barry Goldman
IHMA representative at IALA
and VTS Manager, PLA



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A SEAMAN'S PERSPECTIVE - THE ROLE OF AIS ON THE BRIDGE AT SEA

Life at sea has changed immeasurably over recent years, and the advances in equipment have come thick and fast. This technological progress has been relentless, touching every facet of the ship-to-shore relationship, and spanning almost every shipboard activity.

Many initiatives have made routine tasks simpler, while others have changed forever the way watch-keepers operate and the very safety and processes of navigation itself.

One of the most fundamental changes has been the introduction of Automatic Identification Systems (AIS) for vessels. AIS brings to the seafarer many benefits, principal amongst these is the automatic and immediate provision of vessel identity, thereby facilitating rapid radio communication where necessary, no longer do nameless ships simply pass in the night.

There are other advantages of AIS over existing navigation equipment, and the systems provide precise navigational advice over a wide geographical coverage. AIS offers real-time maneuvering data and a high level of traffic image accuracy, and all without the effect of the weather on tracking performance, and with the absence of "radar shadow" areas. Advantages that provide a real boost to the officers on the bridge, as they no longer struggle to adjust sets for rain and sea clutter.

AIS has changed not just the reactions and procedures of the navigators using it, but has affected the provision of assistance to them – whether from other vessels or port Vessel Traffic Services (VTS) operators. The provision of navigation data is now a complete closed loop, with all parties provided with the information they need, when they need it.

While there are numerous benefits gained from the new equipment, we must never become complacent, and must always remember that professional navigators still have work to do – it's not all just pressing buttons and relying solely on the machine to do all the work.

There are naturally some drawbacks to the system, one major concern being that some operators may become overly dependent on AIS, and therefore, may treat the system as a sole or primary means for vessel identification. This can be a fatal mistake, especially when one considers that AIS has the same vulnerabilities as VHF-FM, and has a propensity to cull transmissions when it reaches its saturation point (maximum number of transmission receipts), so just when you need it most, in heavy traffic, it may not be providing the full picture – the old lesson remains, and we must never rely on scanty information.

Other weaknesses to be guarded against include poor installation, incorrect data, poor displays (MKDs), and officers not switching units on/off as appropriate.

There are also important issues related to the development of electronic aids to navigation, and The Nautical Institute has long stressed the difficulties of dealing with technology, such as AIS, before it is fully developed and realised. We have also stressed the absolute need for proper training long before crews are expected to use such equipment.

The correct equipment used to its full potential by fully trained individuals can have a positive effect on the passage planning, voyage monitoring and safe conduct of the vessel. Small problems though, can quickly become very big problems if the equipment is not used properly and if it is not maintained correctly.

Equipment needs always to reflect the needs not just of the company, and the vessel – but also the people using it. So providers must stay aware of the operational demands, the design, ergonomics and must ensure that any equipment is truly fit-for-purpose.

In general, The Nautical Institute has found that mariners really do like AIS, as it improves situational awareness and provides positive and effective identification of targets. The days of the “ship on my port bow” VHF chatter are now over, and this is significant progress.

The Nautical Institute's Technical Committee has long been involved in the collation of reports from faulty AIS units, and the aim of this initiative has been to identify problems, improve installation and ultimately to improve the technology through design and regulation. AIS users are requested to report any AIS problems to ais@nautinst.org

As the professional body for those in command of seagoing craft, the Nautical Institute supports, recognises and embraces the importance of advances such as AIS, we also applaud the efforts of Lloyd's MIU in working to bring this system to its full potential, and thank them for giving us this chance to put the views of our members, the seafarers, across.

For more details of the work of the Nautical Institute, or to enquire about membership please visit our website, www.nautinst.org

Steven Jones
Professional Development Manager
The Nautical Institute



PAGE

	INSIDE FRONT COVER
	WORLD DISTANCE TABLE
II	USER GUIDE
III	SYMBOLS AND ABBREVIATIONS
IV	GLOBAL MARITIME STATISTICS
XII	INDEX TO MAPS
XIII	EDITORIAL - SHORE-BASED AIS
XIV	EDITORIAL - AIS AT SEA
I	FOREWORD
2	MAPS
69	GEOGRAPHICAL INDEX
131	ALPHABETICAL INDEX
2	INDEX MAP
4	WEATHER HAZARDS AT SEA
6	INTERNATIONAL LOAD LINE ZONES

OCEAN MAPS

8	North Atlantic Ocean
10	Atlantic and Indian Oceans
12	Pacific Ocean
14	Arctic
15	Antarctic

REGIONAL MAPS

16	United Kingdom and Ireland Insets: Thames Humber, Trent Tyne, Tees Clyde
18	English Channel
19	North Sea
20	Northern Europe
22	Belgium, Netherlands and Germany
24	Southern Scandinavia
26	Baltic Sea
27	Black Sea, Caspian Sea
28	Mediterranean Sea
30	Bay of Biscay
30	Strait of Gibraltar
31	Northern Mediterranean

PAGE

31	Gulf of Naples
31	Gulf of Tunis
31	Gulf of Venice
32	Aegean Sea Inset: Piraeus
33	Eastern Mediterranean
34	Africa and the Middle East Inset: Azores
36	West Africa
37	Persian Gulf
38	South Asia Inset: Hong Kong
40	India
41	Gulf of Thailand
42	Malaysia, Indonesia Insets: Singapore, Brunei
44	Philippines
45	Japan
46	China, Korea
48	Australasia and Pacific Islands
50	North America
52	Pacific Northwest
53	Southern California
54	Eastern United States Inset: Bermuda
56	Great Lakes
57	Gulf of St. Lawrence
58	Eastern Seaboard Inset: New York
59	Central America
60	Caribbean Sea
62	South America
64	River Plate, Southern Brazil
65	Kiel Canal
66	Rhine-Main-Danube Canal
67	Suez Canal
68	Panama Canal
69	Geographical Index
134	Alphabetical Index

FACT PANELS

18	Seine	57	St. Lawrence
23	Rhine		Seaway
23	Western Scheldt	62	Amazon
25	Lake Vanern	64	River Parana
26	Saimaa Canal	65	Kiel Canal
27	Volga, Don	66	Rhine-Main-Danube Canal
38	Yangtze (Chiang Jiang)	67	Suez Canal
56	Great Lakes	68	Panama Canal



LLOYD'S
MARITIME ATLAS
OF WORLD PORTS AND SHIPPING PLACES

This is the 24th edition of the Lloyd's Maritime Atlas, the premier reference guide to the world's ports and shipping places.

Fully updated and revised to reflect changes in port and country names and international borders, the latest edition is again supplemented with a FREE CD Rom, which gives the book enhanced portability. In this edition, 225 port places have been added to the geographical index.

The Atlas provides precise latitude and longitude co-ordinates, details of the main canals and river systems, weather conditions, load line zones, international airports, plus details on principal road and rail connections. In addition, the Atlas features world and regional marine distance tables, a comprehensive user guide and detailed statistics on commercial vessel movements, characteristics and casualties.

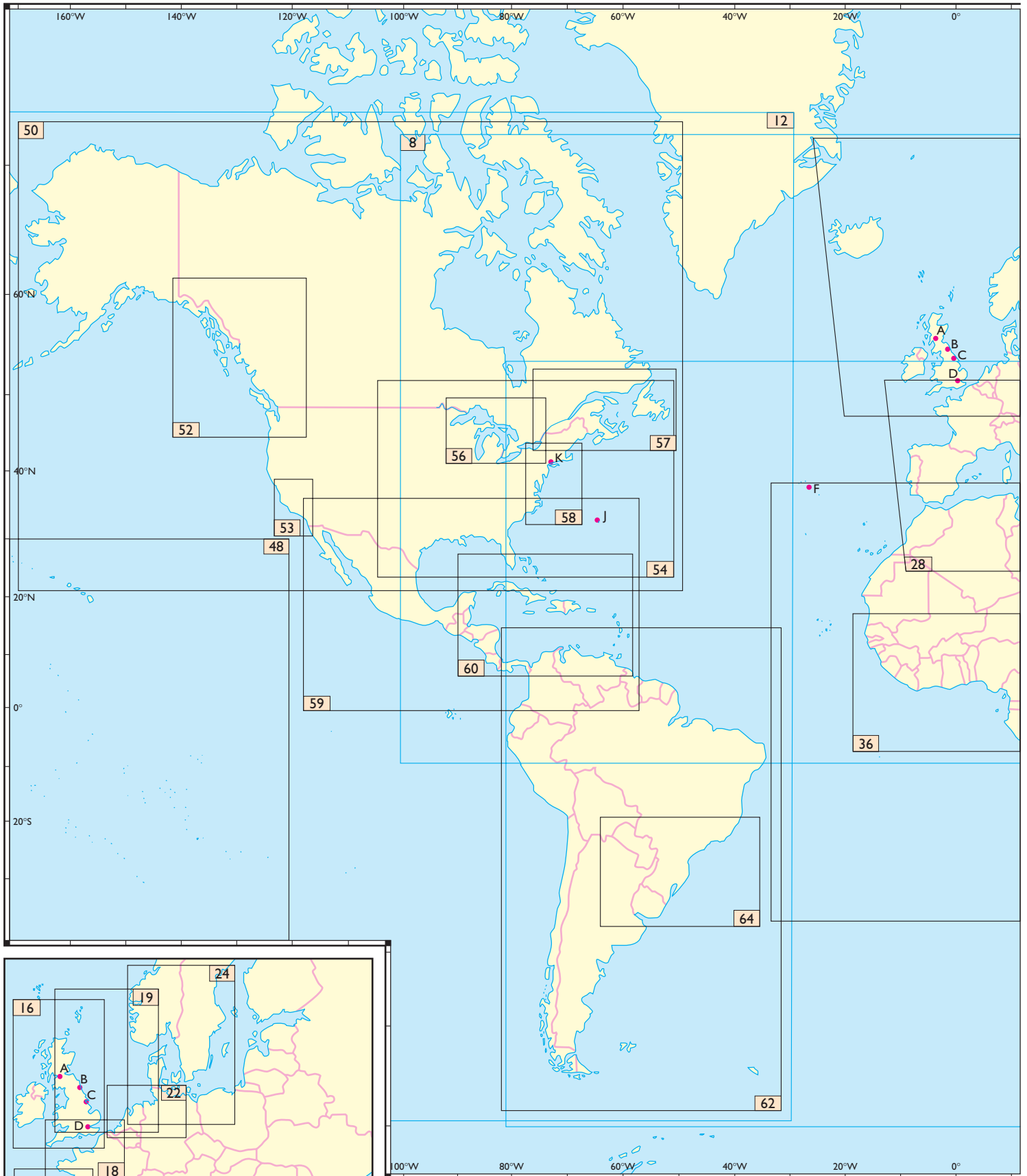
Featuring world maps, regional maps and larger scale maps for the busiest shipping areas, the book also encompasses a unique indexing system which allows users to search for ports on both a geographical and alphabetical basis. The use of full colour throughout adds to the user friendliness of the Atlas.

The Atlas is designed to be used in conjunction with the Lloyd's List Ports of the World annual publication. By cross referencing between the two books, users can glean full details on cargo-handling facilities and services provided at all the major ports and shipping centres across the globe.

As a group, Lloyd's MIU is always looking for ways in which its products and services can be improved and we welcome any comments and suggestions that you may have concerning this Atlas or any of our other publications. To contact us, please send an e-mail to enquiries@lloydsmiu.com

John Fossey
Editorial Director
Lloyd's Marine Intelligence Unit
www.lloydsmiu.com

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Inset Maps

- | | | | |
|-------------------------|----|---------------------|----|
| • A Clyde | 16 | • G Hong Kong | 38 |
| • B Tyne, Tees | 16 | • H Singapore | 42 |
| • C Humber, Trent | 16 | • I Brunei | 42 |
| • D Thames | 16 | • J Bermuda | 54 |
| • E Piraeus | 32 | • K New York | 58 |
| • F Azores | 34 | | |



Fact Panels

Seine	18
Rhine	23
Western Scheldt	23
Lake Vanern	25
Saimaa Canal	26
Volga, Don	27
Yangtze (Chiang Jjiang)	38
Great Lakes	56

St. Lawrence Seaway	57
Amazon	62
Parana	64
Kiel Canal	65
Rhine-Main-Danube Canal	66
Suez Canal	67
Panama Canal	68

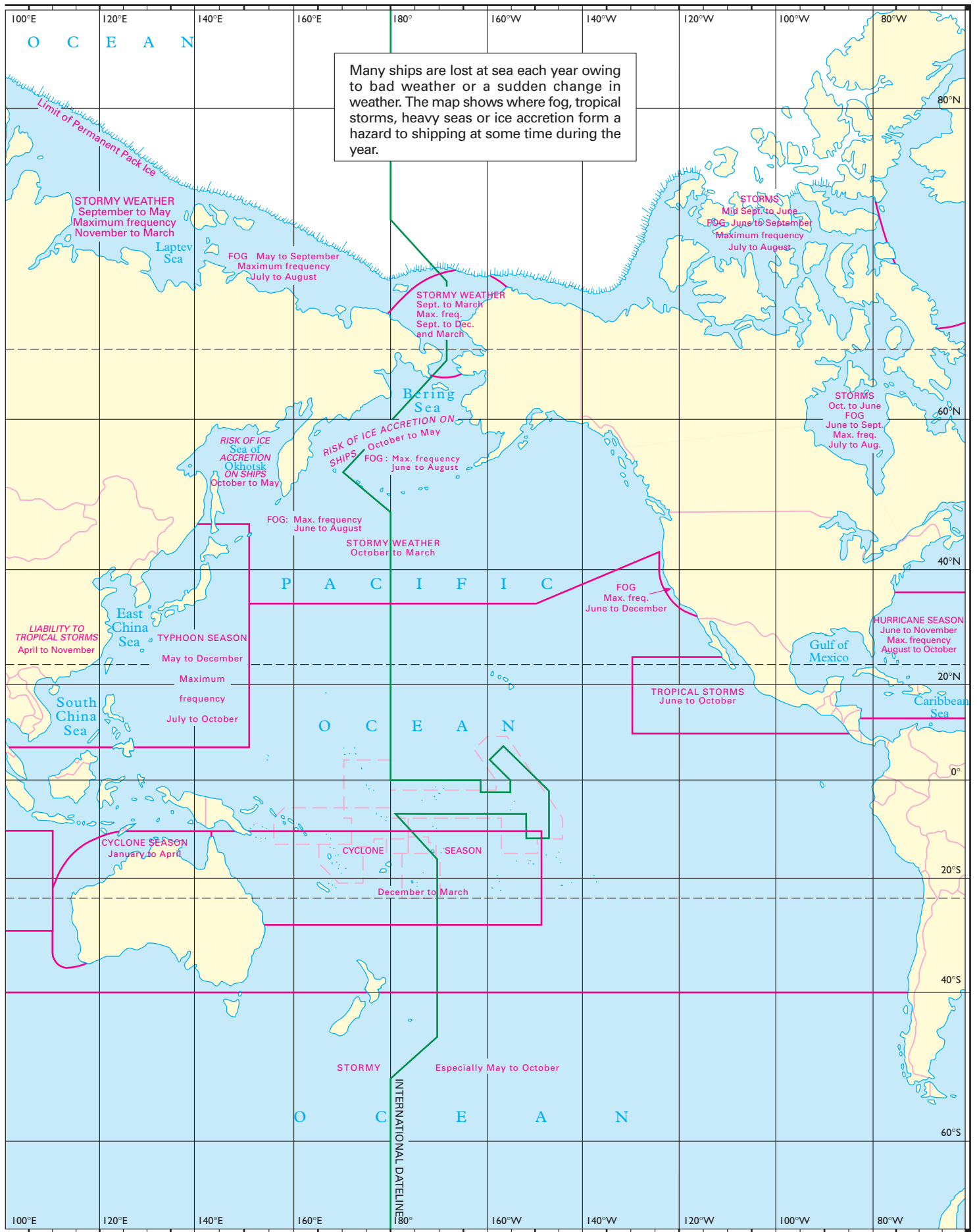
World and Ocean Maps

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



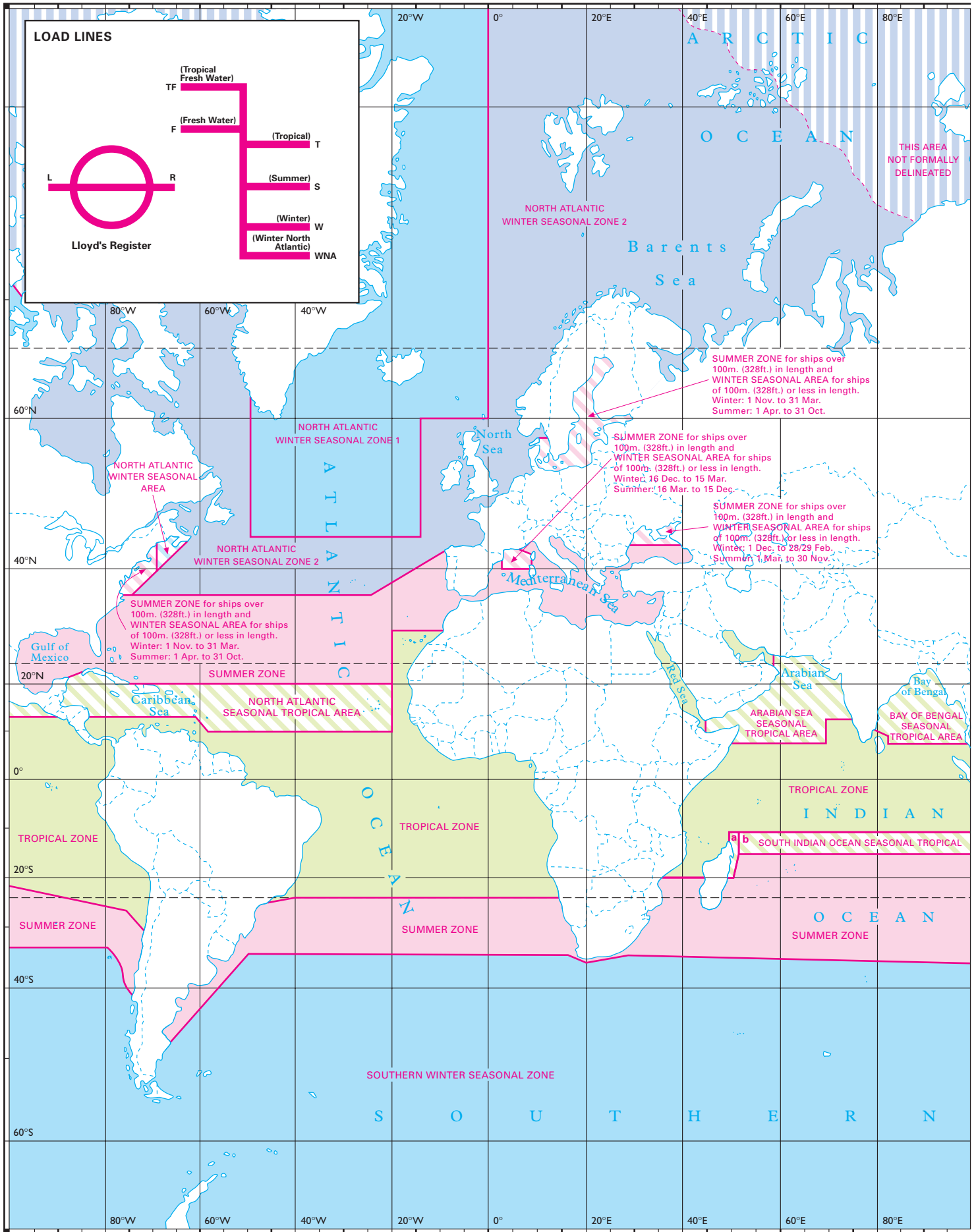
Time difference in hours from GMT at 15° intervals

-6	-5	-4	-3	-2	-1	GMT	+1	+2	+3	+4	+5	+6
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Time difference in hours from GMT at 15° intervals

+7	+8	+9	+10	+11	±12	-11	-10	-9	-8	-7	-6	-5
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Time difference in hours from GMT at 15° intervals



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)

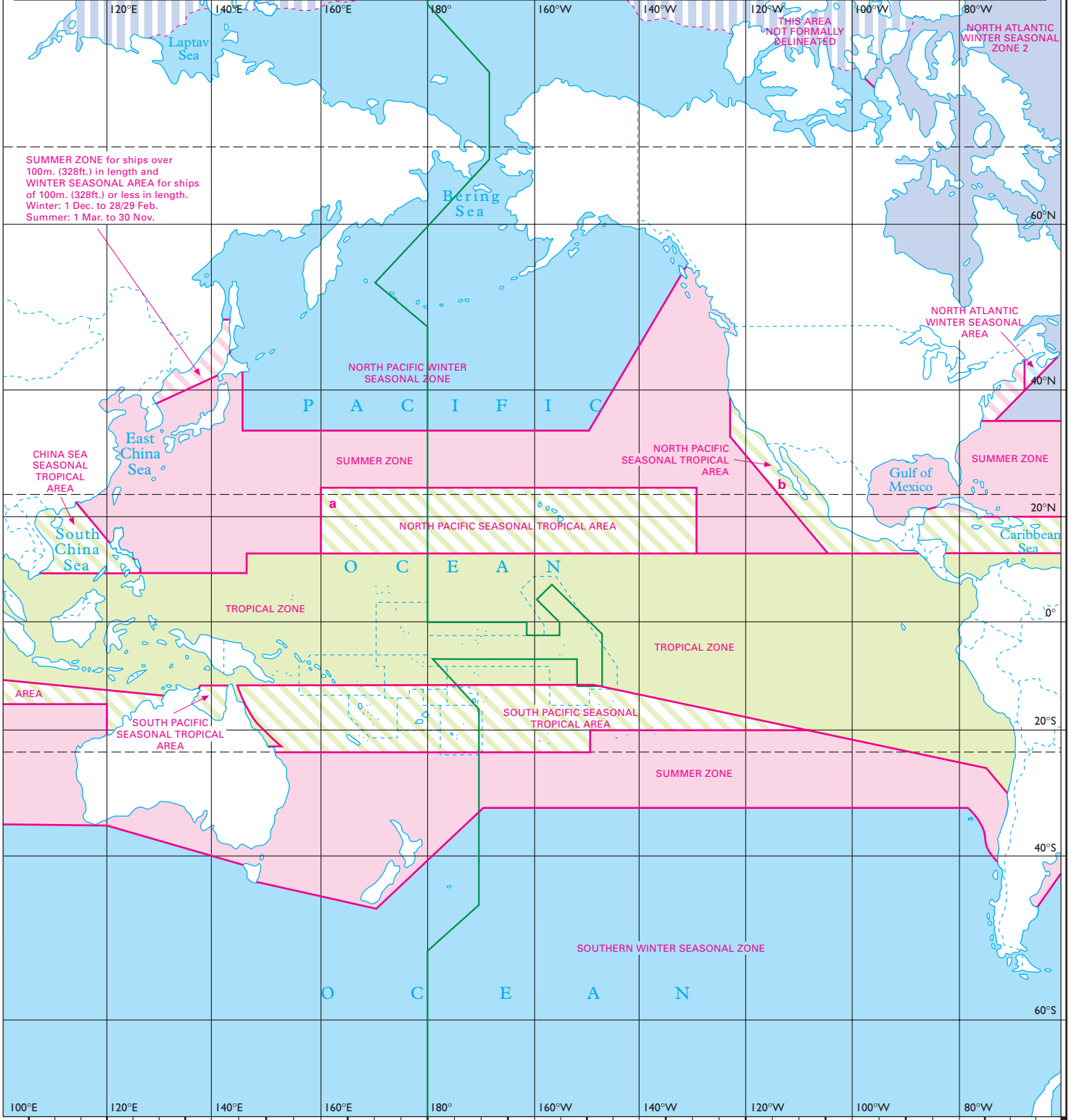
- NORTH ATLANTIC WINTER SEASONAL AREA**
 Ships over 100m. (328ft.) in length:
 16 December-15 February (Winter)
 16 February-15 December (Summer)
 Ships of 100m. (328ft.) or less in length:
 1 November-31 March (Winter)
 1 April-31 October (Summer)

- 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

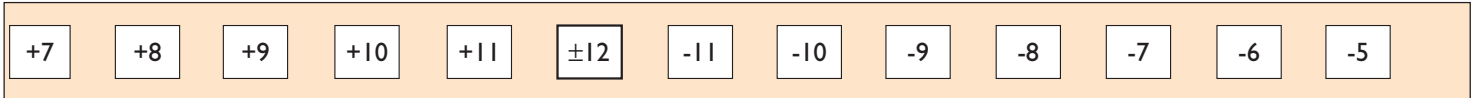
- TROPICAL ZONES**
- SEASONAL TROPICAL AREAS**
 NORTH ATLANTIC
 1 November-15 July (Tropical)
 16 July-31 October (Summer)
 ARABIAN SEA
 1 September-31 May (Tropical)
 1 June-31 August (Summer)
 BAY OF BENGAL
 1 December-30 April (Tropical)
 1 May-30 November (Summer)
 CHINA SEA
 21 January-30 April (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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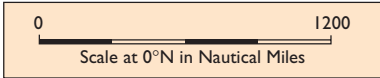
Time difference in hours from GMT at 15° intervals









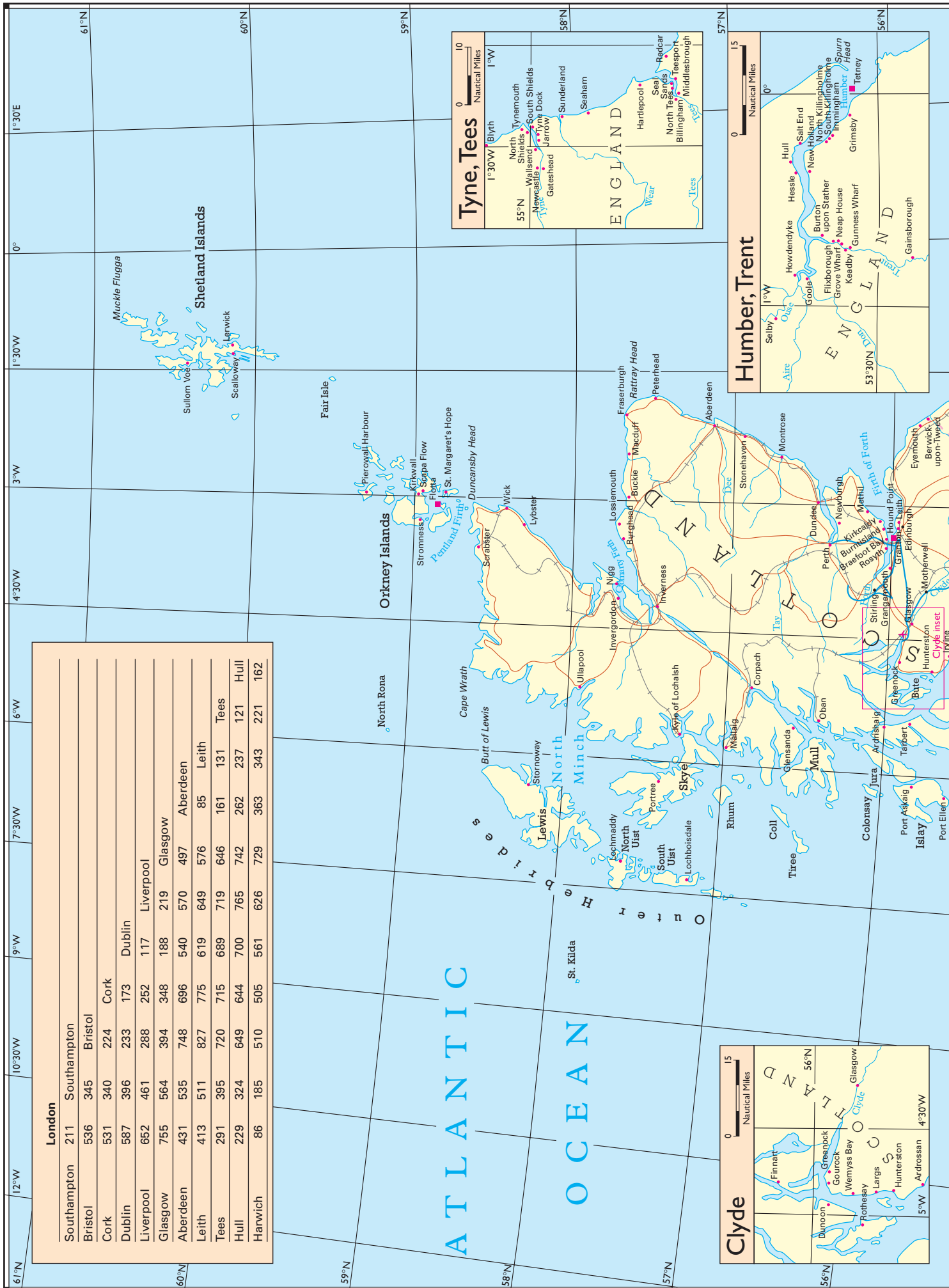


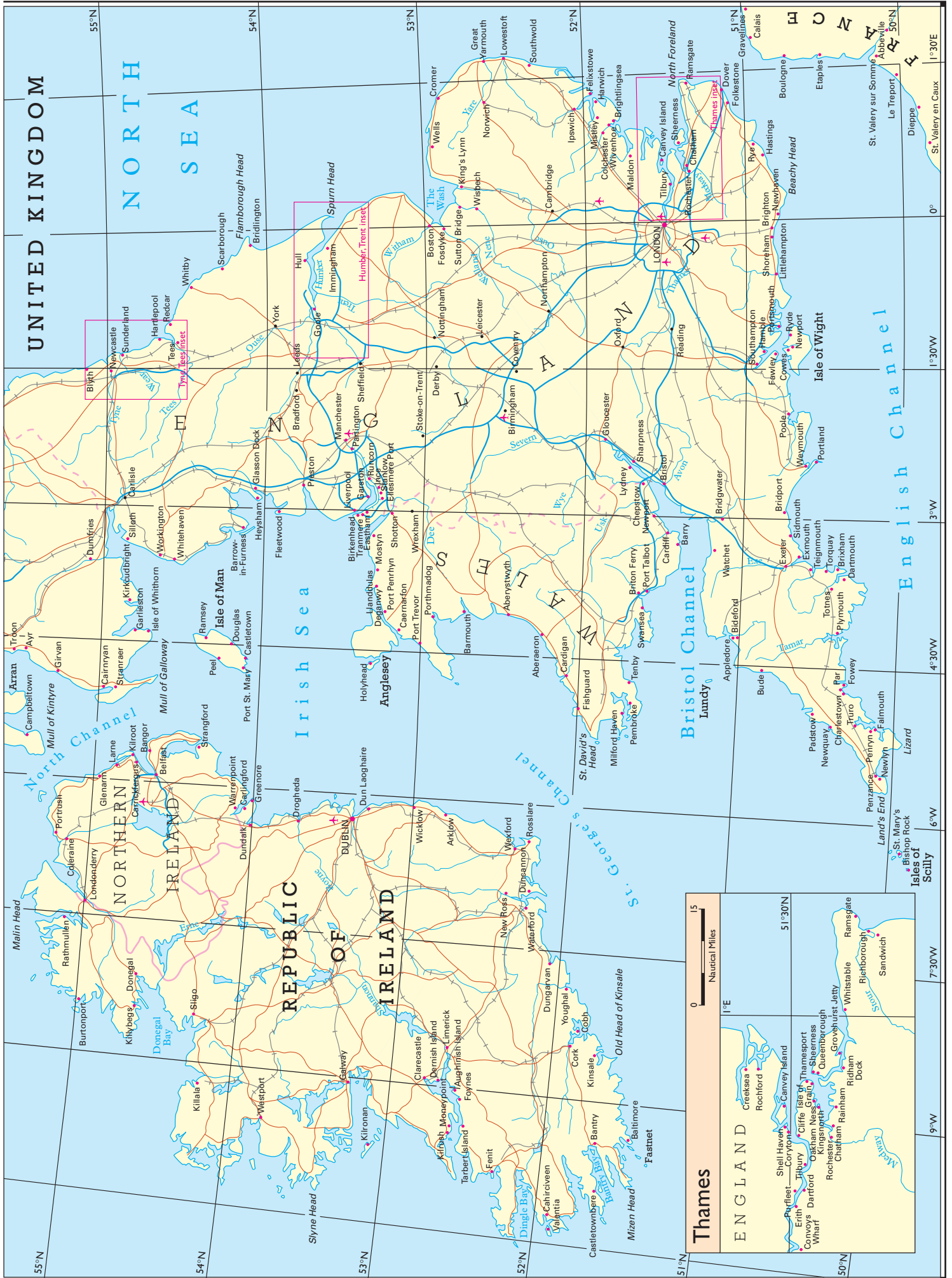


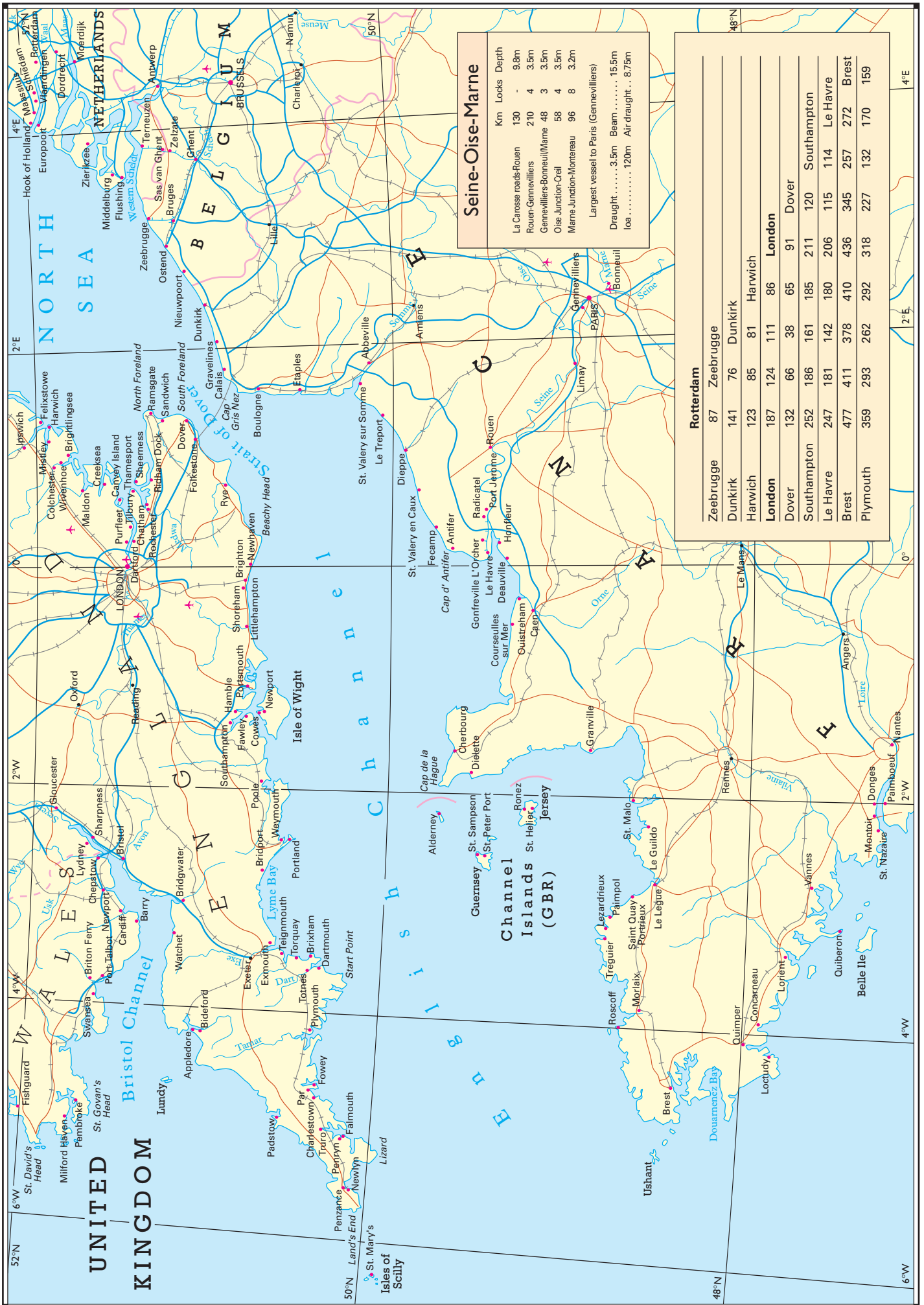
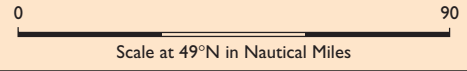












Seine-Oise-Marne

Km	Locks	Depth
La Crosse roads-Rouen	130	9.8m
Rouen-Gennevilliers	210	4 3.5m
Gennevilliers-Bonneuil/Seine	48	3 3.5m
Oise Junction-Creil	58	4 3.5m
Marne Junction-Montereau	96	8 3.2m

Largest vessel to Paris (Gennevilliers)
 Draught 3.5m Beam 15.5m
 loa 120m Air draught ... 8.75m

Rotterdam

Zeebrugge	87	Zeebrugge	87
Dunkirk	141	Dunkirk	76
Harwich	123	85	81
London	187	124	111
Dover	132	66	38
Southampton	252	186	161
Le Havre	247	181	142
Brest	477	411	378
Plymouth	359	293	262
		292	318
		227	132
		170	159







		Murmansk		†Via Kiel Canal																
Reykjavik	1517	Reykjavik																		
Glasgow	1678	854	Glasgow																	
Liverpool	1751	927	219	Liverpool																
Le Havre	1775	1305	604	501	Le Havre															
London	1699	1231	755	652	206	London														
Rotterdam	1627	1182	796	693	247	187	Rotterdam													
Hamburg	1566	1234	922	946	500	428	305	Hamburg												
Bergen	1108	873	667	740	698	613	536	487	Bergen											
Oslo	1450	1179	896	969	752	666	555	460	378	Oslo										
Gothenburg	1423	1152	870	943	691	598	501	402	350	163	Gothenburg									
Gdansk	1796	1525	1243	1316	862†	790†	667†	434†	723	538	406	Gdansk								
Stockholm	1952	1681	1399	1472	1015†	943†	820†	587†	879	694	560	345	Stockholm							
St. Petersburg	2221	1950	1668	1741	1296†	1224†	1101†	868†	1148	965	830	565	385							

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





GERMANY

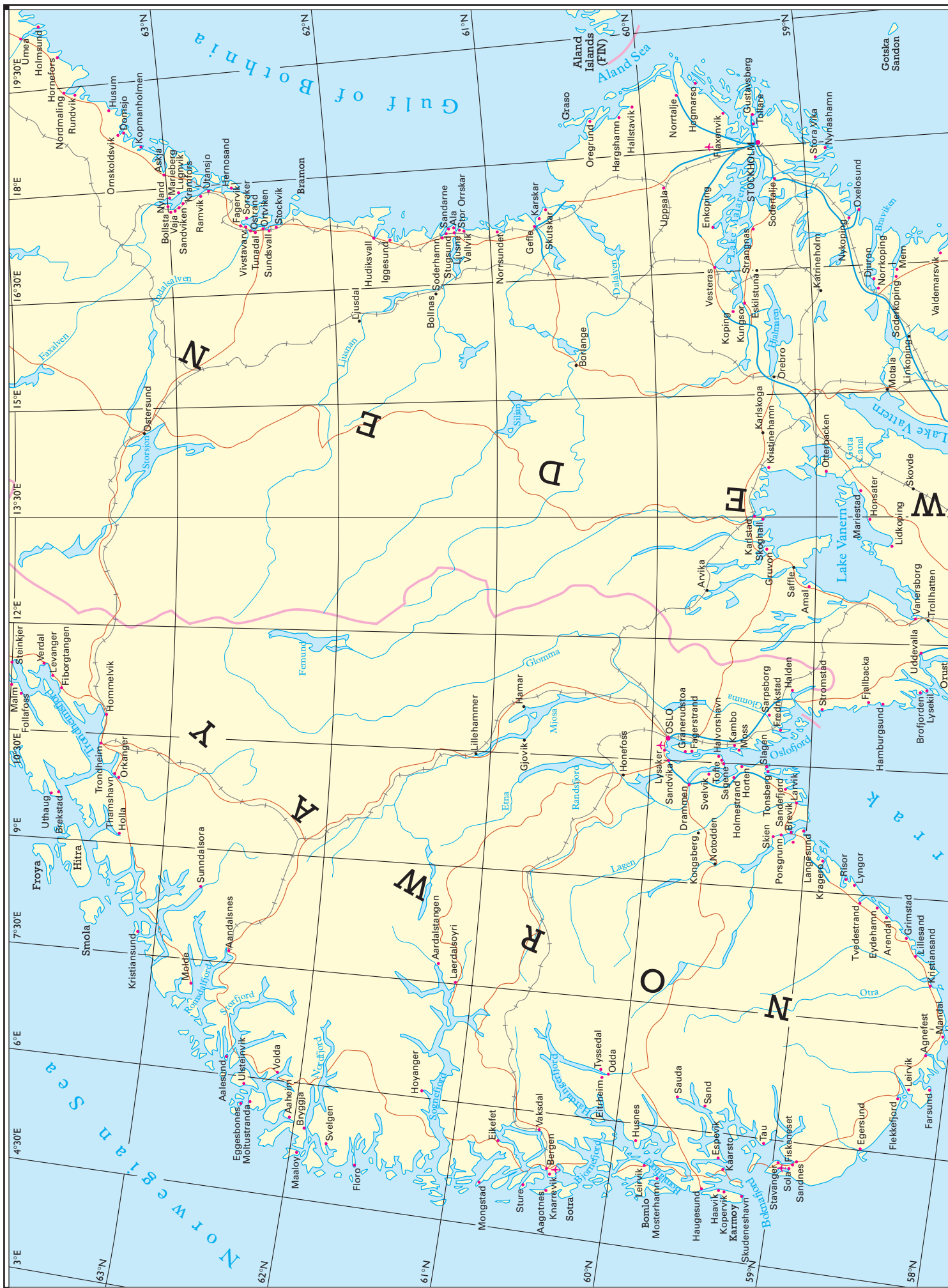
Rhine					
	Km	Nm		Km	Nm
Rotterdam	1001	540	Koblenz	592	319
Dordrecht	975	526	Karlsruhe	360	194
Nijmegen	886	479	Strasbourg	296	160
Emmerich	851	459	Basle	170	92
Cologne	686	370	Lake Constance	0	0

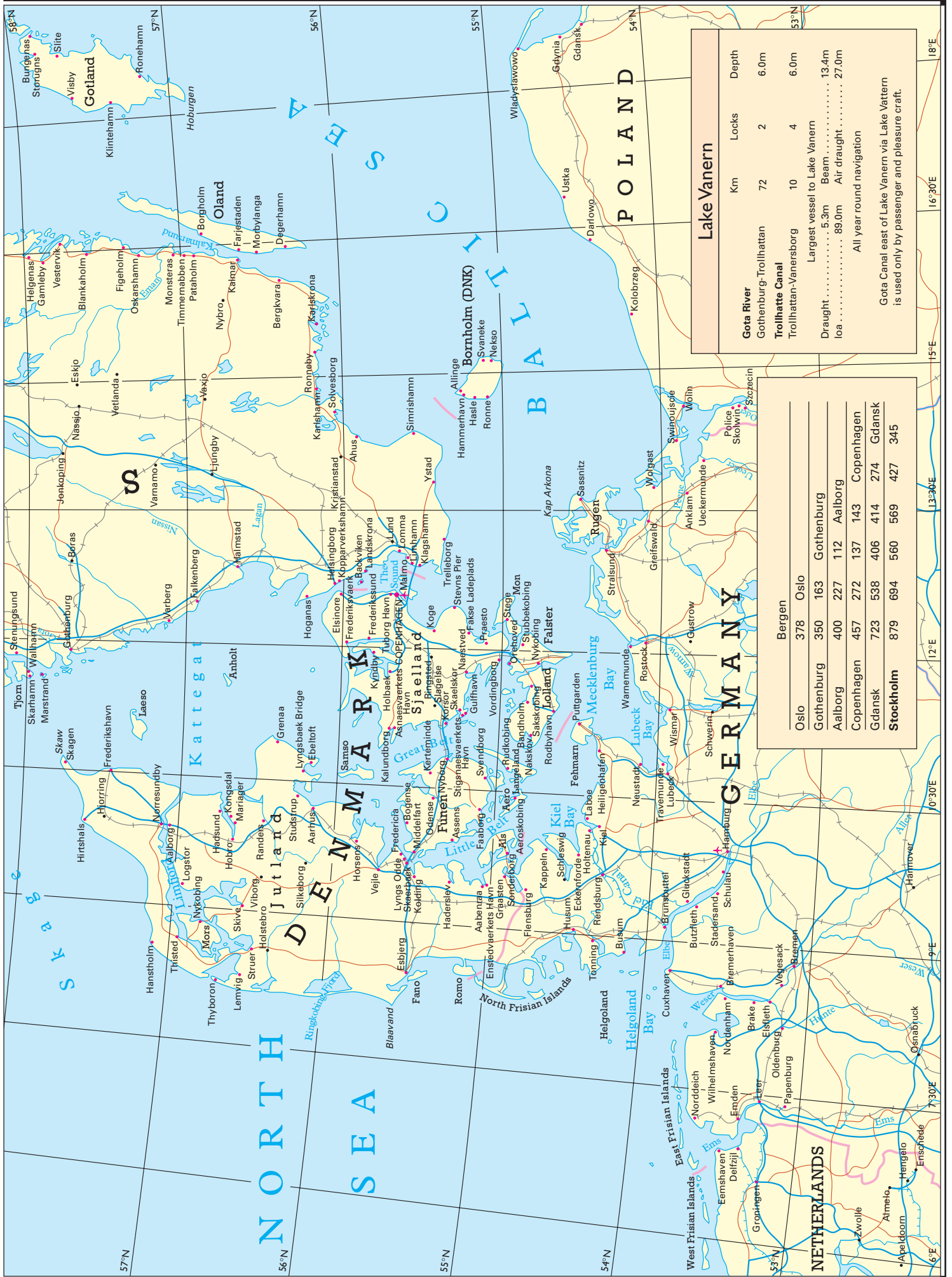
Lock free navigable distance from Rotterdam 668km/360nm

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





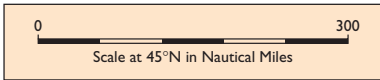
Lake Vanern			
Gota River	Km	Locks	Depth
Gothenburg-Trollhattan	72	2	6.0m
Trollhätte Canal			
Trollhattan-Vanernborg	10	4	6.0m
Draught 5.3m	Beam 13.4m
loa 89.0m	Air draught 27.0m
All year round navigation			
Gota Canal east of Lake Vanern via Lake Vattern is used only by passenger and pleasure craft.			

	Bergen	Oslo	Gothenburg	Aalborg	Copenhagen	Gdansk	Stockholm
Oslo	378	163	112	143	274	427	345
Gothenburg	400	227	137	143	274	427	345
Aalborg	457	272	137	143	274	427	345
Copenhagen	723	538	406	414	274	427	345
Gdansk	879	694	560	569	427	345	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
Stockholm	450	237	385	266	345 300 Stockholm
Sundsvall	290	356	499	414	509 476 227



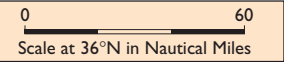
BLACK SEA, CASPIAN SEA



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







0 10
Nautical Miles **GULF of NAPLES**



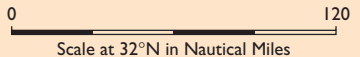
0 30
Nautical Miles **GULF of VENICE**



0 20
Nautical Miles **GULF of TUNIS**

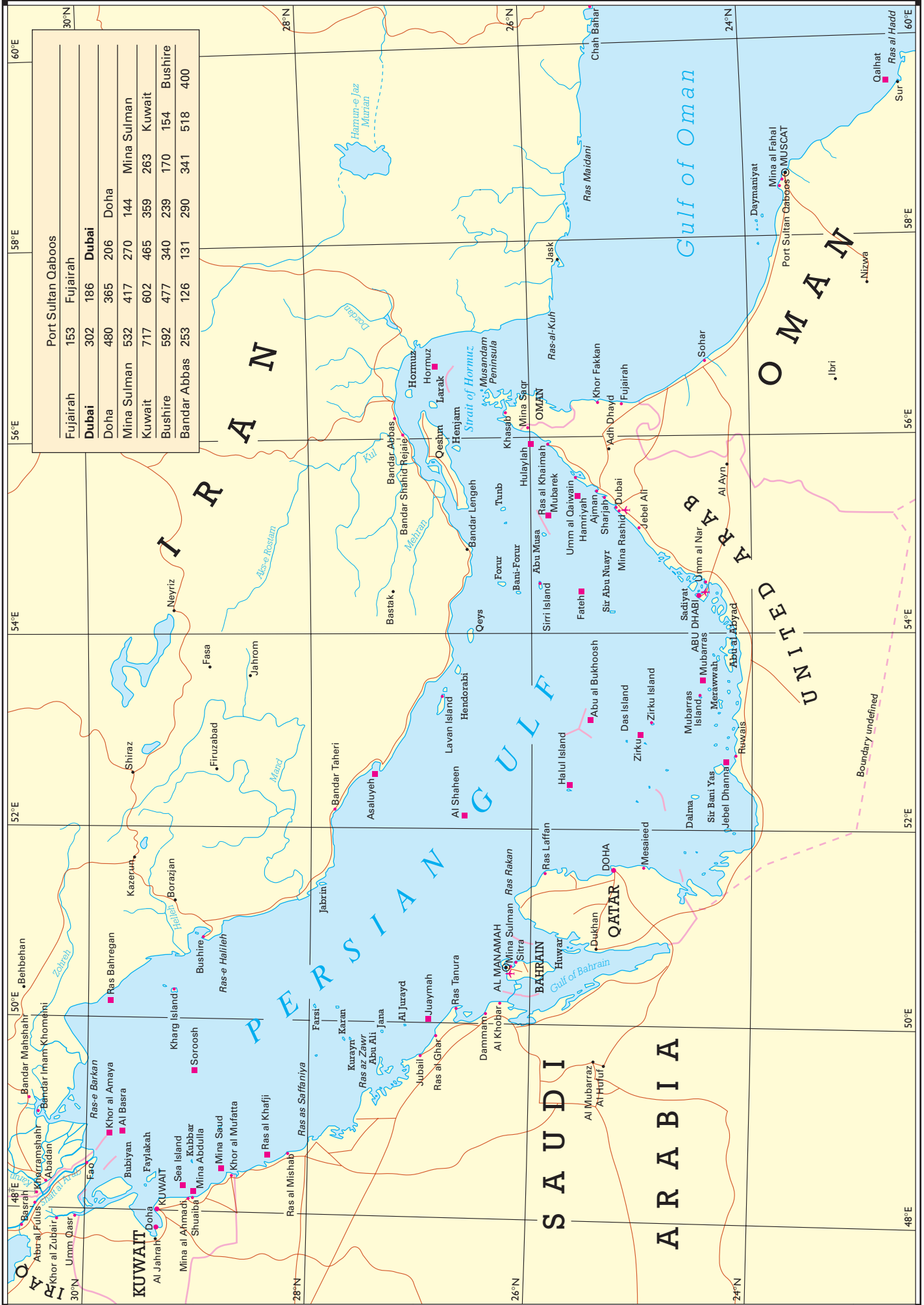






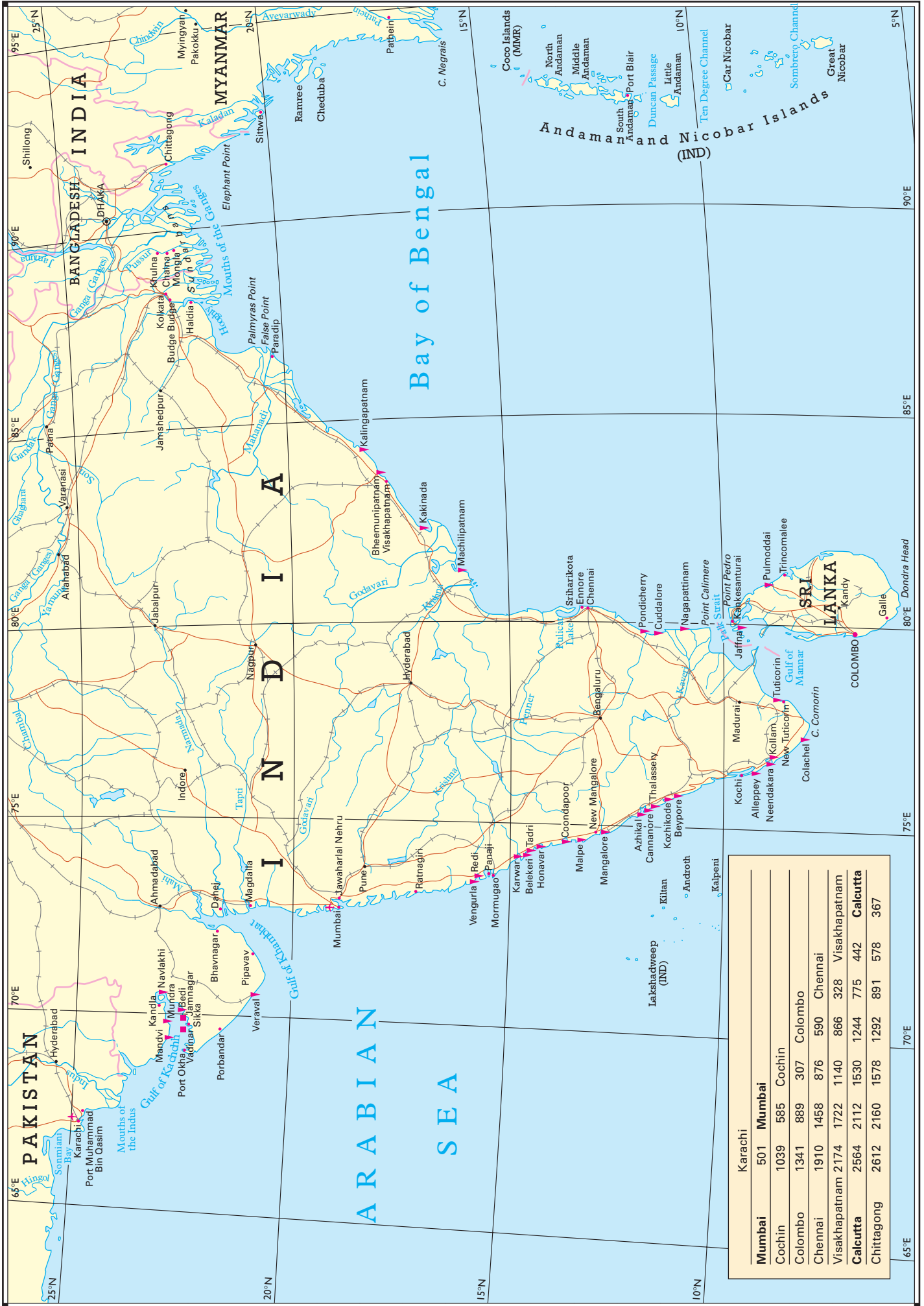












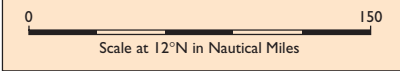
Yangon						
Port Klang	911	Port Klang				
Singapore	1117	210	Singapore			
Bangkok	1944	1037	831	Bangkok		
Ho Chi Minh City	1759	852	646	681	Ho Chi Minh City	
Da Nang	2144	1237	1031	1082	518	Da Nang
Haiphong	2435	1528	1322	1374	803	308





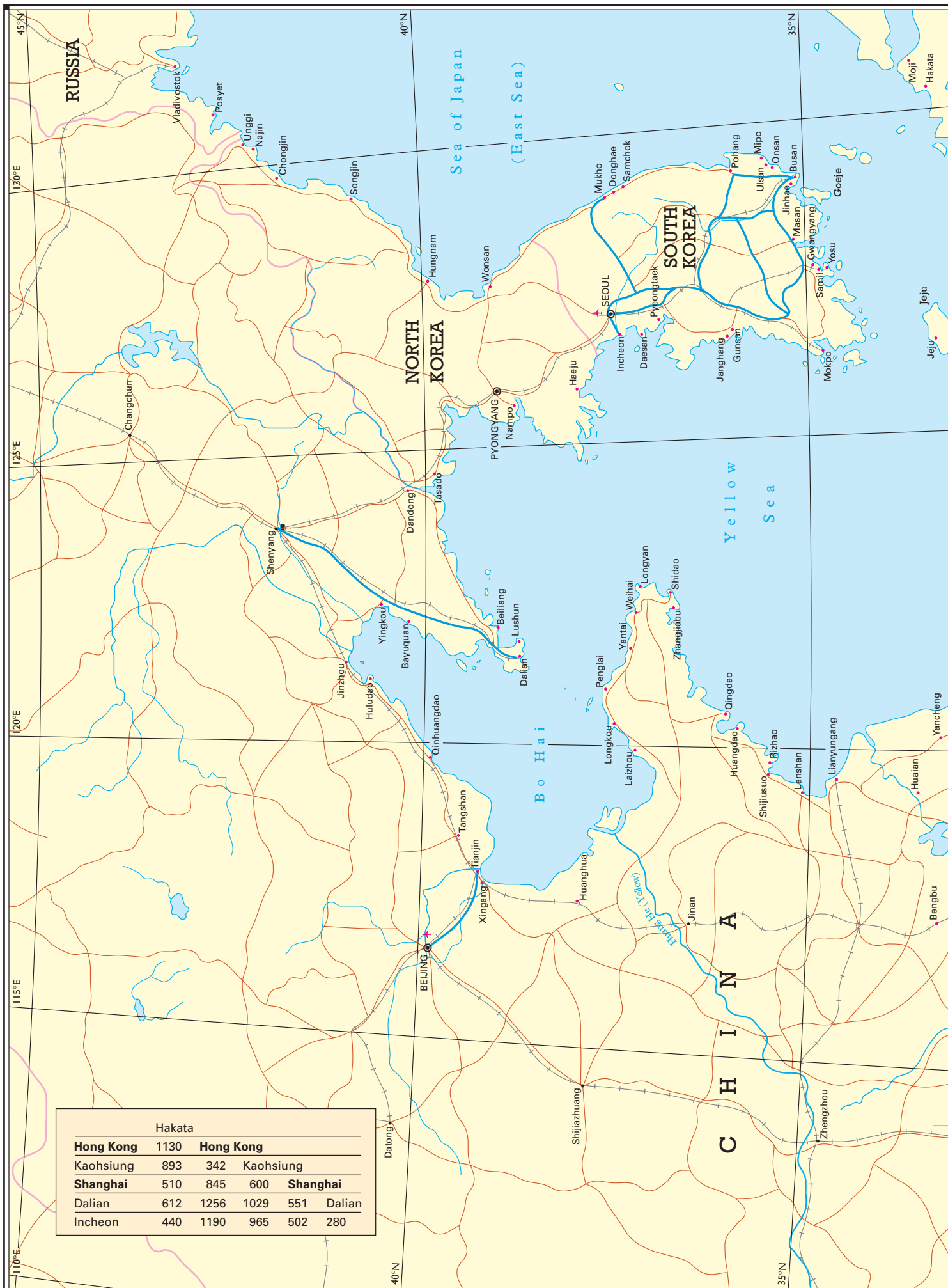


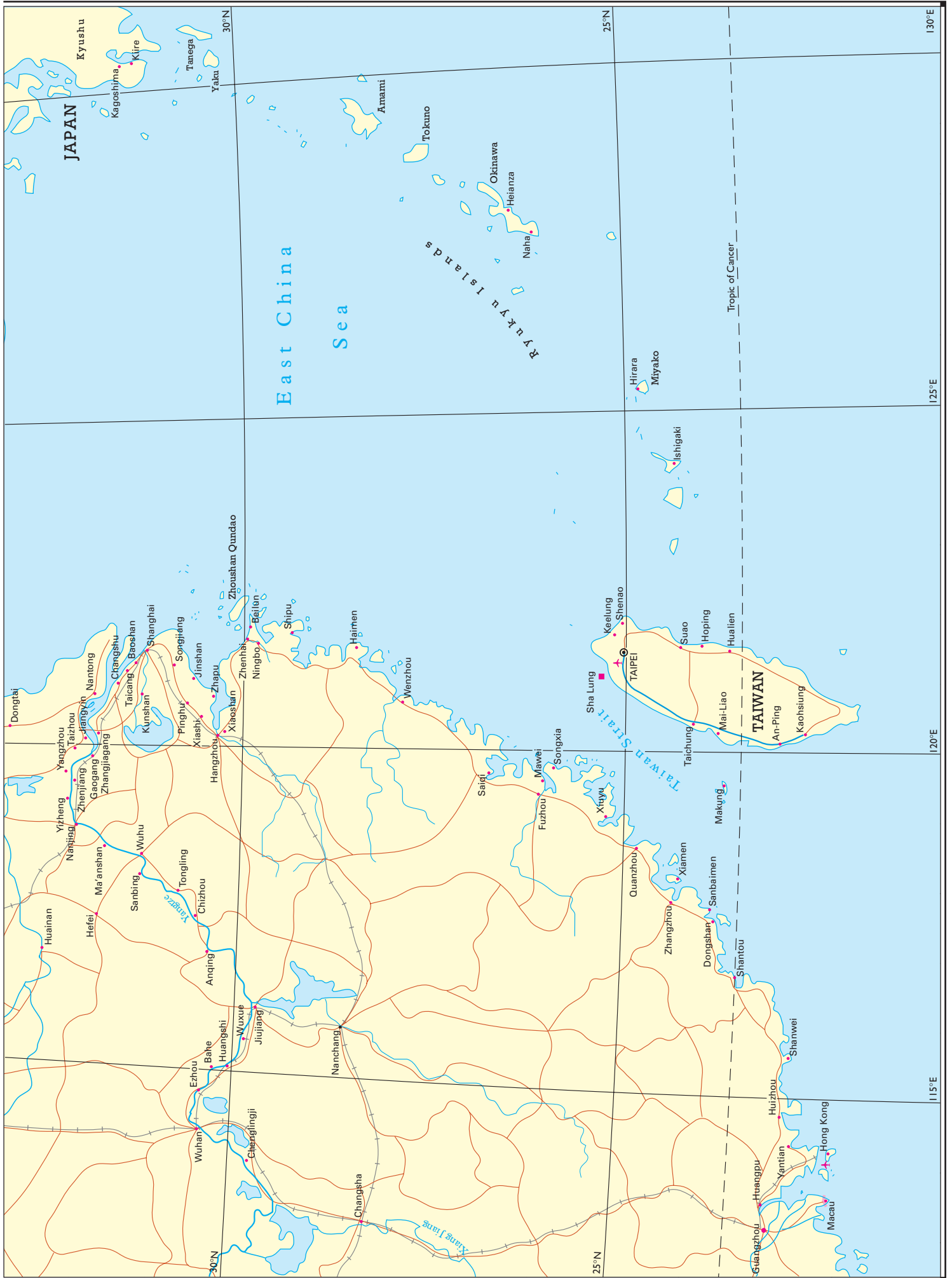
Singapore							
Belawan	375	Belawan					
Jakarta	525	861	Jakarta				
Surabaya	759	1130	386	Surabaya			
Darwin	1887	2254	1532	1200	Darwin		
Davao	1510	1881	1510	1246	1240	Davao	
Balikpapan	1055	1426	765	481	1169	771	Balikpapan
Sandakan	1040	1411	1248	1072	1444	568	605 Sandakan
Labuan	735	1106	935	1081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



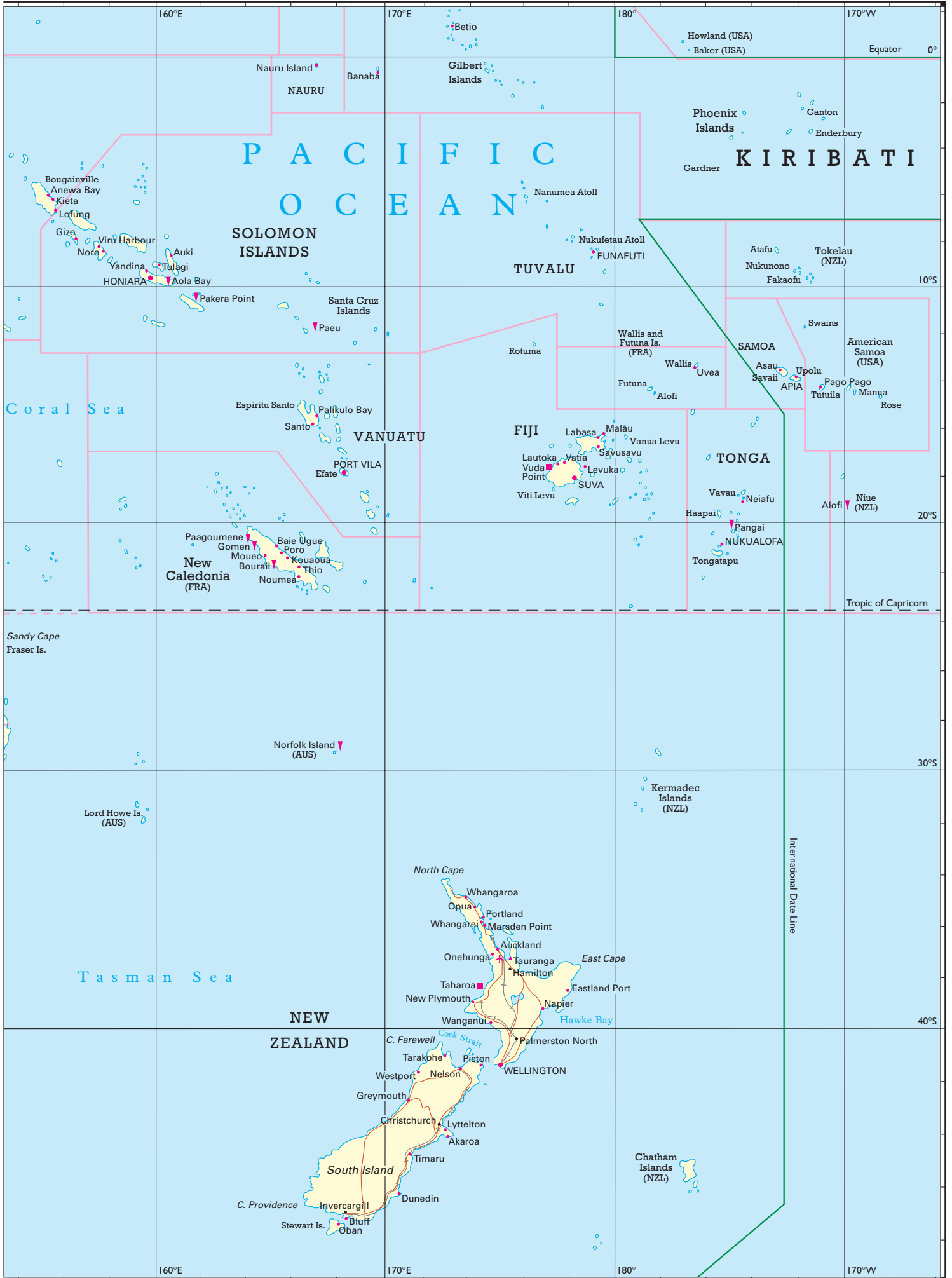
Olongapo					
Manila	64	Manila			
Iloilo	345	355	Iloilo		
Cebu	418	404	211	Cebu	
Davao	828	829	556	581	Davao
Zamboanga	512	508	235	260	321
Sandakan	675	581	400	441	568
				247	













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



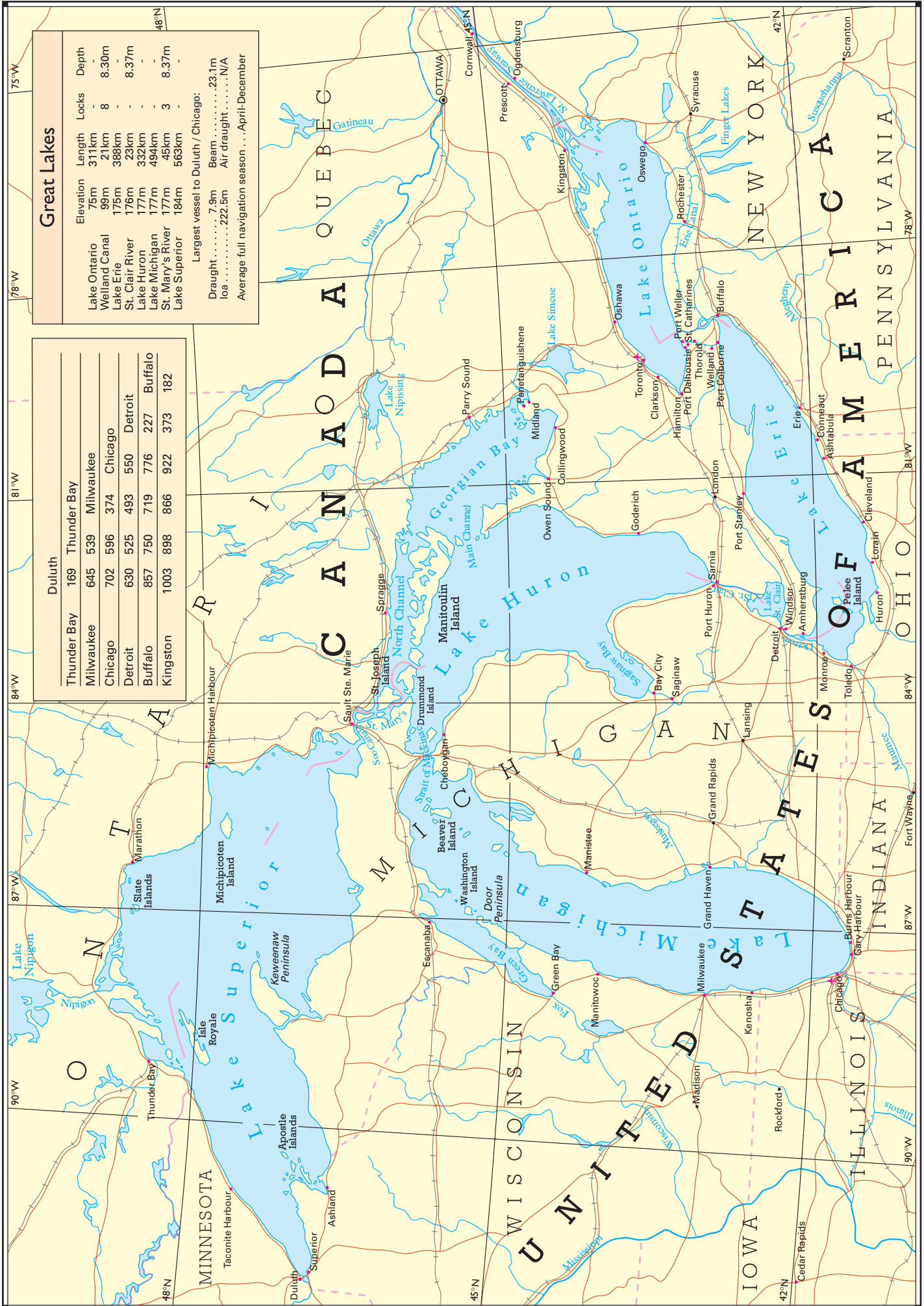
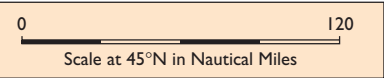




Montreal										
Halifax	958	Halifax								
Boston	1309	386	Boston							
New York	1516	593	378	New York						
Norfolk	1697	776	559	287	Norfolk					
Wilmington (NC)	1930	1007	800	559	359	Wilmington (NC)				
Bermuda	1621	757	705	697	667	747	Bermuda			
Jacksonville	2164	1240	1032	791	592	306	911	Jacksonville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





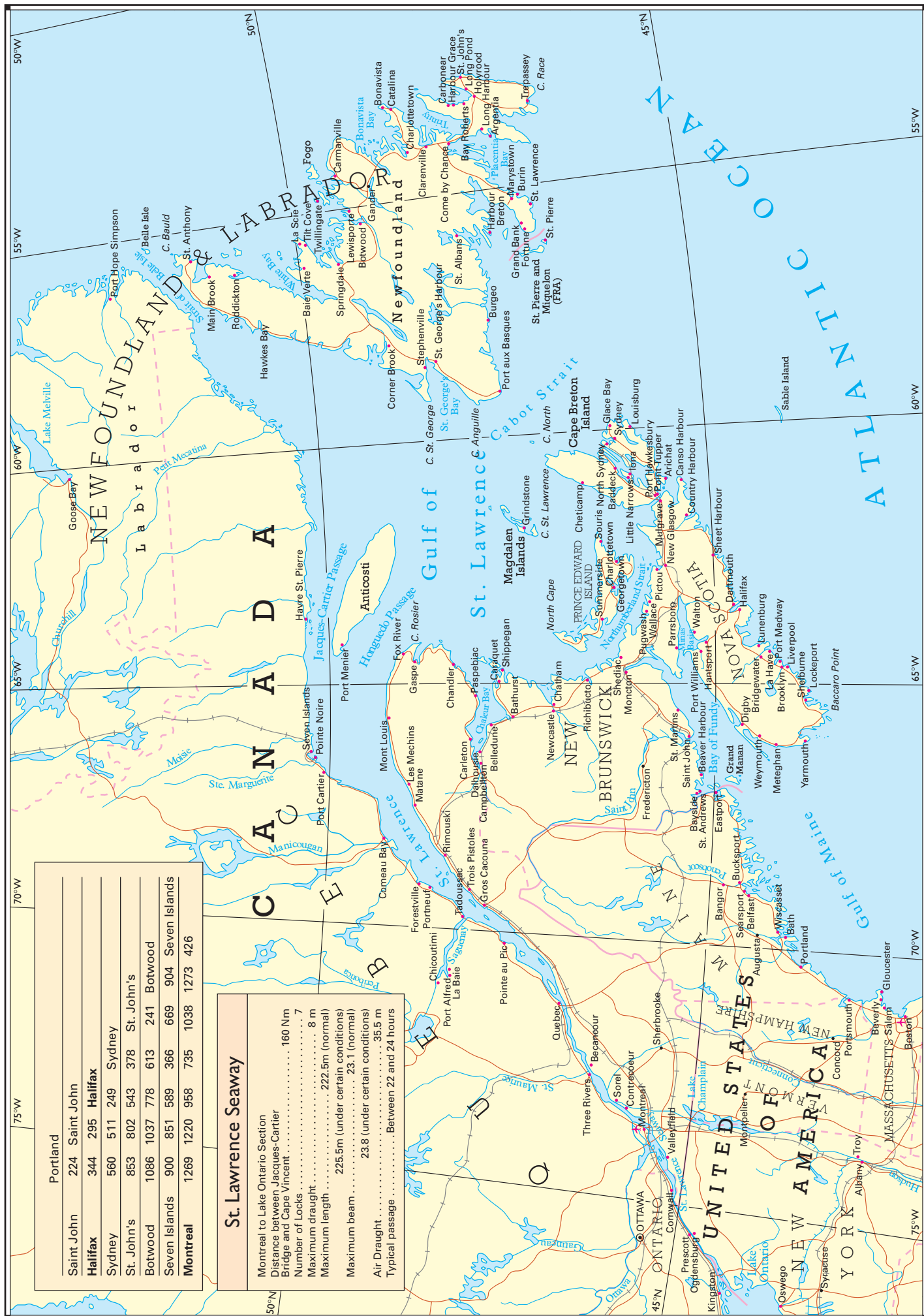
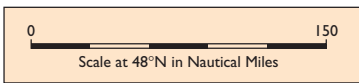


Great Lakes

	Elevation	Length	Locks	Depth
Lake Ontario	75m	311km	8	8.30m
Welland Canal	99m	21km	-	-
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	-	-

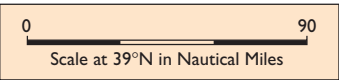
Largest vessel to Duluth / Chicago:
 Draught 7.9m Beam 23.1m
 loa 222.5m Air draught N/A
 Average full navigation season . . . April-December

	Duluth	Thunder Bay	Chicago	Detroit	Buffalo	Kingston
Thunder Bay	169	539	702	630	857	1003
Milwaukee	645	596	525	750	898	866
Chicago	374	493	719	776	922	373
Detroit	550	227	182			
Buffalo	776	227	182			
Kingston	922	373	182			



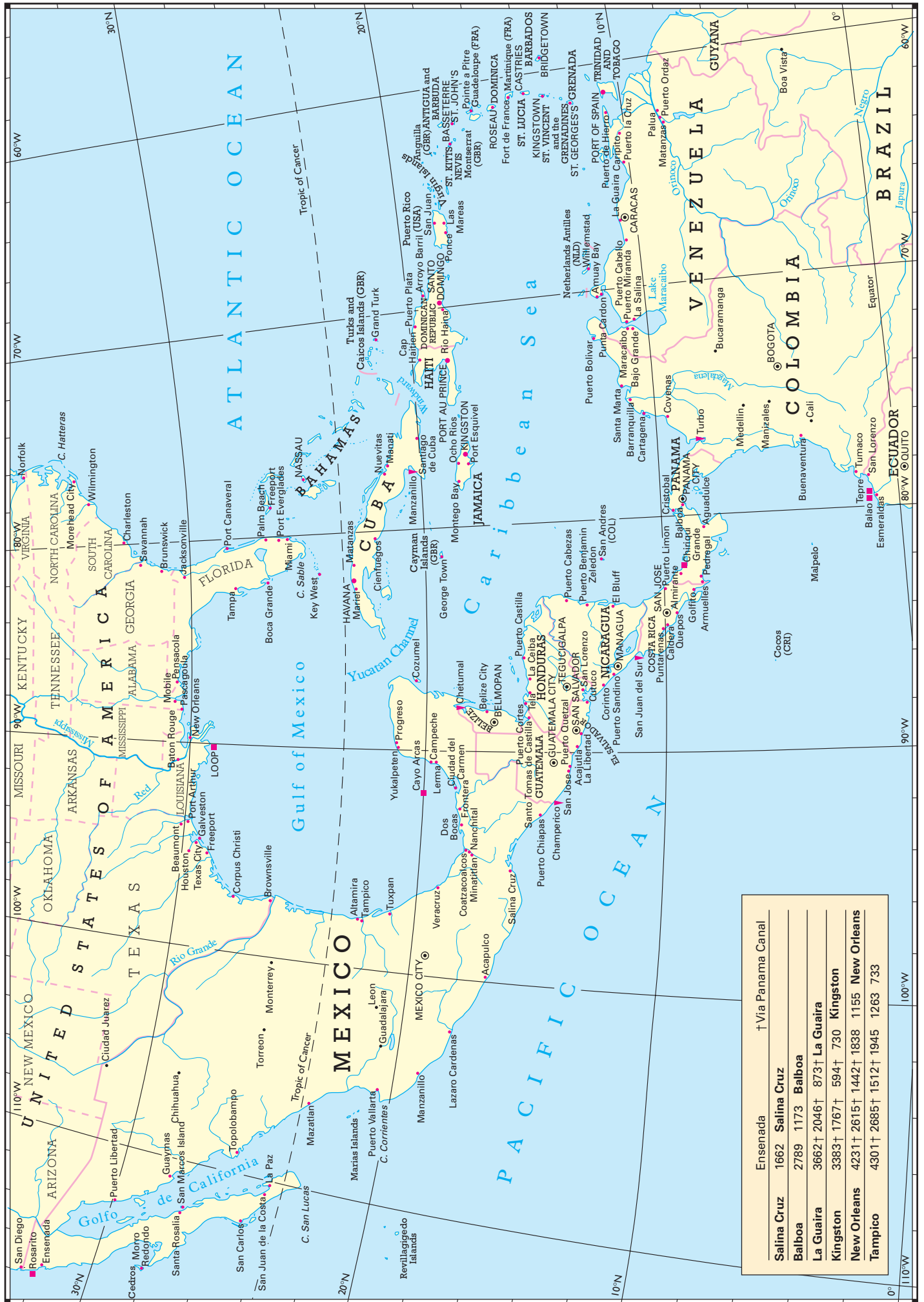
Portland	224	Saint John	344	295	Halifax	560	511	249	Sydney	853	802	543	378	St. John's	1086	1037	778	613	241	Botwood	900	851	589	366	669	904	Seven Islands	1269	1220	958	735	1038	1273	426	Montreal
----------	-----	------------	-----	-----	---------	-----	-----	-----	--------	-----	-----	-----	-----	------------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

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	222.5m (normal)
Maximum length	225.5m (under certain conditions)
Maximum beam	23.1 (normal)
Air Draught	23.8 (under certain conditions)
Typical passage	35.5 m
	Between 22 and 24 hours



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



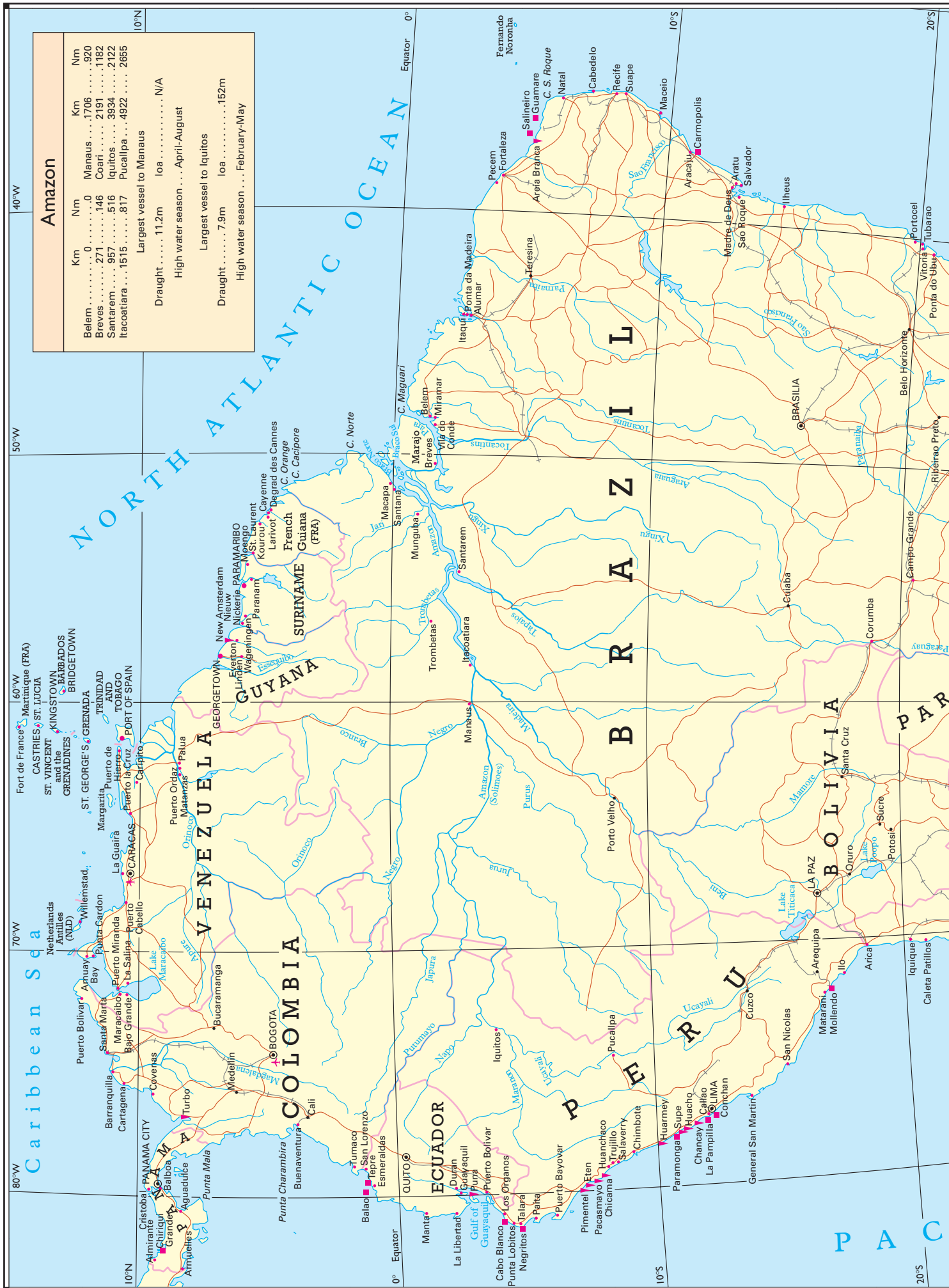


Ensenada	† Via Panama Canal		
Salina Cruz	1662	Salina Cruz	
Balboa	2789	1173	Balboa
La Guaira	3662†	2046†	873† La Guaira
Kingston	3383†	1767†	594† 730 Kingston
New Orleans	4231†	2615†	1442† 1838 1155 New Orleans
Tampico	4301†	2685†	1512† 1945 1263 733





Cristobal										
Belize City	798	Belize City								
Havana	990	523	Havana							
Kingston	555	696	743	Kingston						
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		
Port of Spain	1140	1624	1478	999	1035	678	575	222	Port of Spain	
La Guaira	834	1321	1281	730	790	500	538	404	329	La Guaira
Cartagena	276	901	1075	483	642	606	776	924	905	598





La Guaira		†Via Panama Canal	
Belem	1507	Belem	
Recife	2464 1089	Recife	
Rio de Janeiro	3437 2160 1078	Rio de Janeiro	
Buenos Aires	4535 3256 2177 1142	Buenos Aires	
Punta Arenas	4810† 4331 3248 2238 1395	Punta Arenas	
Valparaiso	3488† 4970† 4675 3665 2822 1427	Valparaiso	
Callao	2213† 3695† 4552† 4893 4050 2655 1299	Callao	
Guayaquil	1710† 3192† 4049† 5122† 4693 3298 1984	Guayaquil	
Bahia	873† 2355† 3212† 4285† 5383† 3937 2615 1340 837		



Parana

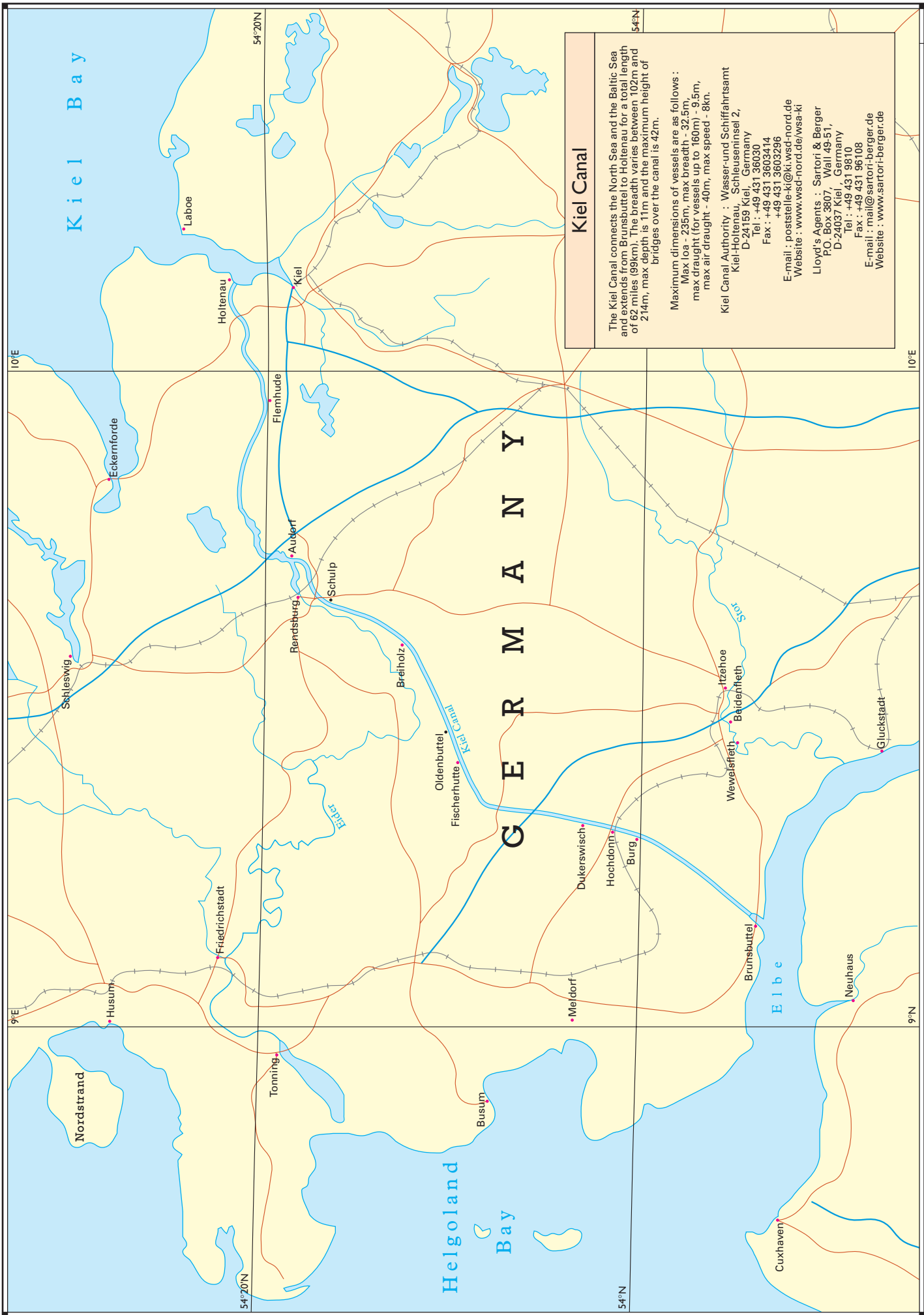
	Km	Nm	Km	Nm
Buenos Aires	...0	...0	756	...408
San Pedro	...276	...149	Corrientes	...1209
Rosario	...421	...227	Puerto Villeta	...1594
Sante Fe	...595	...321	Asuncion	...1632

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	Santos	Paranagua	Rio Grande	Montevideo	Buenos Aires	Rosario
Rio de Janeiro	278						
Santos	450	210					
Paranagua	572	336	155				
Rio Grande	993	753	608	496			
Montevideo	1285	1045	901	789	332		
Buenos Aires	1382	1142	998	886	429	129	Buenos Aires
Rosario	1565	1325	1181	1069	612	312	223



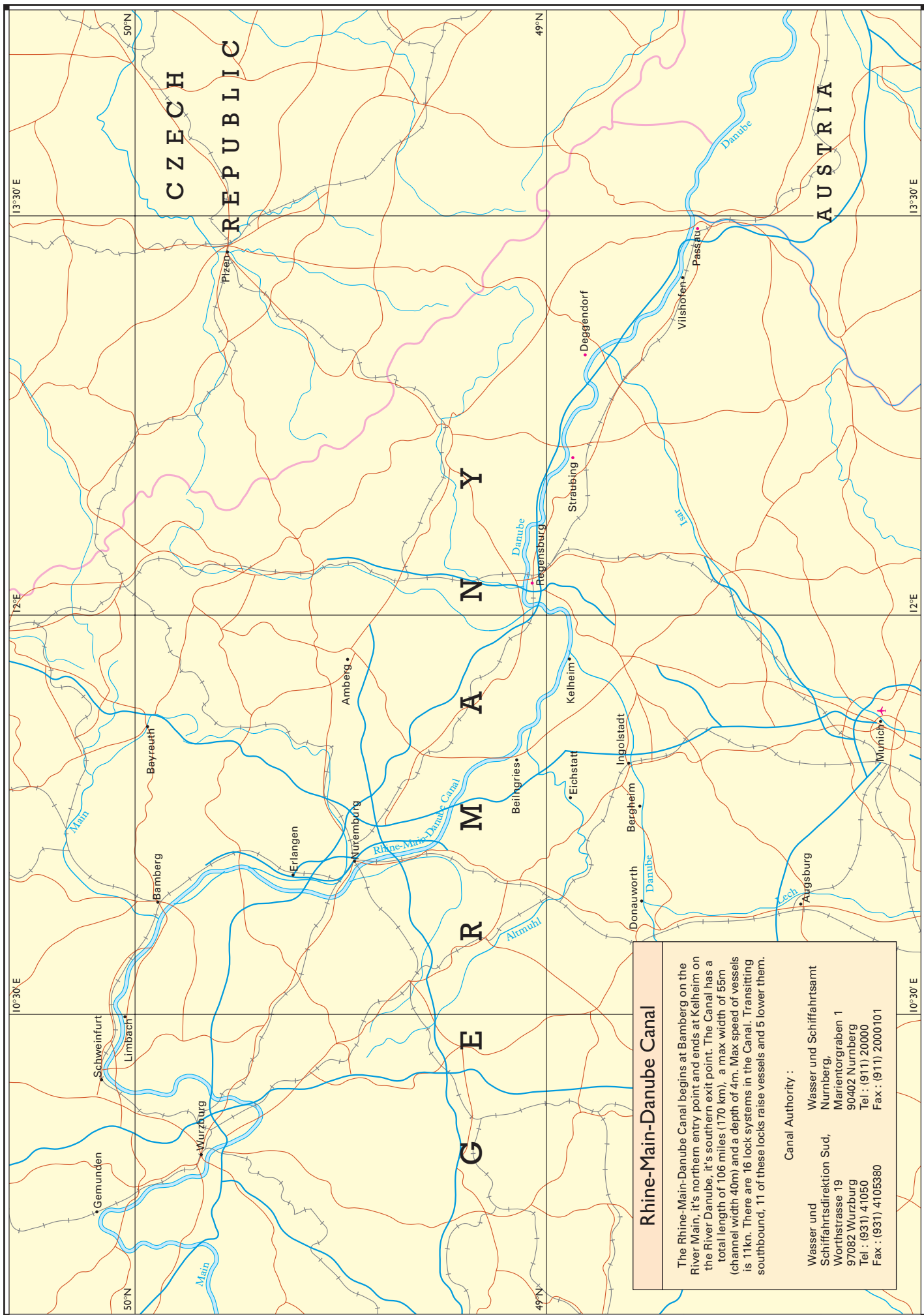
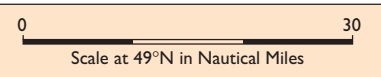
Kiel Canal

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 ton - 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-24159 Kiel, Germany
 Tel : +49 431 360330
 Fax : +49 431 3603414
 E-mail : poststelle-ki@ki.wsd-nord.de
 Website : www.wsd-nord.de/wsa-ki

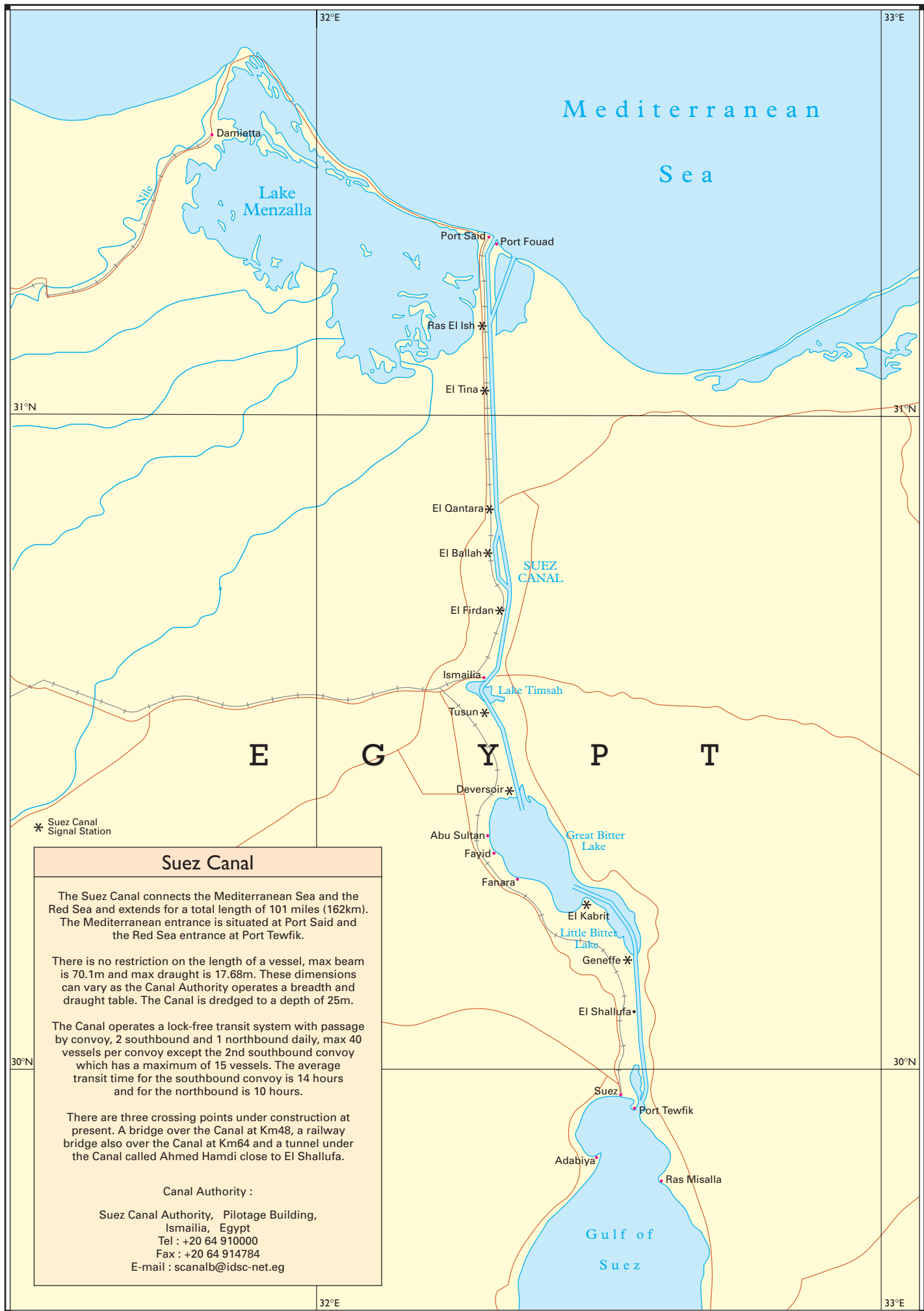
Lloyd's Agents : Sartori & Berger
 P.O. Box 3807, Wall 49-51,
 D-24037 Kiel, Germany
 Tel : +49 431 9810
 Fax : +49 431 96108
 E-mail : mail@sartori-berger.de
 Website : www.sartori-berger.de



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 Nürnberg, Marienortgraben 1 90402 Nürnberg Tel : (911) 20000 Fax : (911) 2000101
Wasser und Schifffahrtsamt	Wasser und Schifffahrtsamt Nürnberg, Marienortgraben 1 90402 Nürnberg Tel : (931) 41050 Fax : (931) 4105380



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.

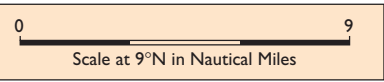
There is no restriction on the length of a vessel, max beam is 70.1m and max draught is 17.68m. These dimensions can vary as the Canal Authority operates a breadth and draught table. The Canal is dredged to a depth of 25m.

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

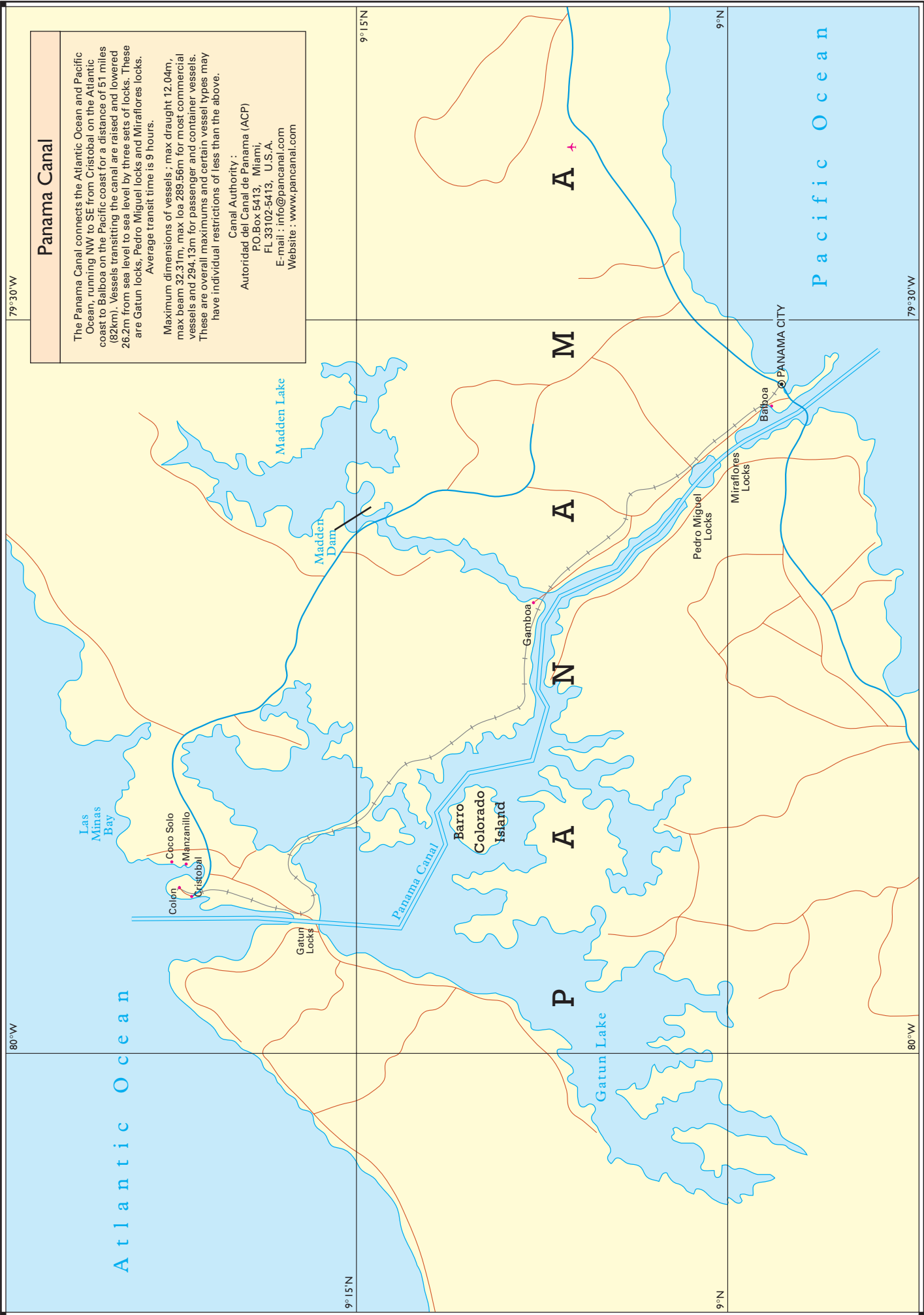


Panama Canal

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
 Website : www.pancanal.com



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

GEOGRAPHIC INDEX

69

UNITED KINGDOM

ENGLAND

River Thames

p.16/17

London 51 30 N 0 04 W
 P Q Y G C R L 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 B 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 Q Y G C B T A

Thamesport 51 26 N 0 42 E

G C 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 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 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 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

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 L B T A

Folkestone 51 05 N 1 12 E

G R B 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 B 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 B T A

River Itchen 50 54 N 1 22 W
 Southampton 50 54 N 1 24 W

P Q Y G C R L B 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 T A

1B

1C

1D

2A

2B

2C

2D

Portland 50 34 N 2 26 W

Q G B L 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

R B T 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 T 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
 Trevoise 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 T 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 B D T A
 Gloucester 51 52 N 2 13 W

WALES

River Wye
 Chepstow 51 39 N 2 40 W
 River Usk
 Bird Port 51 34 N 2 58 W
 Y G A
 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 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 T 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
 Clynog 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

4B

4C

4D

5A

Holyhead 53 19 N 4 37 W
 Y G R L 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
 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 A
 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 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

6A

5B

6B

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
 Y G A
 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
 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
 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

5C

6C

5D

6D

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

GEOGRAPHIC INDEX

71

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
 River Wyre
 Fleetwood 53 56 N 3 00 W
 R B T A

River Lune
 Glasson Dock 54 00 N 2 50 W
 Y G C

Lancaster 54 00 N 2 51 W
 Heysham 54 02 N 2 55 W
 G C R B T A

Morecambe Bay
 Morecambe 54 04 N 2 53 W
 Ulverston 54 12 N 3 05 W
 Piel 54 04 N 3 10 W
 Barrow-in-Furness 54 06 N 3 13 W
 Q Y G R B T A

Millom 54 11 N 3 16 W
 Isle of Man
 Point of Ayre 54 25 N 4 22 W
 Ramsey 54 19 N 4 23 W
 Y G C B A

Douglas 54 09 N 4 28 W
 P Q Y G C R B T A

Castletown 54 04 N 4 39 W
 G T A

Port St. Mary 54 04 N 4 44 W
 G T A

Port Erin 54 05 N 4 45 W
 Peel 54 14 N 4 42 W
 P G T A

Ravenglass 54 21 N 3 25 W
 Whitehaven 54 33 N 3 35 W
 Harrington 54 37 N 3 34 W
 Workington 54 39 N 3 34 W
 P Q Y G C R B T A

Maryport 54 43 N 3 30 W
 Silloth 54 52 N 3 24 W
 Q Y G A

NORTHERN IRELAND

Lough Foyle
 Lisahally 55 02 N 7 16 W
 Londonderry 54 59 N 7 19 W
 P Y G T A

Coleraine 55 08 N 6 40 W
 Y G C B A

Port Stewart 55 11 N 6 43 W
 Portrush 55 13 N 6 40 W
 Rathlin Island 55 17 N 6 10 W
 Ballycastle 55 13 N 6 14 W
 Carnlough 54 59 N 6 00 W
 Glenarm 54 57 N 5 57 W
 Lough Larne
 Larne 54 51 N 5 47 W
 G C R L B T A

Ballylumford 54 50 N 5 47 W
 Magheramorne 54 49 N 5 46 W

Belfast Lough
 Kilroot 54 43 N 5 45 W
 Carrickfergus 54 39 N 5 53 W
 Belfast 54 36 N 5 56 W
 P Q Y G C R B D T A

Bangor 54 40 N 5 40 W
 Groomsport Bay 54 41 N 5 36 W
 Donaghadee 54 39 N 5 32 W
 Ballywalter 54 33 N 5 29 W
 Portavogie 54 27 N 5 26 W
 Strangford Lough
 Portaferry 54 23 N 5 33 W
 Killyleagh 54 24 N 5 39 W

7A

Quoile Quay 54 21 N 5 41 W
 Strangford 54 23 N 5 36 W
 Ardglass 54 16 N 5 37 W
 Dundrum 54 16 N 5 51 W
 Newcastle 54 12 N 5 53 W
 Annalong 54 06 N 5 54 W
 Ballymartin 54 05 N 5 56 W
 Kilkeel 54 04 N 6 00 W
 Carlingford Lough
 Warrenpoint 54 06 N 6 15 W
 Q Y G C R B T A
 Newry 54 11 N 6 20 W

REPUBLIC OF IRELAND (EIRE)

Carlingford 54 03 N 6 11 W
 Greenore 54 02 N 6 08 W
 Y G C B A

Dundalk 54 00 N 6 23 W
 P Y G B A

River Boyne
 Drogheda 53 43 N 6 21 W
 P Q Y G C B T A

Balbriggan 53 37 N 6 11 W
 Skerries 53 35 N 6 06 W
 Howth 53 23 N 6 04 W
 Dublin 53 21 N 6 13 W
 P Q Y G C R B D T A

Dun Laoghaire 53 18 N 6 08 W
 R B T A

Bray 53 12 N 6 06 W
 Wicklow 52 59 N 6 02 W
 Y G T A

Arklow 52 48 N 6 09 W
 P Q Y G B D T A

Cahore Point 52 34 N 6 11 W
 Wexford 52 20 N 6 25 W
 Rosslare 52 15 N 6 20 W
 R B T A

Tuskar Light 52 12 N 6 12 W
 Carnsore Point 52 10 N 6 22 W
 Kilmore 52 11 N 6 35 W
 Bannow Bay 52 12 N 6 49 W
 Waterford Harbour
 Duncannon 52 13 N 6 55 W
 New Ross 52 24 N 6 57 W
 P Y G B T A

Waterford 52 07 N 6 55 W
 P Q Y G C R B T A

Passage East 52 14 N 6 59 W
 Dunmore East 52 09 N 6 59 W
 Tramore 52 10 N 7 09 W
 Dungarvan 52 05 N 7 36 W
 Youghal 51 56 N 7 50 W
 Y G B T A

Cork Harbour
 Whitegate 51 50 N 8 15 W
 Ballinacurra 51 53 N 8 10 W
 Cobh 51 51 N 8 17 W
 Haulbowline Island 51 50 N 8 18 W
 Passage West 51 52 N 8 20 W
 Cork 51 54 N 8 28 W
 P Q Y G C R L B D T A

Crosshaven 51 48 N 8 17 W
 Daunt Rock Light 51 43 N 8 15 W
 River Bandon
 Kinsale 51 42 N 8 30 W
 Y G B T A

Kilmacsimon 51 45 N 8 44 W
 Old Head of Kinsale 51 36 N 8 32 W
 Courtmacsherry 51 38 N 8 43 W
 Clonakilty 51 37 N 8 52 W
 Galley Head 51 32 N 8 57 W
 Glandore 51 34 N 9 07 W
 Union Hall 51 34 N 9 08 W
 Castletownsend 51 31 N 9 11 W
 Baltimore 51 27 N 9 24 W
 G T A

7B

7C

7D

8A

Skibbereen 51 33 N 9 16 W
 Fastnet Rock 51 23 N 9 36 W
 Skull (Schull) 51 31 N 9 32 W
 Crookhaven 51 29 N 9 42 W
 Mizen Head 51 27 N 9 49 W
 Bantry Bay
 P Y G B T A

Bantry 51 42 N 9 28 W
 Glengarriff 51 45 N 9 32 W
 Bear Haven
 Lawrence Cove 51 38 N 9 49 W
 Castletownbere 51 39 N 9 54 W
 G B T A

Kenmare 51 52 N 9 36 W
 Portmagee 51 53 N 10 23 W
 Valentia 51 56 N 10 18 W
 Cahirciveen 51 58 N 10 20 W
 G B A

Dingle Bay
 Dingle 52 08 N 10 16 W
 Ventry 52 07 N 10 22 W

Tralee Bay
 Tralee 52 16 N 9 42 W
 Fenit 52 16 N 9 51 W
 Y G B A

Shannon River
 Ballylongford 52 33 N 9 28 W
 Tarbert Island 52 35 N 9 22 W
 P T A

Foynes Island 52 37 N 9 07 W
 Foynes 52 37 N 9 06 W
 P Q Y G B T A

Aughinish Island 52 38 N 9 03 W
 P Q Y B T A

Beagh Castle 52 40 N 8 57 W
 Dernish Island 52 41 N 8 55 W
 P A

Limerick 52 40 N 8 38 W
 P Q Y G B T A

Clarecastle 52 49 N 8 57 W
 Killadysert 52 40 N 9 06 W
 Moneypoint 52 36 N 9 24 W
 Y B T A

Kilrush 52 38 N 9 30 W
 G B T A

Galway Bay
 Black Head 53 09 N 9 16 W
 Galway 53 16 N 9 03 W
 P Y G L B T A

Aran Islands
 Inishmore Island
 Kilonan 53 07 N 9 40 W
 Slyne Head 53 24 N 10 14 W
 Clifden 53 29 N 10 01 W
 Killary Bay
 Leenaun 53 36 N 9 42 W

Clew Bay
 Westport 53 48 N 9 32 W
 Newport 53 53 N 9 33 W

Blacksod Bay
 Belmullet 54 13 N 9 59 W
 Blacksod 54 06 N 10 04 W
 Broadhaven 54 17 N 9 52 W
 Killala Bay
 Killala 54 13 N 9 13 W
 Ballina 54 07 N 9 10 W
 Sligo 54 16 N 8 28 W
 Y G T A

Donegal Bay
 Ballyshannon 54 30 N 8 12 W
 Donegal 54 39 N 8 07 W
 Killybegs 54 38 N 8 26 W
 Y G B T A

Burtonport 55 00 N 8 26 W
 Bunbeg 55 03 N 8 19 W
 Tory Island 55 16 N 8 15 W
 Mulroy Bay
 Port Millford 55 06 N 7 42 W

8B

8C

8D

9A

9B

9C

9D

REPUBLIC OF IRELAND (EIRE) *continued*

10A

Lough Swilly
 Portsalon 55 13 N 7 32 W
 Rathmullen 55 06 N 7 32 W
 Ramelton 55 02 N 7 38 W
 Letterkenney 54 57 N 7 45 W
 Buncrana 55 08 N 7 27 W
 Malin Head 55 23 N 7 24 W
 Inishtrahull Island 55 26 N 7 14 W
 Lough Foyle
 Moville 55 11 N 7 02 W

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

10B

G B T 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 B 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 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
 Gourrock 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 L B D T 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

10D

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 B A

Glenmullan 56 07 N 4 49 W
 Coulport 56 04 N 4 53 W

Holy Loch

Strome 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

Loch Fyne

Portavadie 55 52 N 5 18 W

Inveraray 56 13 N 5 05 W

Furnace 56 09 N 5 11 W

Ardrishaig 56 00 N 5 26 W

Y G B A

Crinan Canal (S. Entrance)

Tarbert 55 52 N 5 26 W

Isle of Arran

Brodick 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 T 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 T 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

Glencripesdale 56 40 N 5 49 W

11A

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

Vaternish Point 57 36 N 6 38 W

Uig 57 35 N 6 21 W

Portree 57 24 N 6 11 W

P G L B A

Broadford 57 14 N 5 54 W

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 L A

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

Tiumpnan Head 58 16 N 6 08 W

Stornoway 58 12 N 6 23 W

P Q G R L B 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

12A

11B

12B

11C

12C

11D

12D

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

GEOGRAPHIC INDEX

73

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

SHETLAND ISLANDS

Fair Isle 59 31 N 1 19 W
 Mainland Shetland
 Sumburgh Head 59 51 N 1 16 W
 Scalloway 60 08 N 1 16 W
 Q Y G B T A

Walls 60 14 N 1 34 W
 Sullom Voe 60 27 N 1 20 W
 P Q Y G R B T A

Vidlin Voe 60 23 N 1 08 W
 Lerwick 60 09 N 1 08 W
 G R B T A

Sandwick 60 00 N 1 14 W
 Bressay 60 08 N 1 05 W
 Yell
 Tofts Voe 60 30 N 1 11 W
 Bay of Ulsta 60 30 N 1 10 W
 Mid Yell Voe 60 36 N 1 04 W
 Cullivoe 60 42 N 1 00 W
 Unst
 Baltasound 60 45 N 0 50 W
 Muckle Flugga 60 51 N 0 53 W

NORTH SEA TERMINALS

Thistle 61 23 N 1 36 E
 Statfjord (Norway) 61 15 N 1 51 E
 Gullfaks (Norway) 61 12 N 2 12 E
 Brent 61 05 N 1 43 E
 Oseberg (Norway) 60 30 N 2 50 E
 Beryl 59 33 N 1 32 E
 Maureen 58 08 N 1 42 E
 Buchan 57 54 N 0 02 E
 Kittiwake 57 28 N 0 31 E
 Montrose 57 27 N 1 23 E
 Ekofisk (Norway) 56 33 N 3 13 E
 Fulmar 56 28 N 2 09 E
 Auk 56 23 N 2 04 E
 Gorm (Denmark) 55 35 N 4 46 E

SCOTLAND

Sinclair's Bay 58 29 N 3 03 W
 Wick 58 26 N 3 05 W
 P Y G C B A

Lybster 58 18 N 3 17 W
 Dunbeath 58 15 N 3 25 W
 Helmsdale 58 07 N 3 39 W
 Dornoch Firth
 Portmahomack 57 50 N 3 49 W
 Tarbat Ness Light 57 52 N 3 46 W
 Moray Firth
 Beatrice Terminal 58 08 N 3 03 W
 Cromarty Firth
 Nigg Terminal 57 42 N 4 02 W
 P Y G D T A

Invergordon 57 41 N 4 10 W
 P Q Y G R B T A

Dingwall 57 36 N 4 25 W
 Cromarty 57 41 N 4 02 W
 Inverness Firth
 Inverness 57 30 N 4 14 W
 P Y G B A

Caledonian Canal (N. Entrance)
 Ardersier 57 34 N 4 02 W
 Nairn 57 35 N 3 52 W
 Findhorn 57 39 N 3 36 W
 Burghead 57 42 N 3 30 W
 Y G B A

Lossiemouth 57 43 N 3 17 W
 Port Gordon 57 40 N 3 01 W

13A

13B

p.19

13C

p.16/17

13D

Buckie 57 41 N 2 57 W
 Y G B A

Findochty 57 42 N 2 54 W
 Portknockie 57 42 N 2 52 W
 Portsoy 57 41 N 2 41 W
 Banff 57 40 N 2 31 W
 Macduff 57 40 N 2 30 W
 Y G B A

Gardenstown 57 40 N 2 20 W
 Rosehearty 57 42 N 2 07 W
 Sandhaven 57 41 N 2 01 W
 Kinnairds Head 57 42 N 2 00 W
 Fraserburgh 57 41 N 2 00 W
 Q Y G C R B D T A

Ratray Head 57 37 N 1 49 W
 Peterhead 57 30 N 1 47 W
 Q Y G C R B D T A

Buchan Ness 57 28 N 1 46 W
 Port Erroll 57 25 N 1 50 W
 Newburgh 57 19 N 2 00 W
 River Dee
 Aberdeen 57 09 N 2 04 W
 P Q Y G C R B D T A

Portlethen 57 03 N 2 07 W
 Stonehaven 56 58 N 2 12 W
 Gourdon 56 50 N 2 17 W
 Johnshaven 56 48 N 2 20 W
 Montrose 56 42 N 2 28 W
 Q Y G C R B T A

Arbroath 56 33 N 2 35 W
 Carnoustie 56 30 N 2 42 W
 Firth of Tay
 Broughty Ferry 56 28 N 2 52 W
 Dundee 56 28 N 2 58 W
 Y G C R B T A

River Tay
 Perth 56 24 N 3 26 W
 Q Y G B T A

Newburgh 56 21 N 3 15 W
 Tayport 56 27 N 2 53 W
 Firth of Forth
 Crail 56 15 N 2 38 W
 Isle of May 56 11 N 2 33 W
 Anstruther 56 12 N 2 42 W
 Pittenweem 56 13 N 2 44 W
 St. Monans 56 12 N 2 46 W
 Elie 56 11 N 2 49 W
 Largo Bay 56 13 N 2 56 W
 Leven 56 12 N 3 00 W
 Methil 56 11 N 3 00 W
 Y G B T A

Buckhaven 56 10 N 3 02 W
 Kirkcaldy 56 07 N 3 09 W
 Kinghorn 56 04 N 3 10 W
 Inchkeith 56 02 N 3 09 W
 Burntisland 56 03 N 3 14 W
 Aberdour 56 03 N 3 18 W
 Braefoot Bay 56 02 N 3 18 W
 Q T A

St. Davids 56 02 N 3 22 W
 Inverkeithing 56 02 N 3 24 W
 River Forth
 North Queensferry 56 00 N 3 24 W
 Rosyth 56 01 N 3 27 W
 P Q Y G R A

Charlestown 56 02 N 3 30 W
 Crombie 56 02 N 3 34 W
 Longannet 56 03 N 3 41 W
 Alloa 56 06 N 3 48 W
 Stirling 56 07 N 3 56 W
 Grangemouth 56 02 N 3 41 W
 P Q Y G C R B D T A

Forth and Clyde Canal (E. Entrance)
 Bo'ness (Borrowstounness)
 56 01 N 3 36 W
 South Queensferry 55 59 N 3 24 W
 Hound Point 56 00 N 3 22 W
 P B T A

14A

14B

14C

14D

Granton 55 59 N 3 13 W
 G R B A

Leith 55 59 N 3 10 W
 P Q Y G C R L B D T A

Fisherrow 55 57 N 3 04 W
 Musselburgh 55 57 N 3 02 W
 Morrison's Haven 55 57 N 3 00 W
 Cockenzie 55 58 N 2 57 W
 Aberlady Bay 56 01 N 2 51 W
 North Berwick 56 04 N 1 43 W
 Dunbar 56 00 N 2 31 W
 St. Abb's Head 55 55 N 2 08 W
 Eyemouth 55 52 N 2 05 W

ENGLAND

River Tweed
 Berwick-upon-Tweed 55 46 N 2 00 W
 Y G B A

Holy Island 55 40 N 1 48 W
 Farne Islands
 Longstone Light 55 39 N 1 36 W
 North Sunderland (Seahouses)
 55 35 N 1 39 W
 Craster 55 28 N 1 35 W
 Boulmer 55 25 N 1 35 W
 Alnmouth 55 23 N 1 37 W
 Warkworth (Amble) 55 20 N 1 34 W
 Coquet Island 55 20 N 1 32 W
 Blyth 55 07 N 1 29 W
 Y G C R B T A

Seaton Sluice 55 05 N 1 28 W
 Cullercoats 55 02 N 1 26 W
 River Tyne
 Tyne
 P Q Y G C R B D T A

Tynemouth 55 01 N 1 25 W
 North Shields 55 01 N 1 26 W
 Wallsend 54 59 N 1 30 W
 Newcastle 54 58 N 1 35 W
 Dunston 54 57 N 1 38 W
 Gateshead 54 58 N 1 36 W
 Hebburn 54 59 N 1 31 W
 Jarrow 54 59 N 1 28 W
 Tyne Dock 54 59 N 1 27 W
 South Shields 55 00 N 1 26 W
 River Wear
 Sunderland 54 55 N 1 22 W
 P Q Y G C B D T A

Seaham 54 50 N 1 19 W
 Y G C B T A

Hartlepool 54 42 N 1 12 W
 Y G R B T A

West Hartlepool 54 41 N 1 12 W
 River Tees
 Tees
 P Q Y G C R B D T A

Seal Sands 54 37 N 1 10 W
 North Tees 54 36 N 1 10 W
 Billingham 54 35 N 1 15 W
 Middlesbrough 54 35 N 1 13 W
 South Bank 54 35 N 1 11 W
 Teesport 54 36 N 1 09 W
 Redcar 54 37 N 1 04 W
 Saltburn-by-the-Sea 54 35 N 0 58 W
 Skinningrove 54 34 N 0 54 W
 Staithes 54 33 N 0 48 W
 Whitby 54 29 N 0 37 W
 Y G C B A

Scarborough 54 17 N 0 23 W
 G B T

Filey 54 13 N 0 16 W
 Flamborough Head 54 07 N 0 04 W
 Bridlington 54 05 N 0 11 W
 Spurn Head 53 35 N 0 07 E
 River Humber
 Salt End 53 44 N 0 14 W
 P Q

15A

15B

15C

15D

ENGLAND *continued*

Hull (Kingston upon Hull)
53 45 N 0 18 W
Q Y G C R B D T A

Hessle 53 43 N 0 26 W
P Y G

Brough 53 43 N 0 35 W
River Ouse
Goole 53 42 N 0 52 W
Y G C R B T A

Hook 53 43 N 0 51 W
Howdendyke 53 45 N 0 52 W
Y G B A

Drax 53 44 N 0 59 W
Selby 53 47 N 1 04 W
G T 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
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 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

16A

16B

16C

16D

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
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
Pinmill 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 L B T 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

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

FAROEES (FAEROE) (Danish)

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

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

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

Vagar
Sandvagur 62 03 N 7 08 W
Midvagur 62 02 N 7 11 W
Sorvagur 62 05 N 7 25 W

Streymoy
Torshavn (Thorshavn) 62 00 N 6 45 W
P Y G C R L 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
Hvalvik 62 11 N 7 00 W
Hosvik 62 09 N 6 56 W

17A

17B

17C

p.20/21

17D

Eysturoy
Skalafjordur
Toftir 62 05 N 6 43 W
Runavik 62 06 N 6 43 W
G C B D L A

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
Klaksvik 62 14 N 6 35 W
G C L 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 A

Faskrudhsfjordur
P G B A

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

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

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 A

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 B A

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 L 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
Olafsfordur 66 05 N 18 38 W
Siglufjordur 66 12 N 18 52 W
G B A

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

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

18A

18B

18C

18D

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

GEOGRAPHIC INDEX

75

Hesteyri 66 21 N 22 51 W
 Isafjordur 66 05 N 23 06 W
 [P] [G] [C] [B] [T] [A] [] [] [] [] [] [] [] []
 Bolungavik 66 10 N 23 14 W
 [G] [A] [] [] [] [] [] [] [] [] [] [] [] [] [] []
 Sugandafjordur
 Sudhureyri 66 08 N 23 32 W
 Flateyri 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
 Flatey 65 22 N 22 55 W
 Reykholar 65 27 N 22 13 W
 Krokstjardarnes 65 27 N 21 56 W
 Stykkisholmur 65 04 N 22 41 W
 Grundarfjordur 64 55 N 23 13 W
 [G] [B] [] [] [] [] [] [] [] [] [] [] [] [] [] []
 Olafsvik 64 54 N 23 43 W
 Hellissandur 64 54 N 23 54 W
 Rifshofn 64 53 N 23 40 W
 Sandur 64 55 N 23 49 W
 Borgarnes 64 32 N 21 55 W
 Akranes 64 19 N 22 05 W
 [Y] [G] [B] [T] [A] [] [] [] [] [] [] [] [] [] [] []
 Hvalfjordur
 Grundartangi 64 21 N 21 47 W
 [Y] [B] [T] [] [] [] [] [] [] [] [] [] [] [] [] []
 Hvaleyrri 64 20 N 21 44 W
 Hrafneyri 64 23 N 21 32 W
 Helgukvík 64 23 N 21 28 W
 Midsandur 64 24 N 21 28 W
 Gufunes 64 09 N 21 49 W
 Reykjavík 64 08 N 21 54 W
 [P] [Q] [Y] [G] [C] [B] [T] [A] [] [] [] [] [] [] [] []
 Kopavogur 64 06 N 21 53 W
 Gardabaer 64 04 N 21 56 W
 Skerfjörður
 Korsnes 64 07 N 21 54 W
 Hafnarfjordur 64 04 N 21 55 W
 [P] [Y] [G] [B] [T] [A] [] [] [] [] [] [] [] [] [] [] []
 Straumsvík 64 03 N 22 03 W
 [Q] [Y] [G] [B] [A] [] [] [] [] [] [] [] [] [] [] [] []
 Keflavík 64 00 N 22 33 W
 [G] [T] [L] [B] [A] [] [] [] [] [] [] [] [] [] [] [] []
 Sandgerði 64 03 N 22 43 W
 Reykjanes 63 48 N 22 42 W
 Grindavík 63 50 N 22 26 W
 [G] [A] [] [] [] [] [] [] [] [] [] [] [] [] [] []
 Thoralakshofn 63 51 N 21 20 W
 [G] [A] [] [] [] [] [] [] [] [] [] [] [] [] [] []
 Eyraðaki 63 52 N 21 09 W
 Stokkseyri 63 50 N 21 05 W
 Vestmannaeyjar 63 26 N 20 16 W
 [P] [Y] [G] [C] [B] [T] [A] [] [] [] [] [] [] [] [] [] []
 Dyrhólaey 63 24 N 19 08 W

NORWAY
 Varangerfjord
 Vestre Jakobselv 70 06 N 29 20 E
 Kirkenes 69 44 N 30 03 E
 [P] [Y] [G] [R] [B] [D] [T] [] [] [] [] [] [] [] [] [] []
 Vadsø 70 04 N 29 44 E
 [P] [G] [B] [T] [A] [] [] [] [] [] [] [] [] [] [] [] []
 Vardø 70 23 N 31 06 E
 [G] [B] [T] [A] [] [] [] [] [] [] [] [] [] [] [] [] []
 Batsfjord 70 38 N 29 44 E
 Berlevaag 70 51 N 29 06 E
 Mehamn 71 02 N 27 51 E
 Nordkyn 71 08 N 27 39 E
 Kjøllefjord 70 57 N 27 21 E
 Porsangerfjord
 Leirpollen 70 23 N 25 31 E
 Hamnbukt 70 06 N 25 07 E
 Billefjord 70 22 N 25 06 E
 Kistrand 70 26 N 25 12 E

19A

19B

19C

19D

Honningsvåg 70 59 N 25 59 E
 North Cape (Nord Kapp) 71 10 N 25 46 E
 Hjelmsøy 71 05 N 24 40 E
 Hammerfest 70 40 N 23 40 E
 [P] [Y] [G] [C] [R] [B] [T] [A] [] [] [] [] [] [] [] []
 Repparfjord 70 26 N 24 15 E
 Sorøy
 Finnfjord 70 49 N 23 05 E
 Kobbavag 70 30 N 22 08 E
 Stjernøy
 Lillebuk 70 20 N 22 30 E
 Komagfjord 70 16 N 23 23 E
 Altafjord
 Elvebakken 69 55 N 23 25 E
 Bukta 69 59 N 23 18 E
 Alta 69 58 N 23 15 E
 Bossekop 69 59 N 23 15 E
 Oksfjord 70 14 N 22 18 E
 Bergsfjord 70 15 N 21 48 E
 Skjervøy 70 02 N 21 00 E
 Karlsøy 70 00 N 19 54 E
 Vanna Island
 Buroysund 70 13 N 19 44 E
 Lyngenfjord
 Kaafjord 69 35 N 20 31 E
 Kvesmenes 69 17 N 19 58 E
 Lyngseidet 69 34 N 20 13 E
 Jovik 69 36 N 19 50 E
 Tromsø 69 39 N 18 58 E
 [P] [Y] [G] [C] [R] [B] [T] [A] [] [] [] [] [] [] [] []
 Ramfjordnes 69 33 N 19 01 E
 Balsfjord 69 19 N 19 21 E
 Skaland 69 27 N 17 18 E
 Gryllefjord 69 22 N 17 04 E
 Gibostad 69 21 N 18 05 E
 Finnsnes 69 14 N 17 58 E
 Oyjordneset 69 10 N 18 05 E
 Sorreisa 69 08 N 18 08 E
 Salangen 68 54 N 17 43 E
 Sjøvegan 68 53 N 17 50 E
 Tovik 68 40 N 16 54 E
 Vesteraalen
 Andenes 69 19 N 16 08 E
 Myre 69 05 N 15 57 E
 Sortland 68 42 N 15 26 E
 Stokmarknes 68 34 N 14 55 E
 Melbu 68 30 N 14 48 E
 Dyroy 68 49 N 14 49 E
 Lofoten Islands
 Bergneset 68 48 N 16 00 E
 Borkenes 68 46 N 16 11 E
 Harstad 68 48 N 16 33 E
 [P] [Y] [G] [C] [R] [B] [D] [A] [] [] [] [] [] [] [] []
 Lodingen 68 25 N 16 00 E
 [G] [C] [R] [B] [A] [] [] [] [] [] [] [] [] [] [] []
 Trollfjord 68 22 N 14 59 E
 Digermulen 68 18 N 15 01 E
 Brettesnes 68 14 N 14 52 E
 Svolvaer 68 14 N 14 34 E
 [P] [Y] [G] [R] [B] [T] [A] [] [] [] [] [] [] [] []
 Kabelvaag 68 13 N 14 30 E
 Henningsvåg 68 09 N 14 13 E
 Stamsund 68 07 N 13 51 E
 Gravdal 68 07 N 13 33 E
 Ballstad 68 04 N 13 32 E
 Nusfjord 68 02 N 13 21 E
 Rost 67 30 N 12 00 E
 Skomvaer 67 25 N 11 53 E
 Ramsund 69 29 N 16 31 E
 Ofotfjord
 Bogen 68 31 N 17 00 E
 Narvik 68 26 N 17 26 E
 [Y] [G] [C] [R] [B] [T] [A] [] [] [] [] [] [] [] []
 Heklestrand 68 24 N 16 50 E
 Ballangen 68 22 N 16 56 E
 Tysfjord
 Kjøpsvik 68 05 N 16 23 E
 Drag 68 03 N 16 05 E
 Korsnes 68 15 N 16 04 E
 Tranøy 68 11 N 15 40 E
 Innhavet 67 58 N 15 56 E
 Sorfolla
 Djupvik 67 22 N 15 34 E
 Hammerfall 67 25 N 15 32 E

20A

20B

20C

20D

Saltfjord
 Bodo 67 17 N 14 23 E
 [P] [G] [C] [R] [B] [T] [A] [] [] [] [] [] [] [] []
 Kvalvaag 67 18 N 14 40 E
 Fauske 67 15 N 15 23 E
 Finneid 67 15 N 15 24 E
 Saltdal 67 05 N 15 30 E
 Rognan 67 05 N 15 22 E
 Marnes 67 08 N 14 05 E
 Gildeskal 67 04 N 14 03 E
 Glomfjord 66 49 N 13 37 E
 [Q] [Y] [G] [B] [] [] [] [] [] [] [] [] [] [] [] []
 Meløyvaer 66 50 N 13 17 E
 Halsø 66 45 N 13 34 E
 Ranafjord
 Vikholmen 66 12 N 12 58 E
 Nesna 66 12 N 13 01 E
 Utskarpen 66 08 N 13 27 E
 Bosmo 66 20 N 14 07 E
 Gullsmedvik 66 20 N 14 09 E
 Mo i Rana 66 19 N 14 08 E
 [Y] [G] [C] [R] [B] [T] [A] [] [] [] [] [] [] [] []
 Andfiskaa 66 17 N 14 06 E
 Hemnesberget 66 13 N 13 36 E
 Fagervika 66 07 N 12 51 E
 Sandnessjøen 66 01 N 12 38 E
 Sovik 65 55 N 12 26 E
 Alstahaug 65 54 N 12 23 E
 Mosjøen 65 50 N 13 11 E
 [P] [Y] [G] [T] [A] [] [] [] [] [] [] [] [] [] [] [] []
 Hommelsto 65 32 N 12 20 E
 Bronnoysund 65 28 N 12 13 E
 Kolvereid 64 53 N 11 35 E
 Rorvik 64 52 N 11 16 E
 Ottersøy 64 51 N 11 17 E
 Kongsmoen 64 53 N 12 26 E
 Folla fjord
 Abelvaer 64 44 N 11 10 E
 Opplyggefjord 64 48 N 11 52 E
 Salsbruket 64 48 N 11 53 E
 Namsen fjord
 Vik 64 31 N 11 17 E
 Namsos 64 28 N 11 30 E
 [Y] [G] [B] [A] [] [] [] [] [] [] [] [] [] [] [] [] []
 Bangsund 64 24 N 11 23 E
 Statland 64 30 N 11 09 E
 Lauvsnes 64 30 N 10 54 E
 Haltenoy 64 10 N 9 25 E
 Stokksund 64 02 N 10 02 E
 Lysoysund 63 53 N 9 53 E
 Uthaug 63 44 N 9 36 E
 Bjugn 63 46 N 9 44 E
 Brekstad 63 41 N 9 40 E
 Trondheimsfjord
 Ronningen 63 42 N 10 35 E
 Folla foss 63 59 N 11 06 E
 Malm 64 04 N 11 13 E
 [Y] [G] [] [] [] [] [] [] [] [] [] [] [] [] [] []
 Eggebogen 64 00 N 11 28 E
 Steinkjer 64 01 N 11 30 E
 [P] [Y] [G] [A] [] [] [] [] [] [] [] [] [] [] [] [] []
 Hylla 63 50 N 11 24 E
 Trones 63 49 N 11 26 E
 Verdalen 63 47 N 11 26 E
 Levanger 63 45 N 11 18 E
 Fiborgtangen 63 43 N 11 10 E
 Langstein 63 33 N 10 55 E
 Stjørdal 63 27 N 10 53 E
 Muruvik 63 26 N 10 51 E
 Hommelvik 63 25 N 10 48 E
 Malvik 63 25 N 10 38 E
 Trondheim 63 26 N 10 24 E
 [P] [Q] [Y] [G] [C] [R] [L] [B] [D] [T] [A] [] [] [] [] [] [] [] []
 Buvika 63 19 N 10 11 E
 Thamshavn 63 20 N 9 52 E
 Orkanger 63 19 N 9 51 E
 [Y] [G] [B] [A] [] [] [] [] [] [] [] [] [] [] [] [] []
 Agdenes 63 39 N 9 45 E
 Tjeldbergodden 63 25 N 8 42 E
 Hitra Island
 Hestvika 63 34 N 9 11 E
 Sandstad 63 31 N 9 04 E
 Forsnes 63 26 N 8 25 E

21A

21B

21C

21D

p.24/25

NORWAY *continued*

Hemnefjord
 Kyrksaetrora 63 17 N 9 05 E
 Holla 63 17 N 9 07 E
 Mjosund 63 14 N 8 30 E
 Glaerem 63 01 N 8 31 E
 Aarnes 62 58 N 8 30 E
 Kvisvik 63 05 N 7 57 E
 Sunndalsfjord
 Tingvoll 62 55 N 8 12 E
 Sunndalsora 62 41 N 8 36 E
 Q Y G B A
 Raudsand (Rausand) 62 50 N 8 06 E
 Kristiansund 63 07 N 7 44 E
 Y G C R B T A
 Elnesvagen 62 51 N 7 09 E
 Hustad 62 57 N 7 06 E
 Bud 62 54 N 6 54 E
 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 L B A
 Hjelset 62 46 N 7 30 E
 Romsdalsfjord
 Aandsnes 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
 Dryna 62 38 N 6 32 E
 Brattvag 62 36 N 6 27 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 L 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
 Tafford
 Fjora 62 18 N 7 21 E
 Sykkylven 62 23 N 6 35 E
 Ikornnes 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
 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

22A

22B

22C

22D

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
 Kaupanger 61 11 N 7 14 E
 Ofredal 61 12 N 7 31 E
 Skjolden 61 29 N 7 36 E
 Aardalstangen 61 14 N 7 42 E
 P Y G B A
 Laerdalsoyri 61 06 N 7 29 E
 Revsnes 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
 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
 Vettas 60 36 N 5 09 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
 Puddefjord
 Laksevaag 60 23 N 5 18 E
 Knarrevik 60 22 N 5 10 E
 Dolvik 60 19 N 5 15 E
 Hilleren 60 10 N 5 05 E
 Store Sotra
 Aagotnes 60 24 N 5 01 E
 Q Y G C R B A
 Telavag 60 15 N 5 00 E
 Goltaosen 60 13 N 5 01 E
 Austevoll 60 06 N 5 15 E
 Fusa 60 12 N 5 37 E
 Bjornefjord
 Saevareid 60 11 N 5 46 E
 Selbjornfjord
 Selbjornen
 Bekkjarvik 60 00 N 5 13 E
 Salthella 60 00 N 5 07 E
 Nordveitgrend 60 06 N 5 44 E
 Stordoy
 Stord 59 47 N 5 31 E
 Leirvik 59 46 N 5 31 E
 Y G C R B T
 Sagvaag 59 46 N 5 23 E
 Fitjar 59 55 N 05 17 E
 Hardangerfjord
 Mundheim 60 10 N 5 55 E
 Norheimsund 60 22 N 6 09 E
 Oystese 60 23 N 6 13 E
 Aalvik 60 26 N 6 24 E
 Eide 60 31 N 6 43 E
 Ulvik 60 34 N 6 55 E
 Eidfjord 60 28 N 7 04 E
 Tyssedal 60 07 N 6 34 E

23A

23B

23C

23D

Odda 60 04 N 6 33 E
 Q Y G C R B
 Eitrheim 60 06 N 6 32 E
 Utne 60 25 N 6 38 E
 Lofallstrand 60 01 N 6 00 E
 Rosendal 59 59 N 6 01 E
 Uskedal 59 56 N 5 53 E
 Heroyssund 59 55 N 5 47 E
 Husnes 59 52 N 5 46 E
 Y G A
 Aakrafjord
 Aakra 59 47 N 6 06 E
 Skaanevik 59 45 N 5 56 E
 Halsnoy
 Hoylandsbyggi 59 47 N 5 48 E
 Fjelberg 59 44 N 5 43 E
 Etne 59 40 N 5 57 E
 Olen 59 36 N 5 50 E
 Valevaag 59 42 N 5 30 E
 Bomlo
 Mosterhamn 59 42 N 5 24 E
 Espevaer 59 35 N 5 09 E
 Molstrevag 59 31 N 5 16 E
 Haugesund 59 25 N 5 16 E
 P Y G C R L B D T A
 Storasund 59 23 N 5 16 E
 Borgoen 59 21 N 5 40 E
 Utsira 59 18 N 4 53 E
 Karmoy
 Vigsnes 59 24 N 5 08 E
 Aakrehamn 59 15 N 5 10 E
 Avaldsnes 59 21 N 5 17 E
 Haavik 59 19 N 5 19 E
 Y G C R B T A
 Kopervik 59 17 N 5 18 E
 P G T A
 Skudeneshavn 59 08 N 5 16 E
 G R B D T A
 Avaldsnes 59 21 N 5 16 E
 Foresvik 59 13 N 5 26 E
 Kaarsto 59 16 N 5 32 E
 P Q B T A
 Espevik 59 20 N 5 41 E
 Y G
 Vats 59 29 N 5 45 E
 Sauda 59 39 N 6 21 E
 Y G C R
 Vanvik 59 33 N 6 23 E
 Sand 59 29 N 6 15 E
 Jelsa 59 20 N 6 02 E
 Hjelmeland 59 13 N 6 10 E
 Tau 59 04 N 5 56 E
 Jorpeland 59 01 N 6 03 E
 Dirdal 58 49 N 6 11 E
 Oltesvik 58 51 N 6 06 E
 Sandnes 58 51 N 5 45 E
 Y G R B A
 Forus 58 53 N 5 43 E
 Fiskeneset 58 53 N 5 45 E
 Stavanger 58 58 N 5 44 E
 P Y G C R L B T A
 Sola 58 55 N 5 34 E
 P Y G C R A
 Hvidingso 59 04 N 5 24 E
 Tananger 58 56 N 5 35 E
 Obrestad 58 39 N 5 34 E
 Egersund 58 27 N 6 00 E
 Y G C R B T A
 Rekefjord 58 20 N 6 16 E
 Jossingfjord 58 19 N 6 20 E
 Flekkefjord 58 18 N 6 40 E
 G R D A
 Kvinesdal 58 18 N 7 00 E
 Leirvik 58 16 N 6 53 E
 Feda 58 16 N 6 49 E
 Abelsnes 58 14 N 6 39 E
 Eidsfjord
 Pollen 58 10 N 6 43 E

24A

24B

24C

24D

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

GEOGRAPHIC INDEX

77

Farsund 58 06 N 6 49 E
 Y G B T A

Rosfjord 58 03 N 6 59 E
 Lyngdal 58 08 N 7 02 E
 Helvig 58 06 N 6 45 E
 Gronsfjord 58 01 N 7 02 E
 Agnefest 58 07 N 7 03 E
 Lindesnes 57 59 N 7 03 E
 Lindesneshalvoya 58 03 N 7 09 E
 Hattholmen 58 00 N 7 27 E
 Mandal 58 02 N 7 28 E
 G C R L B T A

Kleven 58 01 N 7 29 E
 Ryvingen 57 58 N 7 30 E
 Sogne 58 05 N 7 47 E
 Ny Hellesund 58 03 N 7 51 E
 Flekkeroy 58 06 N 7 59 E
 Fiskaa 58 07 N 7 58 E
 Kristiansand 58 09 N 8 00 E
 Y G C R B D T A

Aalefjaer 58 14 N 8 02 E
 Hoivaag 58 10 N 8 15 E
 Fossbekk 58 14 N 8 23 E
 Lillesand 58 15 N 8 23 E
 Y G B A

Kalvild 58 16 N 8 26 E
 Grimstad 58 20 N 8 36 E
 G C R A

Fevik 58 22 N 8 41 E
 Arendal 58 28 N 8 46 E
 Y G R B T A

Tromoy 58 28 N 8 54 E
 Eydehamn 58 30 N 8 53 E
 Kilsund 58 33 N 8 59 E
 Tvedestrand 58 38 N 8 56 E
 Sandvik 58 34 N 9 01 E
 Dybvaag 58 37 N 9 04 E
 Lyngor 58 38 N 9 08 E
 Gjevinstangholmen 58 39 N 9 08 E
 Risor 58 43 N 9 14 E
 G

Krana 58 44 N 9 14 E
 Sondeled 58 43 N 9 12 E
 Portor 58 48 N 9 26 E
 Rorvik 58 52 N 9 23 E
 Kragero 58 52 N 9 25 E
 Y G B T

Fossing 58 56 N 9 29 E
 Asvall 59 01 N 9 36 E
 Langesundsfjord
 Langesund 59 00 N 9 45 E
 Brevikfjord
 Stathelle 59 02 N 9 42 E
 Herre 59 06 N 9 32 E
 Frierfjord
 Bamble 59 01 N 9 40 E
 G C A

Rafnes 59 06 N 9 36 E
 River Skien
 Heroya 59 06 N 9 38 E
 Porsgrunn 59 08 N 9 39 E
 P Q Y G R B D A

Borgestad 59 09 N 9 39 E
 Menstad 59 10 N 9 39 E
 Nenseth 59 10 N 9 38 E
 Waterloo 59 10 N 9 37 E
 Bole 59 11 N 9 38 E
 Skien 59 12 N 9 37 E
 G C R A

Brevik 59 03 N 9 43 E
 Trosvik 59 03 N 9 42 E
 Dalen 59 04 N 9 42 E
 Nystrand 59 06 N 9 43 E
 Langangen 59 05 N 9 48 E
 Larvik 59 03 N 10 02 E
 P Y G C R B A

25A

25B

25C

25D

Tonsbergfjord
 Tjome 59 06 N 10 23 E
 Vrengen 59 10 N 10 24 E
 Melsomvik 59 13 N 10 21 E
 Tonsberg 59 16 N 10 25 E
 Y G C R B T A

Husoy 59 14 N 10 28 E
 Valloy 59 16 N 10 30 E
 Slagen 59 19 N 10 32 E
 P Q B T A

Horten 59 25 N 10 30 E
 G C R B D A

Langoya 59 30 N 10 22 E
 Holmestrand 59 32 N 10 16 E
 G R B T A

Sande 59 35 N 10 15 E
 Dramsfjord
 Svelvik 59 37 N 10 25 E
 G B A

Drammen 59 44 N 10 14 E
 P Q Y G C R B D T A

Gilhus 59 45 N 10 16 E
 Gullaug 59 44 N 10 17 E
 Hurumlandet 59 37 N 10 27 E
 Sagene 59 32 N 10 32 E
 Tofte 59 33 N 10 35 E
 Filtvet 59 34 N 10 37 E
 Halvorshavn 59 35 N 10 37 E
 Verpen 59 40 N 10 35 E
 Engene 59 41 N 10 33 E
 Saetrepollen 59 41 N 10 32 E
 Naersnes 59 46 N 10 31 E
 Slemmestad 59 47 N 10 30 E
 Leangen 59 50 N 10 29 E
 Sandvika 59 53 N 10 32 E
 Lysaker 59 55 N 10 38 E
 Oslo 59 54 N 10 43 E
 P Y G C R L B T A

Steilene 59 49 N 10 37 E
 Granerudstoa 59 47 N 10 36 E
 Fagerstrand 59 44 N 10 36 E
 P T A

Digerudgrunnen 59 43 N 10 35 E
 Drobak 59 39 N 10 38 E
 Son (Soon) 59 32 N 10 42 E
 Kambo 59 29 N 10 42 E
 Moss 59 26 N 10 40 E
 P Y G C R T A

Mellos 59 25 N 10 40 E
 Larkollen 59 19 N 10 41 E
 Glomma River
 Borg Harbour 59 12 N 10 57 E
 P Q Y G C R B T

Fredrikstad 59 12 N 10 58 E
 Greaker 59 16 N 11 02 E
 Sannesund 59 16 N 11 06 E
 Sarpsborg 59 16 N 11 06 E
 Selbak 59 13 N 11 00 E
 Bolingshavn 59 03 N 11 01 E
 Herfol 59 00 N 11 03 E
 Torskilen 59 10 N 11 05 E
 Iddefjord
 Slottet 59 07 N 11 23 E
 Halden 59 07 N 11 22 E
 Y G C B T

Holm 59 06 N 11 23 E
 Hov 59 05 N 11 24 E
 Torp 59 04 N 11 25 E
 Ystehedkilen 59 04 N 11 26 E
 Fagerholt 59 03 N 11 26 E
 Ostdalen 59 02 N 11 26 E
 Liholt 59 02 N 11 27 E
 Aarebakken 59 01 N 11 27 E

SWEDEN

Krokstrand 59 00 N 11 27 E
 Dyrkilen 59 00 N 11 14 E
 Stromstad 58 56 N 11 10 E
 Grebbestad 58 41 N 11 15 E
 Fjallbacka 58 36 N 11 17 E
 Hamburgsund 58 34 N 11 15 E

26A

26B

26C

26D

Heestrand 58 31 N 11 16 E
 Bovallstrand 58 29 N 11 20 E
 Ulebergshamn 58 28 N 11 18 E
 Hunnebostrand 58 26 N 11 18 E
 Ramsvik 58 26 N 11 16 E
 Smogen 58 21 N 11 14 E
 Gravarne 58 22 N 11 15 E
 Kungshamn 58 22 N 11 14 E
 Rorvik 58 22 N 11 21 E
 Stensjo 58 24 N 11 24 E
 Fagelvik 58 22 N 11 23 E
 Ryxo (Rixo) 58 22 N 11 26 E
 Brofjorden 58 20 N 11 23 E
 P Q B T

Lysekil 58 16 N 11 26 E
 Y G C B T A

Munkedalhamn 58 26 N 11 40 E
 Saltkallen 58 27 N 11 41 E
 Skredsvik 58 23 N 11 39 E
 Fiskebackskil 58 15 N 11 28 E
 Mollosund 58 04 N 11 29 E
 Uddevalla 58 21 N 11 55 E
 P Y G C R B T A

Henan 58 14 N 11 40 E
 Stenungsund 58 05 N 11 49 E
 P Q Y B A

Tjorn Island
 Wallhamn 58 00 N 11 42 E
 Y G C R B T A

Ronnang 58 05 N 11 40 E
 Mossholmen 57 57 N 11 34 E
 Skarhamn 57 59 N 11 33 E
 Marstrand 57 53 N 11 35 E
 Kunggalv 57 52 N 12 00 E
 Vinga 57 38 N 11 37 E
 Rivofojord 57 40 N 11 48 E
 Hjartholmen 57 41 N 11 48 E
 Gothenburg (Goteborg) 57 42 N 11 57 E
 P Q Y G C R L B D T A

Ockero 57 43 N 11 38 E
 Gota Alv
 Agnesberg 57 47 N 12 00 E
 Surte 57 50 N 12 01 E
 Bohus 57 51 N 12 02 E
 Nol 57 56 N 12 08 E
 Lodose 58 02 N 12 09 E
 Vasterlanda 58 06 N 12 07 E
 Gota 58 06 N 12 09 E
 Trollhatte Canal
 Trollhattan 58 17 N 12 17 E
 Stallbacka 58 18 N 12 18 E
 Vargon 58 21 N 12 23 E
 Lake Vanern
 Vanersborg 58 23 N 12 20 E
 Y G B A

Kopmannebro 58 46 N 12 31 E
 Amal 59 03 N 12 43 E
 Spesshult 59 04 N 12 55 E
 Krokstad 59 06 N 12 55 E
 Saffle 59 08 N 12 56 E
 Arvika 59 40 N 12 35 E
 Kyrkebyen 59 16 N 13 04 E
 Slottsbron 59 20 N 13 06 E
 Gruvon 59 20 N 13 07 E
 Norsbron 59 25 N 13 14 E
 Edsvalla 59 26 N 13 14 E
 Heglunda 59 25 N 13 15 E
 Aelvenaes 59 22 N 13 11 E
 Skoghall 59 19 N 13 27 E
 Karlstad 59 23 N 13 31 E
 P Y G C R B T A

Skattkarr 59 25 N 13 42 E
 Kristinehamn 59 19 N 14 07 E
 P Q Y G B T A

Otterbacken 58 57 N 14 03 E
 P Y G B T A

Sjotorp 58 50 N 14 00 E
 Mariestad 58 43 N 13 50 E
 G B T

27A

27B

27C

27D

Hallekis 58 40 N 13 25 E
 Honsater 58 38 N 13 27 E

SWEDEN *continued*

Lidköping 58 30 N 13 10 E
 G B T A
 Gota Canal
 Lake Vattern
 Jonköping 57 46 N 14 10 E
 Fiskeback 57 52 N 14 06 E
 Motala 58 32 N 15 04 E
 Askersund 58 52 N 14 55 E
 Olshammar 58 45 N 14 50 E
 Hjo 58 17 N 14 07 E
 Saro 57 30 N 11 56 E
 Onsala 57 25 N 12 00 E
 Kungsbacka 57 29 N 12 05 E
 Varberg 57 06 N 12 15 E
 P Y G C R B T A
 Traslovsö 57 03 N 12 16 E
 Falkenberg 56 53 N 12 30 E
 Y G C R B D A
 Halmstad 56 40 N 12 51 E
 P Q Y G C R B T A
 Bastad 56 25 N 12 50 E
 Torekov 56 25 N 12 37 E
 Angelholm 56 15 N 12 52 E
 Jonstorp 56 14 N 12 40 E
 Arildsläge 56 16 N 12 35 E
 Molle 56 17 N 12 30 E
 Hoganas 56 12 N 12 33 E
 P Y G A
 Helsingborg 56 03 N 12 41 E
 P Q Y G C R L B D T A
 Kopparverkshamn 56 01 N 12 43 E
 Raa 55 59 N 12 45 E
 Ven Island
 Backviken 55 54 N 12 43 E
 Borstahusen 55 54 N 12 48 E
 Landskrona 55 52 N 12 50 E
 Q Y G B D T A
 Barsebackshamn 55 45 N 12 54 E
 Lomma 55 41 N 13 04 E
 Malmö 55 37 N 13 00 E
 P Q Y G C R B D T A
 Limhamn 55 35 N 12 56 E
 Klagshamn 55 31 N 12 53 E
 Falsterbo 55 25 N 12 50 E
 Trelleborg 55 22 N 13 09 E
 P G R B T A
 Smygehuk 55 20 N 13 21 E
 Ystad 55 26 N 13 50 E
 Q Y G R B T A
 Kaaseberga 55 23 N 14 04 E
 Sandhamn 55 23 N 14 12 E
 Skillinge 55 28 N 14 17 E
 Brantevik 55 31 N 14 21 E
 Simrishamn 55 33 N 14 22 E
 Baskemolla 55 36 N 14 19 E
 Kivik 55 41 N 14 14 E
 Åhus 55 56 N 14 19 E
 Y G C R B T A
 Solvesborg 56 03 N 14 35 E
 Q Y G C R B T A
 Hallevik 56 01 N 14 43 E
 Pukavik 56 09 N 14 41 E
 Elleholm 56 10 N 14 44 E
 Karlshall 56 09 N 14 40 E
 Karlshamn 56 10 N 14 52 E
 P Q Y G C R B T A
 Tärnö 56 07 N 14 58 E
 Järnavik 56 11 N 15 05 E
 Ronneby 56 10 N 15 18 E
 G B A
 Torö 56 09 N 15 24 E
 Karlskrona 56 10 N 15 36 E
 P G R B D T A
 Sturkö 56 05 N 15 42 E
 Torhamn 56 06 N 15 49 E

28A

Bergkvara 56 23 N 16 05 E
 Y G B T A
 Kalmar 56 40 N 16 22 E
 P Q Y G C R L B T A
 Pataholm 56 55 N 16 26 E
 Timmernabben (Tillingenabben)
 56 58 N 16 26 E
 Monsteraas 57 02 N 16 28 E
 Paaskallavik 57 10 N 16 28 E
 Vanevik 57 12 N 16 27 E
 Oskarshamn 57 16 N 16 27 E
 P Y G C R B D T A
 Virbodraget 57 19 N 16 34 E
 Figeholm 57 22 N 16 34 E
 Simpevarp 57 25 N 16 40 E
 Öland Island
 Sandviken 57 04 N 16 52 E
 Borgholm 56 53 N 16 39 E
 Farjestaden 56 39 N 16 28 E
 Morbylånga 56 32 N 16 22 E
 Degerhamn 56 21 N 16 25 E
 P Y B A
 Grönhoget 56 16 N 16 24 E
 Nasby 56 35 N 16 41 E
 Boda 57 14 N 17 05 E
 Grankullaviken 57 21 N 17 06 E
 Gotland Island
 Visby 57 39 N 18 17 E
 P Y G R L B A
 Klintehamn 57 23 N 18 12 E
 Y G A
 Burgsvik 57 02 N 18 16 E
 Ronehamn 57 10 N 18 32 E
 Ljugarn 57 20 N 18 43 E
 Slite 57 42 N 18 49 E
 Y G R B A
 Rutehamn 57 47 N 18 57 E
 St. Olofsholm 57 43 N 18 55 E
 Smöjen 57 44 N 18 57 E
 Kullej 57 45 N 18 57 E
 Furillen 57 46 N 19 00 E
 Bungenas 57 49 N 19 05 E
 Farosund 57 52 N 19 04 E
 Straa 57 54 N 19 02 E
 År 57 55 N 18 57 E
 Blåse 57 55 N 18 50 E
 Sturö 57 50 N 18 48 E
 Y G A
 Kappelshamn 57 51 N 18 47 E
 Blankaholm 57 35 N 16 32 E
 Gunnebo 57 43 N 16 33 E
 Verkeback 57 44 N 16 32 E
 Vestervik (Vastervik) 57 45 N 16 39 E
 G R
 Almvik 57 50 N 16 28 E
 Gamleby 57 54 N 16 25 E
 Kallvik 57 53 N 16 43 E
 Helgenas 58 00 N 16 30 E
 Valdemarsvik 58 12 N 16 36 E
 Orrfjärden 58 16 N 16 42 E
 Sankt Anna 58 20 N 16 42 E
 Gota Canal
 Söderköping 58 29 N 16 20 E
 Mem 58 29 N 16 25 E
 G D
 Arkösund 58 29 N 16 57 E
 Braviken
 Norrköping 58 36 N 16 12 E
 P Y G C R B A
 Djuron 58 38 N 16 20 E
 Sandviken 58 40 N 16 24 E
 Navekvarn 58 38 N 16 48 E
 Marsviken 58 40 N 16 57 E
 Oxelosund 58 40 N 17 07 E
 P Q Y G C R B T A
 Nyköping 58 45 N 17 01 E
 G R B T
 Studsvik 58 45 N 17 17 E

28B

28C

28D

29A

Södertälje 59 11 N 17 39 E
 P Q Y G C R A
 Igelstaviken 59 12 N 17 38 E
 Lake Malaren
 Strängnäs 59 23 N 17 02 E
 Stallarholmen 59 20 N 17 15 E
 Torshälla 59 26 N 16 29 E
 Eskilstuna 58 22 N 16 01 E
 Arboga 59 26 N 15 51 E
 Kungsör 59 26 N 16 06 E
 Örebro 59 17 N 15 11 E
 Köping 59 31 N 16 00 E
 P Q Y G C B T A
 Västeraas (Vasteras) 59 36 N 16 33 E
 P Y G C B T A
 Enköping 59 28 N 17 05 E
 Kalmarsund 59 32 N 17 31 E
 Balsta 59 33 N 17 33 E
 Uppsala 59 52 N 17 39 E
 Sigtuna 59 37 N 17 44 E
 Kaggshamn 59 06 N 17 47 E
 Öaxen 58 58 N 17 43 E
 Stora Vika 58 56 N 17 47 E
 Nynashamn 58 54 N 17 57 E
 G R B A
 Dalarö 59 08 N 18 25 E
 Gustavsberg 59 20 N 18 23 E
 Tollare 59 18 N 18 14 E
 Gaddviken 59 19 N 18 08 E
 Stockholm 59 19 N 18 03 E
 P Q Y G C R B T A
 Maryvik 59 19 N 18 02 E
 Arstadalshamn 59 18 N 18 02 E
 Liljeholmsviken 59 19 N 18 00 E
 Fittja 59 14 N 17 51 E
 Hasselby 59 22 N 17 49 E
 Loudden 59 20 N 18 08 E
 Stocksund 59 23 N 18 03 E
 Värtahamnen 59 21 N 18 11 E
 Vaxholm 59 23 N 18 20 E
 Ytterby 59 26 N 18 21 E
 Flaxevik 59 28 N 18 24 E
 Idsättravik 59 29 N 18 24 E
 Hogmarso 59 39 N 18 51 E
 Furusund 59 39 N 18 54 E
 Kapellskar 59 43 N 19 00 E
 G R B
 Norrtälje 59 45 N 18 42 E
 Arholma 59 51 N 19 06 E
 Grisslehamn 60 06 N 18 49 E
 Herräng 60 08 N 18 39 E
 Hallstavik 60 03 N 18 36 E
 P G R B T A
 Hargshamn 60 10 N 18 29 E
 Y G R B T A
 Öregrund 60 20 N 18 27 E
 Forsmark 60 25 N 18 12 E
 Karlholm 60 31 N 17 38 E
 Skutskar 60 39 N 17 24 E
 G B
 Karskar 60 41 N 17 17 E
 Granudden 60 41 N 17 15 E
 Gefle (Gävle) 60 40 N 17 10 E
 P Y G C R B T A
 Norrsundet 60 56 N 17 09 E
 Y G B T
 Axmar 61 01 N 17 10 E
 Axmarbruk 61 03 N 17 10 E
 Vallvik 61 07 N 17 11 E
 Stor Orrskar 61 12 N 17 10 E
 Ljusne 61 13 N 17 08 E
 Åla 61 13 N 17 10 E
 Kallskar 61 15 N 17 12 E
 Sandarne 61 16 N 17 11 E
 Asbacka 61 17 N 17 09 E
 Grundvik 61 18 N 17 08 E
 Stugsund 61 18 N 17 07 E
 Söderhamn 61 19 N 17 06 E
 P Q Y G B T
 Branthalls Redd 61 16 N 17 14 E
 Ågård 61 33 N 17 28 E

30A

30B

30C

30D

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

GEOGRAPHIC INDEX

79

Iggesund 61 39 N 17 06 E
 Q Y G R B T A
 Hudiksvall 61 43 N 17 07 E
 P Q Y G C R B T A
 Arnoviken 61 43 N 17 24 E
 Arno 61 42 N 17 24 E
 Stocka 61 54 N 17 20 E
 Gnarp 62 02 N 17 26 E
 Essvik 62 19 N 17 24 E
 Svartvik 62 19 N 17 22 E
 Stockvik 62 20 N 17 22 E
 Kubikenborg 62 23 N 17 20 E
 Rosenborg 62 24 N 17 21 E
 Sundsvall 62 25 N 17 20 E
 P Q Y G C R B T A
 Alno Island
 Ankarsvik 62 23 N 17 25 E
 Ortviken 62 24 N 17 22 E
 Tunadal 62 26 N 17 23 E
 Johannedal 62 26 N 17 24 E
 Sundsbruk 62 27 N 17 22 E
 Skonvik 62 28 N 17 20 E
 Ostrand 62 29 N 17 20 E
 Vivstavav 62 30 N 17 22 E
 Fagervik 62 30 N 17 24 E
 Soraker 62 30 N 17 30 E
 G
 Hernosand (Harnosand) 62 38 N 17 56 E
 P Y G R B D T A
 Utansjo 62 46 N 17 56 E
 Ramvik 62 49 N 17 52 E
 Gustafsvik 62 50 N 17 52 E
 Sprangsviken 62 51 N 17 53 E
 Stromnas 62 53 N 17 52 E
 Frano 62 55 N 17 51 E
 Bjorknas 62 55 N 17 50 E
 Kramfors 62 56 N 17 47 E
 Sandviken 62 58 N 17 47 E
 Dynas 62 58 N 17 45 E
 Vaja 62 59 N 17 43 E
 Bollsta 63 00 N 17 41 E
 Nas 63 00 N 17 42 E
 Nyland 63 00 N 17 46 E
 Marieberg 63 00 N 17 48 E
 Kojas 62 58 N 17 50 E
 Hallstans 62 55 N 17 54 E
 Norrland 62 55 N 17 55 E
 Lugnvik 62 55 N 17 56 E
 Svanon 62 54 N 17 53 E
 Sando 62 53 N 17 55 E
 Dal 62 49 N 17 56 E
 Noraström 62 51 N 18 02 E
 Bergkvistviken 62 49 N 18 06 E
 Berghamn 62 49 N 18 15 E
 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 (Notholmen) 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

31A

31B

31C

31D

p.26

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
 Furuoggrund 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
 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
 Haparanda 65 50 N 24 08 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 C 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
 Raahe 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

32A

32B

32C

32D

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 B T 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
 Nyhamn 62 10 N 21 20 E
 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
 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 L 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 L B D T A
 Nauvo 60 11 N 21 54 E
 Parainen (Pargas) 60 17 N 22 18 E
 Y B T 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
 Vastanfjard 60 03 N 22 39 E
 Teijo 60 15 N 22 57 E
 Vartsala 60 20 N 23 01 E
 Kokkila 60 20 N 22 52 E
 Stromma 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 B A

33A

33B

33C

33D

FINLAND *continued*

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 B T 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 ESveaborg 60 08 N 24 59 E
Vuosaari 60 13 N 25 11 ESipoo (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 T A

Porvoo 60 23 N 25 40 E
Isnas 60 24 N 26 00 EPernaja 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

Ronnskar 60 26 N 26 27 E
Ahvenkoski 60 28 N 26 28 ESvartholm 60 21 N 26 32 E
Keihassalmi 60 26 N 26 40 EMussalo 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 ELakulahti 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 ELakasaari 60 29 N 27 40 E
Kellosalmi 60 30 N 27 46 ETuuholma 60 30 N 27 45 E
Virolahti 60 33 N 27 45 ESaimaa 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 A

Imatra 61 10 N 28 50 E

Y G A

Kaukopaa 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

34A

Siilinjarvi 63 05 N 27 40 E

Y G A

Kuuslahti 63 06 N 27 45 E

RUSSIA

Brunsnichoye 60 47 N 28 44 E
Vyborg 60 43 N 28 44 E

Y G C R B T

Vysotsk 60 38 N 28 34 E

Y B T

Primorsk 60 22 N 28 38 E

P B T

Kotlin Island

Kronshtadt 60 00 N 29 46 E

River Neva

St. Petersburg (Leningrad)

59 56 N 30 18 E

P Y G C R L B D T A

Otradnoye 59 46 N 30 48 E

Kirovsk 59 52 N 30 59 E

Shlisselburg (Petrokrepost)

59 56 N 31 08 E

Lake Ladoga

Priozersk 61 01 N 30 08 E

Pitkaranta 61 34 N 31 28 E

River Svir

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

Y G C

34B

Luga Bay

Ust-Luga 59 40 N 28 18 E

Y

34C

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

P Y G R B T

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 R B T A

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 L B T A

Peetri 59 27 N 24 44 E

Paljassaare (Kopli) 59 27 N 24 42 E

P Y G B T A

Meeruse 59 27 N 24 41 E

G

Bekker 59 27 N 24 40 E

Y G

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

35A

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

Saaremaa Harbour 58 32 N 22 14 E

Triigi 58 36 N 22 45 E

Orissaare 58 34 N 23 05 E

Roomassaare 58 13 N 22 31 E

P G 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 A

35B

p.20/21

LATVIA

Ainazi 57 52 N 24 22 E

Salacgriva 57 45 N 24 22 E

Y G T

Skulte 57 19 N 24 24 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

Engure 57 10 N 23 14 E

Mersrags 57 22 N 23 08 E

Y G T

Kaltene 57 27 N 22 53 E

Roja (Rojas Osta) 57 30 N 22 49 E

Gipka 57 34 N 22 40 E

Kolka 57 48 N 22 39 E

Lielirbe 57 37 N 22 05 E

Ventspils 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 L B D T A

LITHUANIA

Palanga 55 55 N 21 05 E

Klaipeda 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 A

35C

RUSSIA

River Nemunas

Sovetsk 55 02 N 21 50 E

Baltiysk 54 39 N 19 54 E

P Q

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 A

POLAND

Frombork 54 21 N 19 40 E

Elblag 54 10 N 19 24 E

36A

36B

36C

36D

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

GEOGRAPHIC INDEX

81

River Wisla
 Port Polnocny 54 24 N 18 43 E
 Nowy Port 54 24 N 18 40 E
 Tczew 54 05 N 18 46 E
 Martwa Wisla
 Gdansk 54 21 N 18 39 E
 P Q Y G C R B D T A

37A

p.24/25

Sopot 54 27 N 18 34 E
 Gdynia 54 32 N 18 34 E
 P Q Y G C R B D T A
 Wladyslawowo 54 48 N 18 25 E
 G T 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

Darlowo 54 26 N 16 23 E
 Y G B T A

Kolobrzeg 54 11 N 15 34 E
 Y G R B A

37B

Niechorze 54 06 N 15 04 E
 Kamien Pomorski 53 58 N 14 46 E
 Wolin 53 51 N 14 37 E
 Lubin 53 52 N 14 26 E
 Swinoujscie 53 55 N 14 15 E
 P Y G C R L B T A

River Oder
 Stepnica 53 39 N 14 38 E
 Police 53 33 N 14 36 E
 Q Y G B T A

Skolwin 53 32 N 14 37 E
 Glinki 53 30 N 14 36 E
 Krasnica 53 30 N 14 37 E
 Goclaw 53 29 N 14 36 E
 Zelechowa 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
 37C

GERMANY

Heringsdorf 53 58 N 14 10 E
 River Uecker
 Ueckermunde 53 44 N 14 03 E

River Peene
 Anklam 53 52 N 13 41 E
 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
 Vierow 54 06 N 13 34 E
 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

37D

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

Barhoft 54 26 N 13 02 E
 Barth 54 22 N 12 44 E
 Zingst 54 27 N 12 40 E
 Ribnitz 54 15 N 12 26 E

River Warnow
 Rostock 54 09 N 12 06 E
 P Q Y G C R B D T A

Warnemunde 54 11 N 12 05 E
 Wismar 53 54 N 11 28 E
 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
 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 A

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
 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 L B T A

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

Svaneke 55 08 N 15 09 E
 G

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 T A

Holtug 55 21 N 12 27 E
 Stroby 55 24 N 12 18 E

38A

p.65

38B

p.24/25

38C

38D

Koge 55 27 N 12 12 E
 P Q Y G C R T

39A

Mosedede 55 34 N 12 17 E
 Drogden Light 55 32 N 12 43 E
 Avedore 55 36 N 12 29 E
 Amager Island
 Dragor 55 35 N 12 41 E
 Kastrop 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 T 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
 Sejero 55 53 N 11 09 E
 Kalundborg 55 41 N 11 05 E
 P Y G R B T A

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

39B

39C

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
 Stignaesvaerkets Havn 55 13 N 11 15 E
 P Y B T

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

Masnedsund 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

39D

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

Stubbekobing 54 53 N 12 02 E
 G T

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

Naskov 54 50 N 11 08 E
 P Y G R D T

DENMARK *continued*

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 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

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

Avernakov 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

Hardeshoj 55 00 N 9 41 E

JUTLAND

Egersund 54 54 N 9 36 E

Graasten 54 55 N 9 37 E

G B T 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

40A

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

Endelave Island

Endelave By 55 45 N 10 16 E

Snaptun 55 49 N 10 02 E

Horsens 55 51 N 9 52 E

P Q Y G B T A

40B

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 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

40C

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

40D

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

41A

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

42A

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

41B

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

42B

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

Amrum Island 54 38 N 8 21 E

Pellworm Island 52 31 N 8 39 E

Holmer Siel 54 32 N 8 52 E

Husum 54 29 N 9 03 E

Y G D T

Tonning 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 B T A

Kiel Canal (Nord-Ostsee Kanal) (*see Col. 38A*)

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

Uttersen 53 40 N 9 39 E

River Schwinge

Stade 53 36 N 9 29 E

p.22/23

42C

p.65

42D

p.22/23

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

GEOGRAPHIC INDEX

83

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 E
 Usti nad Labem (Czech Republic) 50 40 N 14 02 E
 Lovosice (Czech Republic) 50 31 N 14 02 E
 Chvalatice 50 01 N 15 26 E (Czech Republic) 50 01 N 15 26 E
 Cuxhaven 53 52 N 8 42 E
 Y G C R L 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
 Wesermunde 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
 Blumenthal 53 11 N 8 34 E
 Vegesack 53 10 N 8 38 E
 Lemwerder 53 10 N 8 36 E
 Bardenfleth 53 09 N 8 33 E
 River Hunte
 Oldenburg 53 09 N 8 14 E
 P Y G B T A
 Oslebshausen 53 08 N 8 44 E
 Bremen 53 05 N 8 47 E
 P Q Y G C R B T A
 Hoya 52 48 N 9 08 E
 Leeseringen 52 35 N 9 08 E
 Minden 52 18 N 8 54 E
 Hohe Weg Light 53 43 N 8 15 E
 Jade Bay
 Varel 53 24 N 8 10 E
 Wilhelmshaven 53 31 N 8 09 E
 P Q Y G C R B D T A
 Horumersiel 53 40 N 8 01 E
 Helgoland 54 09 N 7 53 E
 East Frisian Islands
 Wangerooge 53 47 N 7 54 E
 Spiekeroog 53 46 N 7 41 E
 Langeoog 53 45 N 7 32 E
 Baltrum 53 44 N 7 24 E
 Norderney 53 42 N 7 10 E
 Juist 53 41 N 7 00 E
 Memmert 53 38 N 6 53 E
 Borkum 53 35 N 6 40 E
 Bensersiel 53 41 N 7 35 E
 Norddeich 53 38 N 7 10 E
 River Ems
 Emden 53 21 N 7 11 E
 P Q Y G C R B D T A
 Ditzum 53 19 N 7 16 E
 Oldersum 53 19 N 7 20 E
 Leer 53 13 N 7 27 E
 Y G B T A

43A

43B

43C

43D

Papenburg 53 05 N 7 23 E
 P Y G B D T
 NETHERLANDS
 Farmsum 53 19 N 6 56 E
 Delfzijl 53 20 N 6 56 E
 Q Y G C B D T A
 Eems Canal
 Appingedam 53 19 N 6 51 E
 Loppersum 53 19 N 6 44 E
 Ten Post 53 18 N 6 44 E
 Groningen 53 14 N 6 32 E
 Y G C B T A
 Winschoter Diep
 Winschoten 53 08 N 7 01 E
 Eemshaven 53 27 N 6 50 E
 Y G C R T A
 Lauwersmeer
 Oostmahorn 53 23 N 6 10 E
 Zoutkamp 53 20 N 6 18 E
 West Frisian Islands
 Rottum 53 33 N 6 33 E
 Schiermonnikoog 53 29 N 6 09 E
 Ameland 53 27 N 5 38 E
 Terschelling
 West Terschelling 53 22 N 5 13 E
 Vlieland 53 18 N 5 05 E
 Texel 53 11 N 4 51 E
 Harlingen 53 11 N 5 25 E
 Q Y G C B D T
 Van Harinxma Canal
 Franeker 53 11 N 5 33 E
 Leeuwarden 53 12 N 5 47 E
 Dokkumer Ee Canal
 Dokkum 53 20 N 6 00 E
 Ysselmeer (Ijsselmeer)
 Makkum 53 04 N 5 24 E
 Workum 52 59 N 5 26 E
 Lemmer 52 51 N 5 41 E
 Prinses Margriet Canal
 Sneek 53 02 N 5 40 E
 Grouw 53 06 N 5 51 E
 Bergum 53 12 N 5 59 E
 Urk 52 40 N 5 36 E
 Zwartsluis 52 38 N 6 04 E
 Steenwijk 52 47 N 6 07 E
 Meppel 52 42 N 6 12 E
 Hasselt 52 35 N 6 05 E
 River Yssel (River Ijssel)
 Kampen 52 35 N 5 48 E
 Zwolle 52 31 N 6 07 E
 Deventer 52 15 N 6 09 E
 Berkel Twente Canal
 Twente Canal
 Almelo 52 22 N 6 38 E
 Hengelo 52 16 N 6 46 E
 Zutphen 52 08 N 6 12 E
 Almere-Haven 52 20 N 5 13 E
 Lelystad 52 30 N 5 26 E
 Enkhuizen 52 42 N 5 18 E
 Den Oever 52 55 N 5 01 E
 Den Helder 52 58 N 4 47 E
 G B D T A
 North Holland Canal
 Alkmaar 52 38 N 4 43 E
 Egmond aan Zee 52 37 N 4 37 E
 Wijk aan Zee (Wyk aan Zee) 52 30 N 4 35 E
 North Sea Canal
 Ymuiden (Ijmuiden) 52 27 N 4 35 E
 Q Y G R B T A
 Velsen 52 28 N 4 38 E
 Beverwijk 52 29 N 4 38 E
 Y G R B T A
 Buitenhuizen 52 26 N 4 43 E
 Spaarndam 52 25 N 4 41 E
 Haarlem 52 23 N 4 39 E
 Halfweg 52 23 N 4 45 E
 Westzaan 52 27 N 4 47 E
 Zaan Canal
 Zaanandam 52 26 N 4 50 E
 P Y G C R B D T A
 Koog aan den Zaan 52 27 N 4 49 E

44A

44B

44C

44D

Wormerveer 52 28 N 4 47 E
 Amsterdam 52 22 N 4 54 E
 P Q Y G C R B D T A
 Amsterdam-Rhine Canal
 Utrecht 52 05 N 5 07 E
 Zandvoort 52 22 N 4 32 E
 Katwijk aan Zee 52 12 N 4 24 E
 Old Rhine (Oude Rijn)
 Leiden 52 09 N 4 28 E
 Leiderdorp 52 08 N 4 31 E
 Alphen aan den Rijn 52 08 N 4 38 E
 Woerden 52 06 N 4 54 E
 Scheveningen 52 06 N 4 16 E
 G C R B T A
 'sGravenhage (Den Haag, The Hague) 52 05 N 4 18 E
 Schie Canal
 Voorburg 52 04 N 4 18 E
 Delft 52 01 N 4 22 E
 Overschie 51 56 N 4 25 E
 New Rotterdam Waterway (Nieuwe Waterweg)
 Maasvlakte 51 58 N 4 04 E
 Hook of Holland 51 59 N 4 07 E
 R B A
 Europoort 51 57 N 4 05 E
 Poortershaven 51 56 N 4 12 E
 Maassluis 51 55 N 4 15 E
 Rozenburg 51 54 N 4 15 E
 Vondelingen Plaats 51 53 N 4 20 E
 Vlaardingen 51 54 N 4 21 E
 Q Y G A
 Pernis 51 54 N 4 23 E
 Schiedam 51 54 N 4 24 E
 G D T A
 Rotterdam 51 54 N 4 29 E
 P Q Y G C R B D T A
 New Maas (Nieuwe Maas)
 Kralingscheveer 51 54 N 4 32 E
 Ysselmonde (Ijsselmonde) 51 54 N 4 31 E
 River Hollandsch Yssel
 Krimpen aan den Yssel 51 54 N 4 35 E
 Capelle aan den Yssel 51 55 N 4 34 E
 Ouderkerk 51 56 N 4 36 E
 Nieuwerkerk aan den Yssel 51 58 N 4 35 E
 Gouda 52 01 N 4 42 E
 Bolnes 51 54 N 4 34 E
 River Lek
 Krimpen aan den Lek 51 53 N 4 37 E
 Lekkerkerk 51 55 N 4 38 E
 Nieuw Lekkerland 51 53 N 4 38 E
 Bergambacht 51 56 N 4 47 E
 Groot-Ammers 51 55 N 4 50 E
 Ameide 51 57 N 4 57 E
 Vianen 51 59 N 5 02 E
 Culemborg 51 57 N 5 13 E
 Lower Rhine (Neder Rijn)
 Wageningen 51 58 N 5 40 E
 Arnhem 51 58 N 5 53 E
 Huissen 51 55 N 5 55 E
 De Noord
 Slikkerveer 51 53 N 4 36 E
 Kinderdijk 51 53 N 4 38 E
 Alblasserdam 51 52 N 4 37 E
 Hendrik Ido Ambacht 51 51 N 4 37 E
 Papendrecht 51 50 N 4 38 E
 Old Maas (Oude Maas)
 Oud Beijerland 51 50 N 4 24 E
 Puttershoek 51 48 N 4 34 E
 Zwijndrecht (Zwyndrecht) 51 49 N 4 39 E
 'sGravendeel 51 46 N 4 36 E
 Dordrecht 51 48 N 4 39 E
 P Q Y G B T A
 River Merwede
 Sliedrecht 51 50 N 4 45 E
 Hardinxveld 51 49 N 4 51 E
 Gorinchem 51 49 N 4 59 E
 Rijswijk 51 47 N 5 01 E
 Spijk (Spyk) 51 52 N 5 03 E
 River Waal
 Zuilichem 51 48 N 5 07 E

45A

45B

45C

45D

NETHERLANDS *continued*

46A

Haften 51 49 N 5 11 E
 Zaltbommel 51 48 N 5 12 E
 Heerwaarden 51 49 N 5 23 E
 Tiel 51 53 N 5 27 E
 Wamel 51 52 N 5 27 E
 Druten 51 53 N 5 37 E
 Dodewaard 51 54 N 5 38 E
 Deest 51 53 N 5 40 E
 Nijmegen (Nymegen) 51 50 N 5 50 E
 P G C R B T
 Gendt 51 52 N 5 59 E
 Millingen aan den Rijn 51 52 N 6 02 E
 River Rhine (River Rijn)
 Lobith 51 52 N 6 08 E

GERMANY

River Rhine (Rhein)

Spy Canal
 Klieve 51 47 N 6 09 E
 Emmerich 51 51 N 6 15 E
 Wesel 51 39 N 6 36 E
 Walsum 51 33 N 6 41 E
 Orsoy 51 32 N 6 41 E
 Homberg 51 27 N 6 43 E
 Ruhrort 51 27 N 6 44 E
 Duisburg 51 26 N 6 45 E
 P O G C R B T A

46B

Rheinhausen 51 25 N 6 44 E
 Urdingen 51 21 N 6 40 E
 Krefeld 51 20 N 6 34 E
 P O Y G A

Dusseldorf 51 15 N 6 46 E
 G C A

Neuss 51 12 N 6 42 E
 P Y G C R T A

Sturzelburg 51 07 N 6 48 E
 Monheim 51 07 N 6 49 E
 Dormagen 51 06 N 6 57 E
 Leverkusen 51 01 N 7 02 E
 Cologne (Köln) 50 56 N 7 00 E
 Y G C R B A

46C

Porz 50 53 N 7 03 E
 Wesseling 50 50 N 7 00 E
 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
 Weissenthurm 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

p.20/21

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

46D

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 O Y G C R T A

Ludwigshafen am Rhein 49 28 N 8 27 E
 P O 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

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 O 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

p.22/23

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 41 N 4 24 E

Numansdorp 51 43 N 4 25 E

Moerdijk 51 42 N 4 37 E

P Y G C R L B D A

Geertruidenberg 51 43 N 4 52 E

Raamsdonkveer 51 42 N 4 55 E

Wilhelmina 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

Zijpe 51 39 N 4 06 E

Ouwkerk 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

Stavenisse 51 35 N 4 00 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

Colynsplaet 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

47A

Antwerp (Antwerpen) 51 14 N 4 25 E

48A

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

Y G C

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

Kruibeke 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

Puurs 51 04 N 4 16 E

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 T A

Ruisbroek 50 47 N 4 17 E

48C

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

Tielrode 51 07 N 4 13 E

Baasrode 51 03 N 4 10 E

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

48D

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 O Y G C R B D T A

NETHERLANDS

Breskens 51 24 N 3 34 E

Wielingen 51 23 N 3 23 E

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

GEOGRAPHIC INDEX

85

BELGIUM

Zeebrugge 51 20 N 3 12 E

P Q Y G C R B D T A

Baudouin Canal

Bruges (Brugge) 51 14 N 3 13 E

P Y G B 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 L 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 Treport 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 A

Cap d'Antifer 49 41 N 0 10 E

Antifer 49 40 N 0 10 E

River Seine

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 Mailleraye 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

49A

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 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 L 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 A

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 L 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

Pleubian 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 L 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

50A

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 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 T A

Hennebont 47 48 N 3 16 W

Port Louis 47 42 N 3 22 W

Belz 47 40 N 3 10 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 Poulguen 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 Cheviere 47 11 N 1 36 W

Chantenay 47 12 N 1 36 W

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

Saint-Hilaire-de-Riez 46 42 N 1 56 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 T A

Tonnay Charente 45 57 N 0 53 W

Y G A

Ile d'Oleron

Chateau d'Oleron 45 53 N 1 12 W

La Perotine 45 58 N 1 14 W

51A

51B

FRANCE *continued*

Mareennes 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
 QYGLBTA

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
 PQBT

River Garonne
 Bassens 44 54 N 0 32 W
 Bordeaux 44 50 N 0 34 W
 QYGCRCRBDTA

Pauillac 45 12 N 0 45 W
 PBT

Trompeloup 45 14 N 0 45 W
 Le Verdon 45 33 N 1 05 W
 YCRBTA

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
 PQYGBDFTA

Biarritz 43 30 N 1 34 W
 St. Jean de Luz 43 24 N 1 40 W
 Hendaye 43 22 N 1 46 W

SPAIN

Fuenterrabia 43 22 N 1 48 W
 Pasajes 43 20 N 1 56 W
 QYGCRCRBDFTA

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 19 N 2 25 W
 Lequeitio 43 22 N 2 29 W
 Bermeo 43 25 N 2 43 W
 YGBTA

Nervion River
 Santurce 43 20 N 3 02 W
 Las Arenas 43 19 N 3 00 W
 Portugaleta 43 19 N 3 02 W
 Sestao 43 18 N 2 58 W
 Bilbao 43 17 N 2 55 W
 PQYGCRCRBDFTA

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

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
 Gijon 43 33 N 5 40 W
 PQYGCRCRBDFTA

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
 QYGCRCRBDFTA

San Esteban de Pravia 43 34 N 6 05 W
 Luarda 43 32 N 6 31 W

52A

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
 YGBTA

Burela 43 39 N 7 20 W
 San Ciprian 43 42 N 7 27 W
 PQYGRBT

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

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

52B

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
 YGA

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
 Villagarcia 42 36 N 8 46 W
 QYGRBTA

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

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

La Guardia 41 54 N 8 53 W

52C

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

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

52D

Aveiro 40 39 N 8 45 W
 QYGCRCRBDFTA

Figueira da Foz 40 09 N 8 52 W
 YGCBCDT

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
 PQYGCRCRBDFTA

Barreiro 38 39 N 9 05 W
 Cabo Espichel 38 25 N 9 14 W
 Sesimbra 38 26 N 9 06 W

53A

Setubal 38 30 N 8 55 W
 QYGCRCRBDFTA

Sines 37 57 N 8 52 W
 PQYGCRCRBT

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
 YGCRCRBDFTA

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

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

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
 PQYGCRCRBDFTA

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
 YGCRCRBDFTA

Chipiona 36 44 N 6 26 W
 Rota 36 37 N 6 22 W
 Puerto de Santa Maria 36 36 N 6 14 W
 Puerto Real 36 32 N 6 11 W
 San Fernando 36 28 N 6 12 W
 Cadiz 36 30 N 6 20 W
 PQYGCRCRBDFTA

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

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
 PGCRBDFTA

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
 QYGCRCRBDFTA

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
 PQYGRBTA

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

Cabo de Gata 36 43 N 2 11 W
 Agua Amarga 36 56 N 1 56 W

54A

p.30

53B

54B

53C

p.28/29

54C

53D

54D

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

GEOGRAPHIC INDEX

87

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
 Cartagena 37 35 N 0 59 W
 P Q Y G C R B D T A
 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
 Torreveja 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 L B T A
 La Canal 38 50 N 1 23 E
 San Antonio 38 59 N 1 18 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
 Soller 39 48 N 2 41 E
 Puerto Pollensa 39 53 N 3 04 E
 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 L B T A
 Ciudadelá 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
 Q 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 T 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

55A
 p.28/29
 55B
 55C
 55D

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 T A
 Rosas 42 15 N 3 11 E
 G A
 Port Selva 42 20 N 3 12 E
 Portbou 42 25 N 3 09 E
 FRANCE
 Port Vendres 42 31 N 3 07 E
 Q G R B A
 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
 P Q Y G C R L B T A
 Balaruc 43 28 N 3 41 E
 Salin de Giraud 43 24 N 4 44 E
 River Rhone
 Arles 43 41 N 4 38 E
 Lyon 45 44 N 4 49 E
 River Saone
 Chalon-sur-Saone 46 47 N 4 50 E
 Golfe de Fos
 St. Louis du Rhone 43 23 N 4 49 E
 P Q G R T A
 Fos 43 23 N 4 51 E
 P Q Y G C R B A
 Port de Bouc 43 24 N 4 59 E
 Q Y G B T A
 Caronte 43 24 N 5 02 E
 Lake Berre
 Etang de Berre 43 29 N 5 10 E
 P Q B T A
 La Mede 43 24 N 5 06 E
 Martigues 43 24 N 5 03 E
 Lavera 43 23 N 5 00 E
 P Q B A
 Port de la Lave 43 22 N 5 18 E
 L'Estaque 43 22 N 5 19 E
 Marseilles (Marseille) 43 20 N 5 21 E
 P Q Y G C R L B D T A
 Cassis 43 13 N 5 32 E
 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 L B D T A
 Hyeres-Plage 43 05 N 6 09 E
 Hyeres Island
 Porquerolles 42 59 N 6 12 E
 Le Lavandou 43 08 N 6 22 E
 St. Tropez 43 16 N 6 38 E
 Ste. Maxime 43 18 N 6 38 E
 St. Raphael 43 24 N 6 47 E
 Cannes 43 31 N 7 01 E
 Antibes 43 35 N 7 09 E
 Nice 43 42 N 7 17 E
 G R A
 Villefranche 43 42 N 7 19 E
 Beaulieu 43 42 N 7 20 E
 MONACO
 Monte Carlo 43 44 N 7 25 E
 G B A

56A
 p.31
 56B
 56C
 56D

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 B A
 Cap Pertusato 41 22 N 9 11 E
 Bonifacio 41 23 N 9 06 E
 G R B 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)
 Cape Testa 41 14 N 9 08 E
 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
 Olbia 40 55 N 9 34 E
 G R L B T A
 Arbatax 39 56 N 9 42 E
 G C R B T A
 Cape Carbonara 39 06 N 9 31 E
 Cagliari 39 12 N 9 05 E
 P Q Y G C R B T A
 Sarroch 39 05 N 9 02 E
 P Q G T A
 Cape Spartivento 38 53 N 8 51 E
 Sant' Antioco Island
 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
 Portoscuso 39 13 N 8 22 E
 Porto Flavia 39 20 N 8 26 E
 Gulf of Oristano
 Oristano 39 52 N 8 33 E
 P Q Y G C R T A
 Alghero 40 34 N 8 19 E
 G B A
 Cape Argentiera 40 44 N 8 08 E
 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
 Cape Mortola 43 47 N 7 33 E
 Ventimiglia 43 47 N 7 36 E
 Bordighera 43 47 N 7 40 E
 San Remo 43 49 N 7 47 E
 G B A
 Riva Ligure 43 50 N 7 53 E
 Imperia 43 53 N 8 02 E
 Q G C B A

57A
 57B
 57C
 p.28/29
 57D
 p.31

ITALY *continued*

Pietra Ligure 44 09 N 8 17 E
 Vado Ligure 44 16 N 8 26 E
 Savona 44 18 N 8 29 E
 P Q Y G C R L B D T A
 Voltri 44 26 N 8 45 E
 Mulledo 44 25 N 8 50 E
 Sestri Ponente 44 25 N 8 51 E
 Genoa (Genova) 44 25 N 8 55 E
 P Q Y G C R L B D T A
 Recco 44 22 N 9 09 E
 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
 Lavagna 44 18 N 9 21 E
 Sestri Levante 44 16 N 9 23 E
 Portovenere 44 02 N 9 51 E
 La Spezia 44 07 N 9 50 E
 P Q Y G C R B D T A
 Sarzana 44 07 N 9 58 E
 Ameglia 44 04 N 9 58 E
 Pertusola 44 05 N 9 53 E
 Marina di Carrara 44 02 N 10 03 E
 Y G C R B T A
 Viareggio 43 52 N 10 15 E
 Navicelli Canal
 Pisa 43 43 N 10 24 E
 River Arno
 Limite 43 43 N 10 57 E
 Leghorn (Livorno) 43 33 N 10 19 E
 P Q Y G C R L B D T A
 Gorgona Island 43 26 N 9 53 E
 Porto Baratti 43 00 N 10 30 E
 Vada 43 21 N 10 27 E
 Q G
 Piombino 42 56 N 10 33 E
 P Y G R B T A
 Elba Island
 Portoferraio 42 49 N 10 20 E
 Y G L B A
 Rio Marina 42 49 N 10 26 E
 Porto Azzurro 42 46 N 10 24 E
 Calamita 42 43 N 10 24 E
 Vallone 42 42 N 10 24 E
 Follonica 42 55 N 10 45 E
 P Q Y G T A
 Portiglione 42 53 N 10 46 E
 Talamone 42 33 N 11 08 E
 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 L 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 B A
 Terracina 41 17 N 13 15 E
 Ponza Island
 Ponza 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
 Procida Island
 Procida 40 47 N 14 02 E
 Ischia Island
 Porto d'Ischia 40 44 N 13 57 E
 Casamicciola Terme 40 45 N 13 54 E
 Miseno 40 47 N 14 05 E
 Baia 40 49 N 14 05 E

58A

58B

58C

58D

p.28/29

p.31

Pozzuoli 40 49 N 14 07 E
 P G B A
 Bagnoli 40 48 N 14 10 E
 Y G B A
 Naples (Napoli) 40 51 N 14 16 E
 P Q Y G C R B D T A
 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 B T A
 Castellammare di Stabia 40 42 N 14 29 E
 G R B A
 Sorrento 40 38 N 14 23 E
 Massalubrense 40 36 N 14 20 E
 Punta Campanella 40 34 N 14 20 E
 Capri Island
 Marina Grande 40 33 N 14 15 E
 Positano 30 37 N 14 28 E
 Amalfi 40 38 N 14 36 E
 Minori 40 39 N 14 38 E
 Maiori 40 39 N 14 39 E
 Salerno 40 41 N 14 46 E
 G C R B T A
 Agropoli 40 20 N 14 58 E
 Acciaroli 40 10 N 15 01 E
 Scario 40 03 N 15 30 E
 Paola 39 22 N 16 02 E
 Vibo Valentia 38 43 N 16 08 E
 Aeolian Islands
 Stromboli Island 38 48 N 15 15 E
 Panarea Island 38 38 N 15 04 E
 Salina Island
 Salina 38 34 N 14 52 E
 Rinella 38 33 N 14 50 E
 Lipari Island
 Lipari 38 28 N 14 57 E
 G B
 Canneto 38 30 N 14 58 E
 Vulcano Island
 La Fabbrica 38 24 N 14 58 E
 Ustica Island
 Ustica 38 42 N 13 11 E
 Gioia Tauro 38 26 N 15 54 E
 C R T
 Bagnara Calabria 38 16 N 15 48 E
 Scilla 38 15 N 15 43 E
 Villa San Giovanni 38 12 N 15 37 E
 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 T

59A

59B

p.28/29

59C

59D

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
 MALTA
 Valletta 35 54 N 14 31 E
 P Q Y G C R B D T A
 Marsaxlokk 35 49 N 14 34 E
 P Q G C R B T A
 Gozo (Ghawdex) Island
 Mgarr 36 01 N 14 18 E

60A

60B

60C

60D

ITALY
 Reggio di Calabria 38 07 N 15 39 E
 G R B A
 Cape Armi 37 57 N 15 41 E
 Cape Spartivento 37 55 N 16 04 E
 Soverato 38 41 N 16 33 E
 Marina di Catanzaro 38 49 N 16 37 E
 Cape Colonne 39 02 N 17 12 E
 Crotona 39 05 N 17 08 E
 P Q Y G B T
 Ciro Marina 39 22 N 17 08 E
 Y
 Schiavonia 39 38 N 16 32 E
 Corigliano 39 40 N 16 31 E
 Trebisacce 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 T 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
 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

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

GEOGRAPHIC INDEX

89

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

Marano 45 26 N 12 21 E

Santa Margherita 45 35 N 12 52 E

Porto Nogaro 45 49 N 13 14 E

G C T 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

Trieste 45 39 N 13 48 E

P Q Y G C R L 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 L T A

Izola 45 33 N 13 40 E

G R B D T 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

61A

Pula (Pola) 44 53 N 13 50 E

Y G C R L B T A

Budava 44 54 N 13 59 E

Rasa 45 02 N 14 04 E

Y G T 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 B T A

Opatija (Abbazia) 45 20 N 14 19 E

Rijeka (Fiume) 45 19 N 14 26 E

P Q Y G C R 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 T A

Valbriska 45 03 N 14 28 E

Cres (Cherso) Island

Merag 44 59 N 14 26 E

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

Ugljan 44 08 N 15 07 E

Lamjana 44 01 N 15 14 E

Dugi Island

Veli Rat 44 09 N 14 49 E

Brbinj 44 04 N 14 59 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

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

Pucice 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 L

Stari Grad 43 12 N 16 33 E

Vis Island

Komiza 43 02 N 16 05 E

Korcula Island

62A

Korcula 42 48 N 17 08 E

G T

Vela Luka 42 59 N 16 37 E

Brna 42 54 N 16 51 E

Lastovo Island

Lastovo 42 46 N 16 54 E

Ubli 42 44 N 16 49 E

Ploce 43 02 N 17 25 E

P Q Y G C R T A

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 T A

Cavtat 42 34 N 18 13 E

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 T A

Ulcinj 41 55 N 19 12 E

ALBANIA

Shengjin 41 49 N 19 36 E

G T

Durres (Durazzo) 41 19 N 19 27 E

P Y G C R B T A

Vlore (Valona) 40 29 N 19 29 E

P Y G R

Himare 40 08 N 19 43 E

Sarande 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

Amfilochia 38 52 N 21 10 E

Levkas Island

Drepanon 38 47 N 20 44 E

Astakos 38 32 N 21 05 E

Q Y G C R B D A

Platyalii 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

Y G T A

Samos 38 15 N 20 40 E

Zante (Zakinthos) Island

Zante (Zakinthos) 37 47 N 20 54 E

G B A

63A

63B

63C

63D

p.31

62B

62C

p.28/29

62D

GREECE *continued*

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	L	B	D	T	A									
---	---	---	---	---	---	---	---	---	---	---	--	--	--	--	--	--	--	--	--

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																
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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																		
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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													
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Cape Tainaron (Cape Matapan)
 36 23 N 22 29 E
 Gythion (Yithion) 36 45 N 22 34 E

G																			
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Plytra 36 41 N 22 50 E
 Kelendhi Point 36 33 N 22 56 E
 Vatika Bay 36 31 N 23 00 E
 Neapolis 36 30 N 23 03 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																			
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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 (Epidhavros) 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	T	A														
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Sousaki 37 55 N 23 07 E
 Agioi Theodoroi 37 54 N 23 03 E

P	Q	B	T	A															
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Pachi (Pakhi) 37 58 N 23 23 E

P	B	T	A																
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Megara 37 58 N 23 24 E

P	B	T	A																
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Revithousa 37 58 N 23 24 E

Q																			
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Salamis Island
 Ambelaki Bay
 Ambelaki 37 57 N 23 32 E
 Cape Kynosoura 37 57 N 23 35 E

64A

Eleusis 38 02 N 23 30 E

P	Q	Y	G	B	T	A													
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Skaramanga 38 00 N 23 35 E
 Aspropyrgos 38 01 N 23 35 E

P	Q	B	T	A															
---	---	---	---	---	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Perama 37 57 N 23 35 E
 Keratsini Bay
 St. George Harbour (Irakleous Harbour)
 37 57 N 23 36 E

Drapetizona 37 56 N 23 37 E
 Piraeus 37 56 N 23 38 E

P	Q	Y	G	C	R	L	B	D	T	A									
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Phaleron Bay 37 56 N 23 41 E
 Fleves Island 37 46 N 23 46 E
 Kithnos Island 37 24 N 24 28 E
 Serifos Island

Serifos 37 07 N 24 32 E
 Koutala 37 08 N 24 27 E
 Livadhi 37 08 N 24 32 E
 Sifnos Island 36 58 N 24 43 E
 Kimolos Island
 Kimolos 36 47 N 24 34 E
 Milos Island

Y	G	R	A																
---	---	---	---	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Kastro 36 45 N 24 26 E
 Vouidia Bay 36 45 N 24 32 E
 Adhamas 36 43 N 24 27 E
 Kanaba 36 42 N 24 28 E
 Folegandros Island
 Karavostassi 36 37 N 24 58 E

Crete (Kriti) Island
 Iraklion (Heraklion) 35 16 N 25 10 E

P	Q	Y	G	C	R	L	B	T	A										
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Spinalonga 35 18 N 25 45 E
 Ayios Nikolaos 35 11 N 25 43 E

Y	G	L	B	A															
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Mokhlos 35 06 N 25 49 E
 Pachia Ammos 35 07 N 25 50 E
 Altsi 35 10 N 25 53 E
 Sitia 35 13 N 26 07 E
 Ierapetra 35 00 N 25 45 E
 Kali Limenes 34 56 N 24 50 E

B	T	A																	
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Ayia Galini 35 06 N 24 41 E
 Sfakia 35 12 N 24 09 E
 Paleochora 35 12 N 23 41 E
 Gavdo (Gavados) Island 34 50 N 24 04 E
 Kissamos 35 29 N 23 38 E
 Canea (Khania) 35 31 N 24 01 E
 Suda Bay 35 29 N 24 03 E

Q	G	A																	
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Georgioupoli 35 21 N 24 16 E
 Rethimnon 35 22 N 24 28 E

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

Panormos Bay 35 25 N 24 42 E
 Linoperamata 35 21 N 25 03 E
 Thira (Santorini) Island
 Thira 36 25 N 25 27 E

Amorgos Island
 Krikeli 36 54 N 26 03 E
 Aigialli 36 54 N 25 59 E
 Katapola Bay 36 50 N 25 52 E

Naxos Island
 Matsuna 37 05 N 25 37 E
 Naxos 37 06 N 25 23 E

Paros Island
 Paros 37 05 N 25 19 E
 Delos (Dhilos) Island 37 24 N 25 17 E
 Mykonos Island

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

Mykonos 37 27 N 25 20 E
 Ayias Annas 37 26 N 25 25 E
 Syros Island
 Syros 37 26 N 24 57 E

Y	G	B	D	T	A														
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Tinos Island
 Tinos 37 32 N 25 10 E
 Panormos 37 39 N 25 04 E
 Andros Island
 Gavriion 37 53 N 24 45 E

65A

Kea Island
 Ayios Nikolaos 37 40 N 24 19 E
 Makronisi Island 37 43 N 24 08 E
 Laurium (Lavriion) 37 42 N 24 04 E

P	Q	Y	G	B	T	A													
---	---	---	---	---	---	---	--	--	--	--	--	--	--	--	--	--	--	--	--

Rafina 38 01 N 24 00 E
 Oropos 38 19 N 23 48 E
 Euboea (Evvoia) Island
 Chalkis (Khalkis) 38 27 N 23 36 E

Q	Y	G	R	B	T														
---	---	---	---	---	---	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Psakhna 38 33 N 23 36 E
 Limni 38 46 N 23 19 E
 Kymassi 38 49 N 23 31 E

P	Y	G																	
---	---	---	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Mandoudhi 38 49 N 23 32 E
 Pyli 38 46 N 23 35 E
 Kimi 38 38 N 24 06 E
 Karistos 38 01 N 24 25 E

Skyros Island
 Lithari Point 38 47 N 24 41 E
 Euboea (Evvoia) Island
 Milaki 38 22 N 24 04 E
 Aliveri 38 23 N 24 03 E

P	Y	G	T																
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Levkandi 38 25 N 23 41 E
 Larimna 38 34 N 23 18 E
 Atalantis Bay
 Ayios Ioannis Theologos
 38 39 N 23 12 E
 Tragana 38 40 N 23 06 E
 Ayios Konstantinos 38 45 N 22 52 E
 Ayia Marina 38 53 N 22 35 E

Y																			
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Stylis 38 54 N 22 37 E

G	B																		
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Achladi (Akhlahdi) 38 53 N 22 49 E

Y	G	B																	
---	---	---	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Amaliapolis 39 10 N 22 52 E
 Volos 39 21 N 22 57 E

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

Skiathos Island
 Skiathos 39 10 N 23 29 E
 Skopelos Island
 Skopelos 39 07 N 23 45 E
 Thessaloniki (Salonica) 40 38 N 22 56 E

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

Nea Playia 40 16 N 23 13 E
 Nea Moudhania 40 14 N 23 17 E

Y	T	A																	
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Kalyvia 40 16 N 23 24 E
 Yerakini 40 16 N 23 26 E

Y	G	B	A																
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Ormilina 40 15 N 23 34 E
 Psahoudia 40 13 N 23 36 E
 Stratoni 40 31 N 23 51 E
 Nea Peramos 40 49 N 24 18 E
 Eleutherai 40 50 N 24 19 E
 Kavala 40 55 N 24 25 E

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

Nea Karvali 40 57 N 24 29 E
 Prinos Terminal 40 56 N 24 31 E
 Thasos Island
 Limenaria 40 38 N 24 35 E

Lagos 41 00 N 25 07 E
 Lemnos Island
 Kastro 39 53 N 25 04 E
 Myrina 39 52 N 25 03 E

Ayios Evstratios
 Ayios Evstratios 39 31 N 24 58 E
 Samothraki Island
 Kamariotissa Bay 40 28 N 25 29 E
 Cape Akrotiri 40 28 N 25 27 E
 Alexandroupolis 40 51 N 25 57 E

P	Y	G	R	B	T	A													
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TURKEY
 SEA OF MARMARA

Kabatepe 40 12 N 26 16 E
 Dardanelles

66A

66B

66C

66D

p.32

64C

64D

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

GEOGRAPHIC INDEX

91

67A
 Gelibolu (Gallipoli) 40 25 N 26 41 E
 G
 Cape Mehmetcik 40 02 N 26 11 E
 Tekirdag 40 57 N 27 30 E
 Q Y G C R B T
 Eregli 40 58 N 27 58 E
 Silivri 41 03 N 28 16 E
 Buyuk Cekmece 40 59 N 28 33 E
 Ambarli 40 58 N 28 42 E
 P Y G R C B T
 Zeytinburnu 40 58 N 28 54 E
 Bosporus
 Istanbul 41 00 N 28 58 E
 R L B D A
 Beyolgu 41 02 N 28 59 E
 Selvi Burnu 41 09 N 29 04 E
 Rumelikavagi 41 11 N 29 04 E
 Buyukdere 41 11 N 29 03 E

67B
 BLACK SEA
 Podima 41 29 N 28 17 E
 Kiyikoy (Midye) 41 38 N 28 07 E
 BULGARIA
 Michurin 42 10 N 27 54 E
 Druzba 42 27 N 27 32 E
 Sozopol 42 24 N 27 41 E
 Bourgas (Burgas) 42 30 N 27 29 E
 P Q Y G C R B D T A
 Pomorie 42 32 N 27 39 E
 Nessebar 42 40 N 27 44 E
 Lesport 43 10 N 27 49 E
 Varna 43 12 N 27 55 E
 P Q Y G C R B D T A
 Balchik 43 23 N 28 11 E
 Kavarna 43 27 N 28 21 E
 Cape Kaliakra 43 22 N 28 30 E

67C
 ROMANIA
 Mangalia 43 49 N 28 35 E
 G B D T A
 Agigea 44 06 N 28 37 E
 Constantza 44 10 N 28 39 E
 P Q Y G C R B D T A
 Luminitza 44 21 N 28 38 E
 Midia 44 21 N 28 41 E
 River Danube
 Sulina 45 09 N 29 39 E
 Y G C T A
 Tulcea 45 10 N 28 49 E
 Y G B T A
 Vilkovo (Ukraine) 45 24 N 29 36 E
 Kiliya (Ukraine) 45 26 N 29 16 E
 Y G
 Caslita (Ukraine) 45 24 N 29 02 E
 Izmail (Ismail) (Ukraine) 45 20 N 28 51 E
 Y G C R B T
 Isaccea 45 15 N 28 28 E
 Reni (Ukraine) 45 26 N 28 18 E
 P Q Y G C R B T A
 Galatz (Galati) 45 25 N 28 05 E
 Y G B D T A
 Braila 45 15 N 27 59 E
 P Y G B D T A
 Cernavoda 44 21 N 28 02 E
 Calarasi 44 11 N 27 19 E
 Silistra (Bulgaria) 44 06 N 27 15 E
 Tutrakan (Bulgaria) 44 02 N 26 40 E
 Oltenitza 44 02 N 26 35 E
 Giurgiu 43 54 N 25 58 E
 Rousse (Bulgaria) 43 50 N 25 58 E
 Kozloduy 43 47 N 23 43 E

67D
 Lom (Bulgaria) 43 50 N 23 12 E
 Y G B
 Turnu Severin 44 38 N 22 40 E
 Kladovo (Serbia) 44 36 N 22 33 E
 Orsova 44 42 N 22 25 E
 Bazias 44 48 N 21 24 E
 Pancevo (Serbia) 44 52 N 20 40 E
 Y G C R T
 Belgrade (Beograd) (Serbia)
 44 48 N 20 28 E
 G C T A
 River Sava
 Brcko (Bosnia) 44 52 N 18 49 E
 Novi Sad (Serbia) 45 16 N 19 50 E
 Y G C
 Vukovar (Croatia) 45 21 N 19 00 E
 Apatin (Serbia) 45 40 N 19 00 E
 Bezdram (Serbia) 45 50 N 18 56 E
 Mohacs (Hungary) 46 00 N 18 41 E
 Budapest (Hungary) 47 30 N 19 02 E
 Komarno (Slovakia) 47 46 N 18 05 E
 Y
 Gyor (Hungary) 41 N 17 40 E
 Bratislava (Slovakia) 48 09 N 17 07 E
 P Y G C R
 Korneuburg (Austria) 48 22 N 16 20 E
 Linz (Austria) 48 19 N 14 18 E
 Passau (Germany) 48 35 N 13 28 E
 Y G R
 Deggendorf (Germany) 48 50 N 12 58 E
 Straubing (Germany) 48 53 N 12 35 E
 Regensburg (Germany) 49 01 N 12 07 E
 Y G C R B
 Wurzburg (Germany) 49 47 N 09 56 E
 UKRAINE
 Ust-Dunaysk 45 28 N 29 50 E
 Y G B T
 River Dnestr
 Bugaz 46 04 N 30 28 E
 Belgorod-Dnestrovskiy 46 11 N 30 21 E
 Y G C B T
 Cetatea Alba 46 11 N 30 20 E
 Ilichevsk 46 18 N 30 39 E
 P Q Y G C R B D T A
 Odessa 46 29 N 30 45 E
 P Q Y G C R B T A
 Yuzhnyy 46 36 N 31 01 E
 Q Y G B T A
 Ochakov 46 36 N 31 33 E
 Nikolayev (Mykolayiv) 46 58 N 31 58 E
 Y G C B D T A
 Oktyabrsk 46 50 N 31 57 E
 Y G B T
 Dneprobugskiy 46 45 N 31 55 E
 Y G
 River Dnepr
 Kherson 46 37 N 32 36 E
 P Q Y G B T
 Tyaginka 46 45 N 33 03 N
 Zaporozhye 47 50 N 35 10 E
 Dnepropetrovsk 48 29 N 35 00 E
 Dneprodzerzhinsk 48 30 N 34 37 E
 Dneprovskoye 48 35 N 34 25 E
 Kremenchug 49 03 N 33 25 E
 Cherkassy 49 26 N 32 03 E
 Skadovsk 46 06 N 32 55 E
 P Y G R
 Khorly 46 05 N 33 18 E
 Chernomorsk 45 30 N 32 40 E

68A
 Yevpatoriya 45 11 N 33 23 E
 G R
 Sevastopol 44 37 N 33 22 E
 P Y G R B D T A
 Yalta 44 30 N 34 10 E
 Y G C R T A
 Theodosia (Feodosiya) 45 02 N 35 24 E
 P Y G R B T
 Kerch (Kertch) 45 21 N 36 28 E
 Y G C R B D T A
 Yenikale 45 21 N 36 36 E
 SEA OF AZOV
 Ghenichesk 46 10 N 34 48 E
 Berdiansk 46 45 N 36 47 E
 Y G C R B T A
 Mariupol 47 03 N 37 30 E
 P Q Y G C R B T A

68B
 RUSSIA
 Taganrog 47 12 N 38 57 E
 Y G C B T A
 River Don
 Azov 47 08 N 39 25 E
 Y G C B
 Rostov 47 10 N 39 42 E
 Y G B
 Bagaevskaya 47 19 N 40 23 E
 Volgograd 47 30 N 42 07 E
 Nikolayevskaya 47 36 N 41 29 E
 Konstantinovsk 47 33 N 41 06 E
 Ust Donets 47 40 N 40 57 E
 Semikarakorsk 47 30 N 40 48 E
 Kalach-na-Donu 48 43 N 43 29 E
 River Volga
 Olya 45 47 N 47 32 E
 Tatyanka 45 56 N 48 17 E
 Krasnyye Barrikady 46 12 N 47 51 E
 Astrakhan 46 22 N 48 04 E
 G C R B
 Akhtubinsk 48 20 N 46 10 E
 Volgograd 48 45 N 44 30 E
 Volzhskiy 48 49 N 44 44 E
 Kamyshin 50 05 N 45 24 E
 Saratov 51 30 N 45 55 E
 Balakovo 52 04 N 47 46 E
 Syzran 53 10 N 48 29 E
 Samara (Kuybyshev) 53 10 N 50 10 E
 Tolyatti 53 32 N 49 24 E
 River Vyatka
 Sosnovka 56 14 N 51 17 E
 River Kama
 Nizhnekamsk 55 25 N 51 53 E
 Naberezhnyye Chelny
 55 41 N 52 18 E
 Perm 58 01 N 56 13 E
 Berezniki 59 26 N 56 49 E
 Novocheboksarsk 56 06 N 47 29 E
 Cheboksary 56 08 N 47 14 E
 Nizhniy Novgorod (Gorkiy)
 56 20 N 44 00 E
 River Oka
 Navashino 55 33 N 42 11 E
 Balakhna 56 29 N 43 37 E
 Chkalovsk 56 45 N 43 14 E
 Kineshma 57 27 N 42 07 E
 Kostroma 57 46 N 40 45 E
 Yaroslavl 57 34 N 39 52 E
 Rybinsk (Andropov) 58 01 N 38 52 E
 Cherepovets 59 09 N 37 50 E
 Lake Belaye
 Mondoma 59 56 N 37 28 E

68C
 CASPIAN SEA
 KAZAKHSTAN
 Bautino 44 34 N 50 14 E
 Aktau 44 25 N 50 09 E
 P Y G R T

68D
 69A
 69B
 69C
 69D

TURKMENISTAN

Bekdash 41 32 N 52 36 E
 Turkmenbashi (Krasnovodsk)
 40 01 N 53 00 E

P Y G A

Cheleken 39 24 N 53 07 E
 Okarem 38 04 N 53 50 E

IRAN

Bandar Torkeman 36 55 N 54 05 E
 Bandar Gaz 36 45 N 53 58 E
 River Neka

Neka 36 36 N 53 19 E
 Amirabad 36 51 N 53 19 E
 Babol Sar 36 41 N 52 39 E
 Now Shahr 36 38 N 51 30 E

P Q Y G C R B T A

Bandar Anzali 37 26 N 49 29 E

P Y G C R B T A

AZERBAIJAN

Astara 38 25 N 48 50 E
 Lenkoran 38 46 N 48 50 E
 Baku 40 20 N 49 51 E

P Y G C R B T A

Apsheronkiy Port 40 24 N 50 17 E

RUSSIA

Derbent 42 03 N 48 18 E
 Makhachkala 42 59 N 47 30 E

SEA OF AZOV

Yeisk 46 44 N 38 16 E

G

Akhtari 46 02 N 38 09 E
 Temryuk 45 17 N 37 22 E

P G B T

BLACK SEA

Kavkaz 45 20 N 36 39 E

P Q Y G R B T

Anapa 44 53 N 37 18 E

Y G R T A

Novorossiysk 44 44 N 37 47 E

P Y G C R B D T A

Gelendzhik 44 34 N 38 07 E

G R B T A

Jubskaya 44 19 N 38 43 E

Tuapse 44 05 N 39 04 E

P Y G B D T

Sochi 43 35 N 39 44 E

Y G R L B T A

GEORGIA

Gagry 43 19 N 40 16 E
 Cape Pitsunda 43 09 N 40 20 E
 Sukhumi (Sukhum) 43 10 N 41 02 E

P G L B

Ochamchire 42 44 N 41 26 E

Poti 42 09 N 41 39 E

P Q Y G C R T A

Supsa Terminal 42 01 N 41 43 E

P

Batumi (Batumi) 41 39 N 41 39 E

P Q Y G R B T

70A

TURKEY

Hopa 41 25 N 41 24 E

P Y G C R B T

Pazar 41 12 N 40 52 E

Rize 41 03 N 40 32 E

Y G R B T A

Of 40 57 N 40 20 E

Surmene 40 56 N 40 10 E

Akcaabat 41 00 N 39 33 E

Trabzon 41 00 N 39 45 E

P Y G C R B T A

Akcaabat 41 02 N 39 35 E

Vakfikebir 41 05 N 39 21 E

Gorele 41 04 N 39 05 E

Tirebolu 41 01 N 38 49 E

Giresun 40 55 N 38 23 E

P Y G C R B T

Ordu 41 00 N 37 54 E

Q Y G C B T

Fatsa 41 02 N 37 23 E

Y G B

Unye 41 08 N 37 18 E

Azot 41 16 N 36 26 E

Samsun 41 18 N 36 22 E

P Y G C R B T A

Bafra 41 44 N 35 58 E

Gerze 41 49 N 35 14 E

Sinop 42 00 N 35 09 E

G C B

Ayancik 41 55 N 34 22 E

Inebolu 41 59 N 33 45 E

Y G B T

Cide 41 53 N 32 55 E

Kurucasile 41 50 N 32 42 E

Amasra 41 45 N 32 23 E

Bartin 41 38 N 32 20 E

Hisaronu (Filyos) 41 35 N 32 05 E

Kilimli 41 32 N 31 56 E

Catalagzi 41 32 N 31 54 E

Zonguldak 41 27 N 31 47 E

Y G R B T

Kozlu 41 27 N 31 46 E

Camli 41 19 N 31 28 E

Eregli 41 18 N 31 27 E

Sile 41 10 N 29 37 E

Y G C R B T

SEA OF MARMARA

Bosporus

Anadolukavagi 41 10 N 29 04 E

Beykoz 41 08 N 29 05 E

Kandilli 41 04 N 29 03 E

Uskudar 41 01 N 29 01 E

Haydarpasa 41 00 N 29 01 E

Y G C R B T A

Maltepe 40 54 N 29 09 E

Kartal 40 53 N 29 11 E

Tuzla 40 49 N 29 18 E

Darica 40 45 N 29 23 E

Y B

Gebze 40 46 N 29 26 E

P Q Y G B

Diliskelesi 40 46 N 29 32 E

P Q Y G C R B T A

Hereke 40 42 N 29 37 E

Y G C R B T A

Igsas 40 45 N 29 45 E

Yarimca 40 44 N 29 46 E

P Q Y G T

Tutunciftlik 40 45 N 29 47 E

P Q B T A

71A

Derince 40 45 N 29 49 E

Y G C R B T

Yenikoy 40 44 N 29 54 E

Izmit 40 46 N 29 55 E

P Y G T

Basiskele 40 43 N 29 55 E

Seimen 40 43 N 29 54 E

Batak Burnu 40 44 N 29 52 E

Kazuklu Iskelessi 40 43 N 29 50 E

Golcuk 40 43 N 29 48 E

Yalova 40 40 N 29 15 E

Gemlik 40 26 N 29 09 E

P Y G C R B T A

Mudanya 40 27 N 28 52 E

P Y G B T A

Bandirma 40 21 N 27 58 E

Q Y G C R B T A

Marmara Adasi

Saraylar 40 39 N 27 40 E

Erdek 40 24 N 27 47 E

Edincik 40 21 N 27 52 E

Karabiga 40 24 N 27 18 E

Icdas 40 27 N 27 08 E

Y G B T

Dardanelles

Canakkale 40 09 N 26 25 E

Y G R B

Kepez 40 06 N 26 22 E

G C R L B

MEDITERRANEAN SEA

Gokceada

Kalekoy 40 13 N 25 52 E

Kuzu 40 14 N 25 57 E

Bozcaada

Bozcaada 39 50 N 26 04 E

Odunluk 39 47 N 26 10 E

Akcay 39 35 N 26 54 E

Burhaniye 39 35 N 26 57 E

Altinoluk 39 33 N 26 42 E

Edremit 39 35 N 26 57 E

Ayvalik 39 19 N 26 43 E

Lesvos Island (Greece)

Sigri 39 12 N 25 52 E

Mytilene (Mitilini) 39 06 N 26 35 E

Q Y G R B A

Port Hiera 39 00 N 26 35 E

Perama 39 02 N 26 29 E

Plomarion 38 58 N 26 23 E

Kallonis 39 07 N 26 08 E

Dikili 39 05 N 26 53 E

Y G R L B

Candarli 38 56 N 26 58 E

Rema Bay

Resadiye 38 55 N 27 03 E

Aliaga 38 48 N 26 59 E

P Y G B T A

Foca 38 45 N 26 56 E

Nemrut Bay 38 45 N 26 55 E

Q Y G R B T A

Tcham Bay

Camalti 38 30 N 26 53 E

Izmir 38 26 N 27 08 E

Y G C R B T A

Urla 38 22 N 26 47 E

Psara Island (Greece)

Psaron 38 32 N 25 34 E

Chios (Khios) Island (Greece)

Chios (Khios) 38 23 N 26 09 E

P G A

Oinoussa Island (Greece)

Fourkero Bay 38 31 N 26 15 E

Cesme 38 19 N 26 18 E

G R B T A

Kusadasi 37 52 N 27 14 E

R B T A

72A

72B

72C

72D

p.28/29

p.32

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

GEOGRAPHIC INDEX

93

73A
 Samos Island (Greece)
 P G R A
 Karlovassi 37 48 N 26 41 E
 Samos 37 45 N 26 58 E
 Pythagorion 37 41 N 26 56 E
 Gulluk 37 15 N 27 38 E
 Y G B A
 Gumusluk 37 03 N 27 15 E
 Patmos Island (Greece)
 Patmos 37 18 N 26 35 E
 G
 Leros Island (Greece)
 G A
 Ayia Marina 37 09 N 26 51 E
 Port Lakki 37 07 N 26 51 E
 Kalymnos Island (Greece)
 Kalymnos 36 57 N 26 59 E
 G R
 Kos Island (Greece)
 Kos 36 53 N 27 19 E
 P G R A
 Yali Island (Greece) 36 39 N 27 07 E
 Y T A
 Nisiros Island (Greece) 36 37 N 27 08 E
 Bodrum 37 02 N 27 25 E
 Gokova 37 03 N 28 22 E
 Tilos Island (Greece) 36 26 N 27 23 E
 Karpathos Island (Greece)
 Dhiafani 35 45 N 27 14 E
 Karpathos 37 30 N 27 12 E
 Rhodes Island (Greece)
 Rhodes 36 27 N 28 14 E
 G R L B T A
 Halki Island (Greece)
 Halki 36 13 N 27 35 E
 Simi Island (Greece)
 Port Simi 36 37 N 27 50 E
 Kizilyer 36 39 N 28 08 E
 Kargi 36 46 N 28 19 E
 Marmaris 36 51 N 28 16 E
 L B T A
 Karagace 36 51 N 28 28 E
 Gocek 36 45 N 28 59 E
 P G B A
 Fethiye 36 38 N 29 06 E
 P G B A
 Megisti (Kastellorizon) Island (Greece)
 36 09 N 29 36 E
 Kas 36 12 N 29 38 E
 Andifli 36 12 N 29 41 E
 Finike 36 18 N 30 09 E
 Adrazan 36 18 N 30 32 E
 Atbuku 36 25 N 30 33 E
 Tekirova 36 31 N 30 34 E
 Agva 36 35 N 30 38 E
 Antalya 36 50 N 30 37 E
 P Y G C R B T A
 Alanya 36 32 N 32 00 E
 G L B A
 Anamur 36 01 N 32 49 E
 Aydincik 36 09 N 33 21 E
 Ovacik 36 08 N 33 43 E
 Tasucu 36 14 N 33 59 E
 Silifke 36 20 N 33 59 E
 Mersin 36 48 N 34 38 E
 P Q Y G C R B T A
 Yumurtalik Bay
 Yumurtalik 36 46 N 35 45 E
 Ayas 36 46 N 35 47 E
 Ceyhan 36 53 N 35 56 E
 P Q Y R B T A
 Sugoza 36 52 N 35 57 E
 Toros 36 55 N 35 59 E
 Dortyol 36 50 N 36 14 E
 P Q B
 Payas 36 45 N 36 11 E
 Isdemir 36 44 N 36 11 E

73A

73B

73C

73D

p.33

Sariseki 36 40 N 36 13 E
 Iskenderun 36 36 N 36 10 E
 P Q Y G C R B T
 Arsuz 36 25 N 35 53 E
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 T A
 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 T A
 Famagusta 35 07 N 33 56 E
 P Q Y G C R T A
 Bogaz 35 19 N 33 57 E
 Gastria Bay
 Kalecik 35 19 N 33 59 E
 P Y G T A
SYRIA
 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
 Baniyas (Baniyas) 35 14 N 35 56 E
 P Y B 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 T A
 Jieh 33 40 N 35 24 E
 Sidon (Saida) 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 A
ISRAEL
 Akko (Acre) 32 55 N 35 04 E
 Kishon 32 49 N 35 01 E

74A

74B

74C

74D

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
 Yafa (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 B A
 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
 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
 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
 El Mina El Gedida 29 57 N 32 32 E
 Damietta 31 23 N 31 48 E
 Q Y G C R B T A
 Idku 31 21 N 30 18 E
 Q T A
 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 B 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
 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
 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 T
 Marsa el Brega 30 25 N 19 35 E
 P Q Y G R B T
 Ras Lanuf 30 31 N 18 34 E
 P Q A

75A

75B

75C

75D

p.67

p.33

p.28/29

LIBYA *continued*

Es Sider Terminal 30 38 N 18 21 E
 P
 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 T A
 Bouri Terminal 33 54 N 12 39 E
 Mellitah 32 53 N 12 15 E
 P
 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 T A

TUNISIA

Zarzis 33 30 N 11 07 E
 P Y G R B A
 Djerba Island
 Ajim 33 43 N 10 44 E
 Bou Grara 33 30 N 10 40 E
 Gabes 33 57 N 10 04 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
 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
 Y G C R B T A
 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
 Bizerta 37 16 N 9 53 E
 P Q Y G C R B D 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

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

76A

Collo 37 00 N 6 34 E
 G
 Cap Bougaroni 37 05 N 6 28 E
 Djen Djen (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
 Azzeffoun 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

76B

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 L T A
 Port Kelah 35 06 N 2 09 W
 Port Say 35 05 N 2 12 W

76C

MOROCCO

Chafarinas Islands 35 11 N 2 26 W
 Nador 35 16 N 2 55 W
 P Q Y G R T A
 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 L 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
 Mehdiya 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 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
 Jorf Lasfar 33 07 N 8 38 W
 P Q Y G R B T A
 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

p.31

76D

p.28/29

77A

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 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

77B

p.30

77C

MADEIRA ISLANDS (Portugal)
 Madeira Island
 Funchal 32 38 N 16 54 W
 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
 Y G C R A
 Porto Santo Island
 Porto Santo 33 03 N 16 20 W
 P G C R A

77D

p.34/35

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
 Morrojaible 28 02 N 14 20 W
 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 L 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

78A

78B

78C

78D

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

GEOGRAPHIC INDEX

95

Gomera **79A**
 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 L 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

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 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 **79C**
 Porto da Preguica 16 34 N 24 17 W
 Sal Island
 P G R T 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

Maió Island
 Porto Inglez 15 08 N 23 13 W

Santiago Island
 Praia 14 54 N 23 31 W
 Q Y G C R B 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 **79D**
 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 **80A**
 River Bandiala
 Toubakouta 13 48 N 16 29 W

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 **80B**
 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
 Binta 12 25 N 15 19 W
 Porto Ribeiro 12 26 N 15 19 W
 Farim 12 29 N 15 13 W

River Geba
 Caio Island 11 50 N 16 19 W
 Bissau 11 51 N 15 35 W
 P Y G C 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 Tinguillinta) **80C**
 Kamsar 10 39 N 14 37 W
 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
 Bonthe 7 32 N 12 30 W

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 **81A**
 P G B T A

Cape Palmas 4 22 N 7 43 W
 P Q G B T

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 Drevin 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
 Baobab Terminal 4 58 N 4 33 W

P

Vridi 5 14 N 4 00 W **81B**
 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

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 **81C**
 Keta 5 54 N 1 00 E

TOGO

Lome 6 08 N 1 17 E
 P Y G C R B T A

Kpeme 6 12 N 1 31 E
 Y T 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 **81D**
 Lagos 6 26 N 3 24 E
 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 T

Erha Terminal 5 36 N 4 36 E
 Ukpokiti Terminal 5 44 N 4 50 E
 Escravos Terminal 5 30 N 5 00 E
 P T A

Escravos River 5 35 N 5 10 E

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

NIGERIA *continued*

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
 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 A
 Bonga Terminal 4 33 N 4 37 E
 P
 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 T
 Pennington Terminal 4 14 N 5 36 E
 P B
 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 T A
 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
 Okwori Terminal 3 51 N 6 59 E
 P T
 Okono Terminal 3 59 N 7 17 E
 Ima Terminal 4 13 N 7 24 E
 P T
 Opobo 4 35 N 7 32 E
 Odudu Terminal 4 00 N 7 45 E
 P
 Yoho Terminal 4 01 N 7 28 E
 Qua Iboe (Kwa Ibo) Terminal 4 14 N 8 03 E
 P T
 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

CAMEROON

Kole Terminal 4 13 N 8 34 E
 P T
 Moudi Terminal 4 08 N 8 27 E
 P
 Rio del Rey 4 42 N 8 36 E
 Limboh Terminal 4 00 N 9 08 E
 P

82A

82B

82C

82D

Ambas Bay
 Limbe (Victoria) 4 00 N 9 12 E
 Q G B
 Bimbia 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
 Bonaberi 4 04 N 9 41 E
 Manoca 3 52 N 9 37 E
 Suellaba 3 50 N 9 32 E
 Kribi 2 56 N 9 55 E
 G A
 Kome-Kribi 1 Terminal 2 55 N 9 48 E
 P
 Grand Batanga 2 50 N 9 53 E
 Ebome Terminal 2 48 N 9 50 E
 P A
 Campo 2 20 N 9 52 E

EQUATORIAL GUINEA

Serpentina Terminal 3 48 N 8 05 E
 P
 Zafiro Terminal 3 52 N 8 08 E
 P T A
 Bioko Island
 Punta Europa Terminal 3 47 N 8 43 E
 Malabo 3 45 N 8 47 E
 P Y G B T A
 Luba 3 28 N 8 33 E
 G B A
 Utonde 1 55 N 9 48 E
 Ceiba Terminal 1 24 N 9 13 E
 P
 Bata 1 52 N 9 46 E
 P G B T A
 Rio Benito 1 35 N 9 37 E
 Rio Etembue 1 16 N 9 27 E
 Cabo San Juan 1 10 N 9 20 E
 Rio Muni
 Cogo (Puerto Iradier) 1 05 N 9 42 E
 Pagalu Island
 San Juan 1 27 S 5 37 E

SAO TOME and PRINCIPE

Principe Island
 Santo Antonio 1 39 N 7 27 E
 Sao Tome Island
 Sao Tome 0 21 N 6 45 E
 Q G A

GABON

Corisco Bay
 La Mondah 0 35 N 9 33 E
 Kendje 0 30 N 9 30 E
 River Gabon
 Libreville 0 24 N 9 26 E
 P Q G A
 Owendo 0 17 N 9 30 E
 Y G C R B T A
 Pointe Ognone 0 11 S 9 23 E
 Ekoueta 0 16 S 9 17 E
 Sangatanga 0 31 S 9 13 E
 Gangue River 0 45 S 9 05 E
 Port Gentil 0 43 S 8 47 E
 P Q Y G C R B T A
 Cap Lopez 0 38 S 8 42 E
 P B T A
 Oguendjo Terminal 1 27 S 8 55 E
 P T
 Tchatamba Terminal 2 05 S 9 10 E

83A

83B

83C

83D

Gamba Terminal 2 47 S 10 00 E
 P
 Nyanga 3 00 S 10 15 E
 Mayumba 3 23 S 10 38 E
 Y
 Lucina Terminal 3 39 S 10 46 E
 P T A
 Etame Terminal 3 45 S 10 32 E
 P T
 Pointe Banda 3 48 S 11 00 E
 M'bya Terminal 3 53 S 10 56 E

THE CONGO

Yombo Terminal 4 27 S 11 06 E
 P T
 Konkouati 4 00 S 11 13 E
 River Numbi 4 07 S 11 21 E
 Bas Kouilou 4 30 S 11 41 E
 Loango 4 39 S 11 49 E
 Pointe Indienne 4 39 S 11 47 E
 Pointe Noire 4 47 S 11 50 E
 P Q Y G C R T A
 Djeno Terminal 4 56 S 11 54 E
 P B T A
 N'kossa Terminal 5 15 S 11 34 E

ANGOLA (Cabinda Province)

Cacongo (Landana) 5 14 S 12 08 E
 Takula Terminal 5 13 S 11 49 E
 P T A
 Malembo 5 19 S 12 10 E
 Malongo Terminal 5 26 S 12 05 E
 P Q B T A
 Futila Terminal 5 27 S 12 11 E
 P A
 Kuito Terminal 5 28 S 11 30 E
 Cabinda 5 33 S 12 12 E
 G B A
 Sanha Terminal 5 38 S 11 51 E

DEMOCRATIC REPUBLIC OF CONGO (ZAIRE)

Moanda Terminal 5 58 S 12 08 E
 P A
 Banana 6 01 S 12 24 E
 P G C B A
 River Congo (Zaire)
 Boma 5 51 S 13 03 E
 Y G C D T A
 Ikungulu 5 52 S 13 25 E
 Matadi 5 49 S 13 27 E
 P Q Y G C R B T A
 Ango Ango 5 51 S 13 26 E

ANGOLA

Noqui 5 52 S 13 26 E
 Xikomba Terminal 6 03 S 11 02 E
 Sazaire Terminal 6 05 S 12 23 E
 Soyo 6 07 S 12 22 E
 P G B T A
 Essungo Terminal 6 20 S 12 10 E
 P
 Kizomba A Terminal 6 19 S 11 03 E
 Kizomba B Terminal 6 21 S 11 09 E
 Lombo Terminal 6 50 S 12 21 E
 Palanca Terminal 6 57 S 12 24 E
 P T
 Canuku Terminal 7 06 S 12 28 E
 P T
 N'zeto (Ambrizete) 7 16 S 12 51 E

84A

84B

84C

84D

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

GEOGRAPHIC INDEX

97

Girassol Terminal 7 39 S 11 41 E
P

Ambriz 7 50 S 13 06 E
GB

Capulo 7 59 S 13 10 E
Barra do Dande 8 29 S 13 20 E
Luanda 8 48 S 13 15 E
PYGCRBDA

Porto Amboim 10 44 S 13 45 E
YG

Sumbe 11 12 S 13 50 E
Lobito 12 20 S 13 34 E
PYGCRBDA

Benguela 12 35 S 13 24 E
Farta Bay 12 37 S 13 12 E
Cuio 12 59 S 12 59 E
Lucira Grande 13 52 S 12 31 E
River Sao Nicolau 14 15 S 12 20 E
Baba 14 50 S 12 14 E
Porto Saco (Porto Salazar) 15 08 S 12 08 E
Namibe (Mocamedes) 15 12 S 12 09 E
PYGRBTA

Tombua (Porto Alexandre) 15 46 S 11 55 E
Baia dos Tigres 16 31 S 11 46 E

ST. HELENA and Dependencies (United Kingdom)

Ascension Island
Georgetown 7 56 S 14 25 W
PGCA

St. Helena Island
Jamestown 15 55 S 5 43 W
G

Tristan da Cunha Island 37 02 S 12 18 W
Nightingale Island 37 24 S 12 29 W
Gough Island 40 20 S 10 00 W

NAMIBIA (SOUTH WEST AFRICA)

Cape Cross 21 46 S 13 57 E
Swakopmund 22 41 S 14 32 E
Walvis Bay 22 57 S 14 30 E
PQYGCRLBDA

Luderitz 26 38 S 15 09 E
GCTA

Oranjemund Terminal 28 34 S 16 22 E

SOUTH AFRICA

Port Nolloth 29 15 S 16 52 E
Hondekop Bay 30 19 S 17 16 E
St. Helena Bay 32 45 S 18 10 E
Saldanha Bay 33 03 S 17 56 E
QYGRBTA

Dassen Island 33 25 S 18 05 E
Robben Island 33 48 S 18 22 E
Table Bay
Cape Town 33 55 S 18 26 E
PYGCRBDA

Hout Bay 34 03 S 18 21 E
Slangkop Point 34 09 S 18 19 E
Cape of Good Hope 34 21 S 18 28 E
Cape Point 34 21 S 18 30 E
Simonstown 34 11 S 18 26 E
Cape Agulhas 34 50 S 20 01 E
Mossel Bay 34 11 S 22 10 E
PGBTAA

Knysna 34 05 S 23 04 E
St. Francis Bay 34 12 S 25 00 E
Cape Recife 34 02 S 25 42 E
Algoa Bay
Port Elizabeth 33 58 S 25 38 E
PYGCRBTA

Ngqura 33 47 S 25 41 E
East London 33 02 S 27 55 E
PYGCRBDA

Port St. Johns 31 37 S 29 33 E

85A

Port Shepstone 30 45 S 30 28 E
Durban 29 52 S 31 02 E
PQYGCRLBDA

Richards Bay 28 48 S 32 06 E
QYGRBTA

MOZAMBIQUE

Ponta Dabela 26 31 S 32 55 E
Maputo 25 59 S 32 36 E
PQYGCRLBDA

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
PQYGCRLBDA

Chinde 18 35 S 36 28 E
Quelimane 17 53 S 36 53 E
GCA

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
PYGCBT

Belmore 14 23 S 40 42 E
Pemba 12 57 S 40 30 E
GCBAA

Ibo 12 20 S 40 37 E
Mocimboa da Praia 11 20 S 40 25 E
Cape Delgado 10 41 S 40 38 E

COMOROS

Grand Comore Island
Moroni 11 42 S 43 15 E
PYGCA

Anjouan Island
Mutsamudu 12 10 S 44 24 E
PGRBTA

Moheli Island
Foumbouni 12 17 S 43 44 E

MAYOTTE (France)

Mayotte Island
Dzaoudzi 12 47 S 45 15 E
PGA

Longoni 12 43 S 45 09 E
PYGCBLTA

MADAGASCAR

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

Ankify 13 32 S 48 20 E
Nosy Be
GTA

Hellville 13 24 S 48 17 E
Anlalava 14 37 S 47 46 E
Narendry Bay 14 40 S 47 28 E
Mahajanga 15 43 S 46 19 E
PQGA

Amboanio 15 50 S 46 21 E
Boanamary 15 50 S 46 19 E
Juan de Nova Island (France)
17 03 S 42 43 E
Maintirano 18 04 S 44 01 E
Ilot Indien 19 48 S 44 24 E
Morondava 20 17 S 44 16 E
Morombe 21 46 S 43 20 E
Toliary (Toliara) 23 22 S 43 40 E
GA

86A

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

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
Vatomandry 19 20 S 48 59 E
Andevoranto 18 56 S 49 09 E
Toamasina 18 09 S 49 25 E
PYGCRBTA

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
Voahemary 13 21 S 50 00 E
Antsiranana 12 16 S 49 18 E
PGCTA

REUNION (France)

PQYGCRLBTA

Pointe des Galets 20 55 S 55 17 E
La Possession 20 55 S 55 20 E
St. Denis 20 52 S 55 27 E

MAURITIUS

Port Louis 20 09 S 57 29 E
PQYGCBLBDA

Rodrigues Island 19 41 S 63 25 E

SEYCHELLES

Mahe Island
Port Victoria 4 37 S 55 27 E
PYGCTA

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
PGCRA

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
PQGCRLBDA

Zanzibar Island
Zanzibar 6 10 S 39 11 E
PGTA

Pangani 5 27 S 39 00 E
Tanga 5 04 S 39 06 E
PQYGCRLBTA

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

KENYA

Mombasa 4 04 S 39 41 E
PQYGCRLBDA

Kilifi 3 39 S 39 52 E
Malindi 3 13 S 40 07 E
Lamu 2 18 S 40 55 E
GTA

87A

87B

87C

87D

85B

86B

86C

86D

p.10/11

85C

p.34/35

85D

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

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
 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 L 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'awa) 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
 Oseif 21 40 N 36 50 E

EGYPT

Berenice 23 56 N 35 29 E
 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 Gamsa 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
 Ras Shukheir Terminal 28 08 N 33 17 E
 P T
 Ras Gharib 28 21 N 33 07 E
 P B

88A

Ain Sukhna Terminal 29 35 N 32 20 E
 P T A
 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. 75A)
 Ras Misalla 29 49 N 32 37 E
 Ras Sudr Terminal 29 35 N 32 41 E
 P A
 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 A

88B

Abu Rudeis 28 54 N 33 10 E
 Wadi Feiran Terminal 28 45 N 33 12 E
 P
 El Tur 28 13 N 33 37 E
 Y G C R B A
 Sharm el Sheikh 27 51 N 34 17 E
 R B A
 Nuweiba 28 58 N 34 38 E
 R B 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 B
 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

88C

p.33

88D

89A

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 B 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
 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 Y T A
 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 T 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
 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 L 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

90A

90B

p.37

90C

90D

p.34/35

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

GEOGRAPHIC INDEX

99

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
 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

91A

KUWAIT
 Khor al Mufatta 28 39 N 48 23 E
G A
 Khor al Ami 28 40 N 48 23 E
 Mina Saud 28 45 N 48 26 E
P B T A
 Mina Abdulla 29 01 N 48 10 E
P B A
 Shuaiba 29 02 N 48 10 E
P Y G C R B T A
 Mina al Ahmadi 29 04 N 48 09 E
P Q B T A
 Kubbar Island 29 04 N 48 34 E
 Sea Island Terminal 29 07 N 48 17 E
 Kuwait (Al Kuwait) 29 21 N 47 56 E
Y G C R B D T A

92A

Sirri Island 25 54 N 54 33 E
P T A
 Abu Musa 25 33 N 55 02 E
 Bandar Lengeh (Lingah) 26 33 N 54 53 E
 Qeshm Island
 Qeshm 26 58 N 56 16 E
 Kaveh 26 56 N 56 01 E
 Salakh 26 41 N 55 42 E
 Henjam (Hangam) Island 26 39 N 55 54 E
 Bandar Shahid Rejaie 27 06 N 56 04 E
 Bandar Shahid Bahonar 27 08 N 56 12 E
 Bandar Abbas 27 12 N 56 15 E
P Q Y G C R B D T A
 Hormuz Island 27 04 N 56 28 E
 Hormuz Terminal 26 50 N 56 44 E
 Jask 25 39 N 57 46 E
 Ras Maidani 25 24 N 59 06 E
 Chah Bahar 25 20 N 60 32 E
Y G C B T A

93A

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 B T
 Abu al Bukhoosh Terminal 25 29 N 53 08 E
 Ruwais (Ar Ruays) 24 09 N 52 43 E
P Q G B
 Jebel Dhanna (Jabal az Zannah) Terminal
 24 13 N 52 40 E
P T
 Arzanah Island 24 47 N 52 34 E

91B

IRAQ
 Umm Qasr 30 02 N 47 57 E
Y G C R B T A
 Khor al Zubair 30 11 N 47 54 E
Q Y G
 Al Basra Terminal (Mina al Bakr Terminal)
 29 41 N 48 48 E
P B T
 Khor al Amaya Terminal 29 47 N 48 48 E
P T
 Shatt al Arab
 Fao (Al Faw) 29 59 N 48 28 E
 Kabda 30 11 N 48 25 E
 Abu Fulus 30 27 N 48 02 E
 Basrah 30 30 N 47 49 E

92B

PAKISTAN
 Gwadar 25 06 N 62 24 E
P Y G C R T
 Pasni 25 15 N 63 28 E
 Sonmiani Bay
 Sonmiani 25 25 N 66 40 E
 Ormara 25 06 N 64 38 E
 Gadani Beach 25 06 N 66 43 E
 Karachi 24 50 N 67 00 E
P Q Y G C R B D T A
 Korangi 24 48 N 67 08 E
 Phitti Creek
 Port Muhammad Bin Qasim
 24 46 N 67 21 E
P Q Y G C B T A
INDIA
 Jakhau 23 14 N 68 35 E
 Mandvi 22 49 N 69 21 E
Y B T A
 Mundra 22 54 N 69 42 E
P Q Y G C B T A
 Kandla 23 02 N 70 13 E
P Q Y G C B D T A
 Navlakhi 22 58 N 70 27 E
Y G T
 Bedi 22 31 N 70 02 E
Y G B T A
 Jamnagar Terminal 22 30 N 69 50 E
P Q B T A
 Rozi Island 22 32 N 70 03 E
 Sachana 22 32 N 69 57 E
 Sikka 22 34 N 69 48 E
P Q Y B T A
 Vadinar Terminal 22 30 N 69 42 E
P T A
 Salaya 22 18 N 69 35 E
 Port Okha 22 28 N 69 05 E
P Y G B T
 Dwarka 22 15 N 68 58 E
 Porbandar 21 36 N 69 36 E
Q Y G B T A
 Mangrol 21 06 N 70 06 E
 Veraval 20 54 N 70 22 E
Y G T A
 Diu 20 43 N 70 59 E
 Jafarabad 20 52 N 71 22 E
Y G B A
 Rajula 20 57 N 71 32 E
 Pipavav 20 59 N 71 34 E
P Q Y G C T A
 Alang 21 24 N 72 09 E

93B

p.40

QATAR
 Mesaieed (Umm Said) 24 55 N 51 35 E
P Q Y G C B D T A
 Wakrah 25 10 N 51 38 E
 Doha (Ad Dawhah) 25 17 N 51 32 E
G C B T A
 Halul Island Terminal 25 40 N 52 25 E
P T
 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

91C

IRAN
 Khorramshahr 30 20 N 48 10 E
Y G C B T A
 River Karun
 Ahvaz 31 29 N 48 43 E
 Hartah Point 30 23 N 48 11 E
 Abadan 30 20 N 48 17 E
G C R B T A
 Bavareh 30 19 N 48 18 E
 Khor Musa
 Bandar Imam Khomeini (Bandar
 Shahpour) 30 25 N 49 04 E
P Q Y G C R B T A
 Bandar Mahshahr 30 28 N 49 11 E
P Q Y G C R B T A
 Ras Bahregan Terminal 29 47 N 50 11 E
P T

92C

93C

BAHRAIN
 Sitra Island
 Sitra 26 10 N 50 40 E
P Q 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 T A
 Ras al Ghar 26 53 N 49 52 E
 Jubail 27 01 N 49 39 E
Y G C R B T A
 King Fahd Port 27 05 N 49 41 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

91D

Imam Hasan 29 48 N 50 11 E
 Ganaveh 29 34 N 50 31 E
 Kharg Island 29 14 N 50 19 E
P Q B T A
 Darius Terminal 29 12 N 50 20 E
 Sea Island Terminal 29 14 N 50 17 E
 Soroosh (Cyrus) Terminal 29 02 N 49 28 E
P T
 Bushire (Bushehr) 28 59 N 50 50 E
Q Y G B T A
 Bandar Taheri 27 39 N 52 21 E
 Asaluyeh Terminal 27 31 N 52 32 E
P
 Lavan Island 26 47 N 53 20 E
P B A

92D

93D

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

INDIA continued

Bhavnagar 21 45 N 72 14 E
 Y G B T A
 Dholera 22 14 N 72 17 E
 Khambat 22 19 N 72 37 E
 Dahej 21 43 N 72 35 E
 P Q T
 Hazira 21 06 N 72 39 E
 Q T
 Tapti River
 Magdalla 21 08 N 72 44 E
 Q Y G D T A
 Surat 21 10 N 72 54 E
 Daman 20 25 N 72 49 E
 Dahanu 19 59 N 72 46 E
 Mumbai (Bombay) 18 54 N 72 49 E
 P Q Y G C R B D T A
 Jawaharlal Nehru (Nhava Sheva)
 18 56 N 72 51 E
 P Y C R B T A
 Dharamtar 18 42 N 73 01 E
 Alibag 18 38 N 72 52 E
 Revadanda 18 33 N 72 54 E
 Janjira 18 18 N 72 58 E
 Dighi 18 15 N 72 55 E
 Srivardhan Bay 18 01 N 73 00 E
 Bankot 17 59 N 73 02 E
 Dabhol 17 36 N 73 09 E
 Anjanvel 17 35 N 73 10 E
 Jaigarh 17 18 N 73 12 E
 Mirya Bay
 Bhagwati Bunder 17 00 N 73 16 E
 Ratnagiri 16 59 N 73 17 E
 Malvan 16 05 N 73 30 E
 Vengurla 15 50 N 73 37 E
 Redi 15 45 N 73 40 E
 Y
 Panaji (Panjim) 15 29 N 73 49 E
 G T A
 Aguada 15 29 N 73 47 E
 Mormugao 15 25 N 73 48 E
 P Q Y G C R B D T A
 Betul 15 08 N 73 56 E
 Karwar 14 49 N 74 06 E
 P Y G B T A
 Belekeri 14 42 N 74 15 E
 Y G
 Tadri 14 31 N 74 21 E
 Kumta 14 25 N 74 23 E
 Honavar 14 17 N 74 27 E
 Coondapoor 13 37 N 74 40 E
 Malpe 13 21 N 74 42 E
 G A
 New Mangalore 12 55 N 74 48 E
 P Q Y G C R B T A
 Mangalore 12 50 N 74 49 E
 Kasaragod 12 30 N 75 00 E
 Azhikal 11 57 N 75 18 E
 Cannanore (Kanur) 11 52 N 75 22 E
 Thalassery (Tellicherry) 11 45 N 75 28 E
 G
 Mahe 11 42 N 75 31 E
 Badagara 11 36 N 75 35 E
 Kozhikode (Calicut) 11 16 N 75 46 E
 Beypore 11 10 N 75 48 E
 P Y G B T A
 Tanur 10 59 N 75 52 E
 Ponnani 10 47 N 75 54 E
 Kochi (Cochin) 9 58 N 76 14 E
 P Q Y G C R B D T A
 Alleppey (Alappuzha) 9 30 N 76 19 E
 Neendakara 8 56 N 76 33 E
 G T A

94A

Kollam (Quilon) 8 52 N 76 35 E
 G A
 Thiruvananthapuram (Vizhinjam)
 (Trivandrum) 8 29 N 76 57 E
 Colachel 8 10 N 77 15 E
 Cape Comorin 8 05 N 77 33 E
 Lakshadweep (Laccadive Islands)
 Kiltan Island 11 29 N 73 00 E
 Kadmat Island 11 13 N 72 46 E
 Androth Island 10 49 N 73 40 E
 Kavaratti Island 10 34 N 72 38 E
 Kalpeni Island 10 06 N 73 39 E
 Minicoy Island 8 17 N 73 04 E

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

94B

BRITISH INDIAN OCEAN TERRITORY
 (United Kingdom)

Chagos Archipelago
 Diego Garcia 7 17 S 72 25 E

INDIA

Manappadu 8 22 N 78 01 E
 Tiruchchundur Point 8 30 N 78 08 E
 New Tuticorin 8 45 N 78 13 E
 P Y G C L 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 (Adirampattinam)
 10 20 N 79 23 E
 Point Calimere 10 17 N 79 53 E

94C

SRI LANKA

Point Pedro 9 50 N 80 15 E
 Point Palmyra 9 50 N 80 17 E
 Mullaitivu 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 T
 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 T

94D

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
 Q
 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

95A

Cuddalore 11 42 N 79 46 E
 Y G T
 Pondicherry 11 56 N 79 50 E
 Y G T
 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
 Y

p.34/35

Muttukuru 14 21 N 80 09 E
 Nizimpatnam 15 56 N 80 44 E
 Machilipatnam (Masulipatam)
 16 10 N 81 12 E
 G T A

95B

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 T A
 Visakhapatnam 17 42 N 83 18 E
 P Q Y G C B D T A

96A

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

96B

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

p.40

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

96C

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

BANGLADESH

Pussur River
 Mongla 22 27 N 89 35 E
 Q Y G C B T A
 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

96D

95D

MYANMAR

Maungdaw 20 49 N 92 22 E
 River Kaladan

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

GEOGRAPHIC INDEX 101

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 [] [] [] [] [] [] [] [] [] [] [] []
 Thaton 16 56 N 97 21 E
 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

97A
 p.41
 97B
 p.40
 97C
 97D

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
 Tambeibui 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

THAILAND
 Ranong 9 57 N 98 37 E
 G T A [] [] [] [] [] [] [] [] [] [] [] []
 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

MALAYSIA
 PENINSULAR MALAYSIA
 Pulau Langkawi
 P Y G [] [] [] [] [] [] [] [] [] [] [] []
 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 L 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 T A [] [] [] [] [] [] [] [] [] [] [] []
 Pulau Pangkor 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
 Baglan 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 B T A [] [] [] [] [] [] [] [] [] [] [] []
 Tanjung Bruas 2 13 N 102 09 E
 Malacca (Melaka) 2 11 N 102 15 E
 P G A [] [] [] [] [] [] [] [] [] [] [] []
 Muar 2 00 N 102 24 E
 Batu Pahat 1 47 N 102 53 E
 Pulau Pisang 1 28 N 103 15 E
 Tanjung Pelepas 1 21 N 103 33 E
 C B T A [] [] [] [] [] [] [] [] [] [] [] []
 Johore Bahru 1 28 N 103 50 E
 Pasir Gudang 1 26 N 103 54 E
 P Q Y G C R L B D T A [] [] [] [] [] [] [] [] [] [] [] []
 Tanjung Langsat 1 28 N 104 01 E
 P Q A [] [] [] [] [] [] [] [] [] [] [] []

SINGAPORE
 Seletar 1 25 N 103 50 E
 Sembawang 1 28 N 103 50 E
 Woodlands 1 27 N 103 47 E
 Changi 1 23 N 103 59 E
 Jurong Port 1 18 N 103 43 E
 Y C G [] [] [] [] [] [] [] [] [] [] [] []
 Tanjung Penjuru 1 18 N 103 45 E
 Pulau Merlimau 1 17 N 103 43 E
 Pulau Ayer Chawan 1 17 N 103 42 E
 Pulau Sakra 1 15 N 103 42 E
 Selat Sinki 1 13 N 103 40 E
 Pulau Sebarok 1 12 N 103 48 E
 Pulau Bukom 1 14 N 103 46 E
 P Q B T [] [] [] [] [] [] [] [] [] [] [] []
 Pasir Panjang 1 16 N 103 47 E
 Singapore 1 16 N 103 50 E
 P Q Y G C R B D T A [] [] [] [] [] [] [] [] [] [] [] []
 Tanjung Pagar 1 16 N 103 51 E
 Tanjung Rhu 1 18 N 103 52 E

MALAYSIA
 PENINSULAR MALAYSIA
 Telok Ramunia 1 21 N 104 14 E
 Endau 2 40 N 103 38 E
 Kuala Rompin 2 45 N 103 36 E
 Nenas 3 08 N 103 27 E
 Pekan 3 29 N 103 24 E
 Kuala Pahang 3 32 N 103 27 E
 Kuantan 3 58 N 103 26 E
 P Q Y G C R B T A [] [] [] [] [] [] [] [] [] [] [] []
 Udang Terminal (Indonesia) 4 02 N 106 30 E
 Belida Terminal (Indonesia) 4 08 N 105 08 E
 Belanak Terminal (Indonesia) 4 10 N 106 14 E
 Tanjung Gelang 4 10 N 103 26 E
 Kemaman 4 11 N 103 30 E
 P Q Y G B T A [] [] [] [] [] [] [] [] [] [] [] []
 Tanjung Sulong 4 14 N 103 28 E
 Tanjung Berhala 4 15 N 103 28 E
 Kerteh Terminal 4 31 N 103 33 E
 P T A [] [] [] [] [] [] [] [] [] [] [] []
 Malong Terminal 4 38 N 104 49 E
 Dungun 4 47 N 103 26 E

98A
 98B
 p.42/43
 98C
 98D
 p.41

Kakap Terminal (Indonesia) 5 01 N 105 57 E
 Anoa Terminal (Indonesia) 5 13 N 105 36 E
 P [] [] [] [] [] [] [] [] [] [] [] []
 Kuala Terengganu 5 20 N 103 09 E
 Dulang Terminal 5 49 N 104 10 E
 P T [] [] [] [] [] [] [] [] [] [] [] []
 Kelantan River
 Kota Baharu 6 08 N 102 14 E
 Penara Terminal 6 08 N 105 01 E
 Tumpat 6 13 N 102 11 E
 Bunga Kekwa Terminal 7 03 N 104 05 E

SARAWAK
 Sematan Anchorage 1 53 N 109 49 E
 Lundu 1 40 N 109 52 E
 Sarawak River
 Sijingkat 1 35 N 110 26 E
 Tanjong Pending 1 33 N 110 24 E
 Biawak 1 34 N 110 23 E
 Kuching 1 34 N 110 24 E
 P Y G C R B D T A [] [] [] [] [] [] [] [] [] [] [] []
 Lingga 1 21 N 111 10 E
 Sungei Rajang
 Rajang 2 09 N 111 12 E
 Tanjong Manis 2 09 N 111 21 E
 Y G R B [] [] [] [] [] [] [] [] [] [] [] []
 Sarikei 2 08 N 111 31 E
 G C B A [] [] [] [] [] [] [] [] [] [] [] []
 Binatang 2 10 N 111 38 E
 Sibul 2 17 N 111 49 E
 P G C B A [] [] [] [] [] [] [] [] [] [] [] []
 Sungei Merah 2 19 N 111 49 E
 Y B [] [] [] [] [] [] [] [] [] [] [] []

Bintulu 3 10 N 113 02 E
 P Q Y G C R T A [] [] [] [] [] [] [] [] [] [] [] []
 Tanjong Kidurong 3 16 N 113 03 E
 Suai 3 40 N 113 37 E
 Niah 3 54 N 113 46 E
 Miri 4 23 N 113 59 E
 P Q Y G C R B T A [] [] [] [] [] [] [] [] [] [] [] []
 Lutong Terminal 4 28 N 113 56 E
 Baram 4 36 N 113 58 E

BRUNEI
 Kuala Belait 4 35 N 114 11 E
 P Q G B D A [] [] [] [] [] [] [] [] [] [] [] []
 Seria Terminal 4 43 N 114 19 E
 P B T A [] [] [] [] [] [] [] [] [] [] [] []
 Lumut 4 40 N 114 27 E
 Q T A [] [] [] [] [] [] [] [] [] [] [] []
 Brunei Bay
 Muara Port 5 02 N 115 05 E
 P Y G C R B T A [] [] [] [] [] [] [] [] [] [] [] []
 Bandar Seri Begawan 4 54 N 114 56 E

MALAYSIA
 SARAWAK
 Limbang 4 45 N 115 00 E
BRUNEI
 Tanjong Salirong 4 54 N 115 06 E
 G [] [] [] [] [] [] [] [] [] [] [] []
MALAYSIA
 SARAWAK
 Lawas 4 56 N 115 23 E

99A
 p.42/43
 99B
 99C
 99D

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

MALAYSIA continued

SABAH

Sipitang 5 05 N 115 33 E
 Weston 5 13 N 115 36 E
 Labuan Island
 Victoria 5 17 N 115 14 E
 Labuan Terminal 5 16 N 115 07 E
 Kota Kinabalu 6 00 N 116 04 E
 Sapangar Bay 6 05 N 116 07 E
 Usukan Bay 6 23 N 116 20 E
 Tembungo Terminal 6 38 N 115 47 E
 Kudat 6 52 N 116 50 E
 Jambongan Island 6 40 N 117 30 E
 Sandakan 5 50 N 118 08 E
 Tambisan Island 5 29 N 119 08 E
 Sabahat 5 04 N 119 02 E
 Darvel Bay
 Bakapit 4 57 N 118 35 E
 Kennedy Bay 4 55 N 118 28 E
 Lahad Datu 5 02 N 118 20 E
 Silam 4 57 N 118 14 E
 Bohayan Island 4 48 N 118 19 E
 Kunak 4 41 N 118 15 E
 Semporna 4 29 N 118 37 E
 Port Elphinstone 4 22 N 118 35 E
 Tawau 4 15 N 117 53 E
 Tanjong Batu 4 15 N 117 52 E
 Sebatik Island (Malaysian Sector)
 Wallace Bay 4 15 N 117 40 E

INDONESIA

KALIMANTAN

Sebatik Island (Indonesian Sector)
 Nunukan 4 05 N 117 37 E
 Sebuk Terminal 3 52 N 118 05 E
 Pulau Bunyu 3 27 N 117 49 E
 Sessayap 3 34 N 117 01 E
 Tarakan Island
 Tarakan 3 17 N 117 36 E
 River Berau
 Sokan 2 09 N 117 42 E
 Tanjung Redeb 2 10 N 117 29 E
 Sangkulirang 1 00 N 118 00 E
 Tanjung Bara 0 32 N 117 38 E
 Sangatta Terminal 0 25 N 117 35 E
 Lhotuan 0 11 N 117 30 E
 Bontang 0 06 N 117 29 E
 Santan Terminal 0 07 S 117 32 E
 Samarinda 0 30 S 117 09 E
 Sangasanga 0 36 S 117 12 E
 Bekapai Terminal 1 00 S 117 30 E
 Kuala Samboja 1 01 S 117 05 E
 Senipah Terminal 1 03 S 117 13 E

100A

100B

100C

100D

Balikpapan 1 16 S 116 49 E
 Lawe-Lawe Terminal 1 27 S 116 45 E
 Teluk Adang
 Tanahmerah 1 49 S 116 09 E
 Jangkar 1 49 S 116 06 E
 Tanahgrogot 1 49 S 116 13 E
 Tanjung Berlayar 3 01 S 116 16 E
 Pulau Laut
 Tanjung Pemancingan 3 13 S 116 17 E
 Kota Baru 3 14 S 116 14 E
 Setagin 3 17 S 116 09 E
 Tarjun 3 16 S 116 05 E
 Batu Licin 3 27 S 116 00 E
 Satui 3 49 S 115 29 E
 Taboneo 3 47 S 114 39 E
 Banjarmasin 3 20 S 114 35 E
 River Murung
 Kuala Kapuas 3 00 S 114 22 E
 River Kahayan
 Bahaur 3 18 S 114 02 E
 Pulang Pisau 2 45 S 114 15 E
 Palangkaraya 2 16 S 113 55 E
 Sabangan Bay 3 17 S 113 23 E
 Sampit 2 59 S 113 03 E
 Pangkalan Bun 2 57 S 111 24 E
 Kendawangan 2 28 S 110 11 E
 Ketapang 1 50 S 109 59 E
 Telok Ayer 0 44 S 109 34 E
 Pontianak 0 01 S 109 21 E
 Singkawang 0 55 N 108 58 E
 River Sambas
 Pemangkat 1 08 N 108 55 E
 Sintete 1 13 N 109 03 E
 Sambas 1 22 N 109 18 E

SUMATERA

Sunda Strait
 Lampung Bay
 Tarahan 5 40 S 105 28 E
 Panjang 5 28 S 105 20 E
 Telukbetung 5 27 S 105 16 E
 Semangka Bay
 Kota Agung 5 30 S 104 37 E
 Semangka Bay Terminal
 5 35 S 104 37 E
 Kru 5 11 S 103 56 E
 Bintuhan 4 49 S 103 22 E
 Enggano Island 5 25 S 102 15 E
 Pulau Baai 3 55 S 102 17 E
 Bengkulu 3 47 S 102 15 E
 Pagai Utara Island 2 15 S 100 05 E
 Pagai Selatan Island 3 00 S 100 20 E
 Sipura Island 2 10 S 99 40 E
 Teluk Bungus 1 03 S 100 23 E
 Teluk Bayur 1 00 S 100 21 E
 Padang 0 56 S 100 22 E
 Siberut Island 1 36 S 99 13 E
 Batu Island 0 05 S 98 21 E
 Nias Island
 Gunung Sitoli 1 17 N 97 37 E
 Sibolga 1 44 N 98 46 E
 Barus 2 05 N 98 23 E
 Singkel 2 16 N 97 48 E
 Simeulue Island
 Sinabang 2 29 N 96 23 E
 Tapaktuan 3 16 N 97 12 E

101A

101B

101C

101D

Meulaboh 4 08 N 96 08 E
 Calang 4 37 N 95 35 E
 Lhoknga 5 27 N 95 14 E
 Uleelheue 5 33 N 95 17 E
 Kruengraya (Malahayati) 5 36 N 95 30 E
 Weh Island
 Sabang 5 53 N 95 19 E
 Sigli 5 24 N 95 59 E
 Langsa Terminal 5 19 N 98 03 E
 Krueng Geukueh 5 14 N 97 03 E
 Blang Lancang (Arun) 5 15 N 97 04 E
 Lhokseumawe 5 10 N 97 09 E
 Kuala Beukah Terminal 4 53 N 97 57 E
 Kualalangsa 4 31 N 97 59 E
 Aru Bay
 Sembilan Island 4 08 N 98 15 E
 Pangkalan Susu 4 07 N 98 12 E
 Pangkalan Brandan 4 02 N 98 17 E
 Belawan 3 48 N 98 43 E
 Kuala Tanjung 3 21 N 99 29 E
 River Asahan
 Teluk Nibung 3 00 N 99 49 E
 Tanjung Balai 2 58 N 99 48 E
 Sungei Bila
 Labuhan Bilik 2 31 N 100 10 E
 Pulau Halang 2 11 N 100 40 E
 Bagan Si Api Api 2 09 N 100 48 E
 Dumai 1 41 N 101 27 E
 Siak River
 Siak 0 45 N 102 05 E
 Buatan 0 43 N 101 50 E
 Kuala Mandau 0 47 N 101 47 E
 Perawang 0 39 N 101 37 E
 Rumbai 0 33 N 101 30 E
 Pekanbaru 0 33 N 101 27 E
 Bengkalis 1 28 N 102 06 E
 Sungei Pakning 1 22 N 102 11 E
 Lalang Terminal 1 11 N 102 13 E
 Selatpanjang 0 58 N 102 40 E
 Pulau Sambu 1 09 N 103 54 E
 Pulau Batam
 Kabil 1 05 N 104 08 E
 Batu Ampar 1 10 N 104 00 E
 Sekupang 1 08 N 103 56 E
 Bintan Island
 Tanjung Uban 1 04 N 104 13 E
 Tanjung Pinang 0 56 N 104 27 E
 Kijang Strait
 Kijang 0 51 N 104 37 E
 Tembilahan 0 20 S 103 10 E
 Selajar Island
 Penuba 0 20 S 104 28 E
 Singkep Island
 Dabo 0 30 S 104 34 E
 Kuala Enok 0 32 S 103 24 E
 Kualatungkal 0 48 S 103 27 E
 Muarasabak 1 08 S 103 48 E
 River Jambi
 Jambi (Telanaipura) 1 35 S 103 37 E

102A

102B

102C

102D

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

GEOGRAPHIC INDEX

103

River Banyu Asin
 Tanjung Apiapi 2 17 S 104 51 E
 Lalang River 2 22 S 104 38 E
 Musi River
 Sungei Gerong 2 59 S 104 51 E
 Plaju 2 59 S 104 50 E
 Pusri 2 59 S 104 47 E
 Palembang 2 59 S 104 46 E
 P Q Y G C B D T A
 Bangka Island
 Exspan Terminal 1 50 S 105 08 E
 Muntok 2 04 S 105 10 E
 Belinyu 1 39 S 105 47 E
 Sungei Liat 1 51 S 106 08 E
 Pangkalbalam 2 06 S 106 10 E
 P G C B T A
 Pangkalpinang 2 08 S 106 09 E
 Toboali 3 01 S 106 27 E
 Belitung Island
 Tanjung Pandan 2 45 S 107 38 E
 G T A
 Manggar 2 50 S 108 10 E

103A

Camplong 7 12 S 113 42 E
 Branta 7 13 S 113 27 E
 Madura Terminal 6 47 S 112 58 E
 Kangean Islands
 Pagerungan Terminal 6 58 S 115 57 E
 Gresik 7 09 S 112 39 E
 P Q Y G A
 Tanjung Perak 7 12 S 112 43 E
 Surabaya 7 12 S 112 44 E
 P Q Y G C R B T A
 Pasuruan 7 37 S 112 53 E
 Probolinggo 7 43 S 113 13 E
 P Q Y G T A
 Panarukan 7 42 S 113 56 E
 G T
 Kalbut 7 37 S 113 59 E
 Situbondo (Silanga) 7 42 S 114 07 E
 Jangkar 7 40 S 114 10 E
 Meneng 8 07 S 114 23 E
 P G B T
 Tanjung Wangi (Banyuwangi)
 8 12 S 114 23 E
 Cilacap 7 44 S 109 00 E
 P Q Y G B T A
 Jawa Head 6 46 S 105 12 E
 Christmas Island (Australia)
 Flying Fish Cove 10 25 S 105 43 E
 P Y G B A
 Cocos (Keeling) Islands (Australia)
 Port Refuge 12 06 S 96 52 E
 Bali Island
 Gilimanuk 8 10 S 114 26 E
 G R
 Celukan Bawang 8 11 S 114 50 E
 G A
 Buleleng 8 06 S 115 06 E
 Manggis 8 29 S 115 31 E
 Labuan Amuk 8 33 S 115 33 E
 Benoa 8 45 S 115 15 E
 P G A
 Lombok Island
 Lembar (Ampenan) 8 34 S 116 04 E
 P Y G B A
 Labuan Haji 8 42 S 116 34 E
 Sumbawa Island
 Tanjung Benete 8 53 S 116 44 E
 Kempo 8 40 S 118 11 E
 Bima 8 25 S 118 43 E
 Tanjung Maloh 8 54 S 116 44 E
 Badas 8 30 S 117 26 E
 Sumba Island
 Waingapu 9 37 S 120 13 E
 Flores Island
 Ende 8 51 S 121 39 E
 Larantuka 8 20 S 123 00 E
 Maumere 8 36 S 122 13 E
 G B T A
 Timor Island
 Kupang 10 10 S 123 34 E
 P Y G R B T A
 Atapupu 9 02 S 124 53 E

103B

103C

103D

JAWA
 Anyer 6 02 S 105 56 E
 Cigading 6 01 S 105 57 E
 Y G B T
 Banten 6 01 S 105 58 E
 P Y G C T
 Prointal 5 57 S 106 00 E
 Tanjung Gerem 5 56 S 105 59 E
 Merak 5 56 S 105 58 E
 P Q Y G C B
 Tanjung Sekong 5 55 S 106 00 E
 P Q G B
 Suralaya 5 53 S 106 01 E
 Bojonegara 5 57 S 106 05 E
 Serang 6 07 S 106 09 E
 Cinta Terminal 5 27 S 106 14 E
 P T A
 Intan Terminal 4 35 S 106 39 E
 Widuri Terminal 4 40 S 106 39 E
 Jakarta 6 06 S 106 52 E
 P Q Y G C R B D T A
 Cengkareng Terminal 6 00 S 106 44 E
 Tanjung Priok 6 05 S 106 53 E
 Bima Terminal 5 45 S 107 05 E
 Tanjung Bungin 5 56 S 107 06 E
 Arjuna Terminal 5 53 S 107 45 E
 P Q
 Pamanukan 6 12 S 107 46 E
 Indramayu 6 19 S 108 19 E
 Balongan Terminal 6 16 S 108 27 E
 P T A
 Cirebon 6 41 S 108 33 E
 Y G C B D T A
 Tegal 6 51 S 109 08 E
 G B T
 Pekalongan 6 52 S 109 41 E
 Semarang 6 58 S 110 25 E
 P Q Y G C B T A
 Jepara 6 35 S 110 39 E
 Taju 6 32 S 111 03 E
 Rembang 6 41 S 111 20 E
 Lasem 6 41 S 111 26 E
 Kampung Bantjar 6 48 S 111 45 E
 Tuban 6 46 S 111 57 E
 P B
 Camar Terminal 6 18 S 113 00 E
 Bawean Island
 Sangkapura 5 52 S 112 41 E
 Madura Island
 Bangkalan 7 02 S 112 44 E
 Sumenep Bay
 Kalianget 7 04 S 113 57 E
 G R A

104A
 IRIAN JAYA
 Merauke 8 28 S 140 23 E
 G A
 Amamapare 4 49 S 136 58 E
 Y B T A
 Adi Island
 Mangawitoe 4 13 S 133 29 E
 Kaimana 3 39 S 133 46 E
 Fak Fak 2 56 S 132 18 E
 G A
 Babo 2 33 S 133 26 E
 Sungei Muturi
 Muturi 2 12 S 133 42 E
 Steenkool 2 07 S 133 31 E
 Salawati 1 21 S 130 59 E
 Kasim 1 18 S 131 01 E
 P B T A
 Mlsool Terminal 1 33 S 130 31 E
 P
 Sorong 0 53 S 131 14 E
 P G C R B T A
 Manokwari 0 52 S 134 05 E
 P G R A
 Nabire 3 23 S 135 31 E
 Biak Island
 Biak 1 10 S 136 04 E
 P Y G C B A
 Humboldt Bay 2 35 S 140 47 E
 Jayapura 2 32 S 140 43 E
 P G C R B A
 MALUKU (MOLUCCAS)
 Halmahera Island
 Tobelo 1 44 N 128 00 E
 Galeia 1 49 N 127 49 E
 Jailolo 1 06 N 127 27 E
 Sidangoli 0 53 N 127 29 E
 Payahe 0 22 N 127 42 E
 Buli 0 52 N 128 17 E
 Gebe Island
 Tanjung Sofa 0 03 N 129 17 E
 Tanjung Ubulie 0 03 S 129 23 E
 Buru Island
 Namlea 3 15 S 127 05 E
 Geser Island 3 52 S 130 53 E
 Banda Island
 Naira 4 33 S 129 54 E
 Seram Island
 Waisarissa 3 12 S 128 16 E
 Wahai Bay 2 47 S 129 30 E
 Bula 3 05 S 130 29 E
 P T
 Masohi 3 19 S 128 59 E
 Amahai 3 19 S 128 56 E
 Ambon Island
 Wayame 3 40 S 128 10 E
 Ambon 3 42 S 128 10 E
 P G C R B T A
 Buru Island 3 06 S 126 06 E
 Sula Islands
 Taliabu Island 0 02 S 125 00 E
 Mangole Island
 Mangole 1 56 S 125 50 E
 Obi Island 1 30 S 127 40 E
 Bacan Island
 Labuha 0 38 S 127 28 E
 Ternate Island
 Ternate 0 47 N 127 23 E
 P G C T A
 Talaud Island 4 14 N 126 47 E
 Sangihe Island
 Tahuna 3 35 N 125 30 E
 Siau Island
 Ondong 2 45 N 125 22 E
 Mahuneni 2 39 N 125 22 E

104B

104C

104D

104D

105A

105B

105C

105D

EAST TIMOR (TIMOR LESTE)

Dili 8 32 S 125 34 E
 Com 8 21 S 127 02 E
 Aliambata 8 48 S 126 35 E

INDONESIA

Moa Island
 Kaiwatu 8 06 S 127 49 E
 Tanimbar Islands
 Yandema
 Saumlaki 8 00 S 131 17 E
 Aru Islands
 Dobo 5 46 S 134 13 E
 Benjina 6 03 S 134 16 E

INDONESIA *continued*

SULAWESI

Bitung 1 26 N 125 11 E

P G C R B T A

Belang 0 55 N 124 48 E
Gorontalo 0 30 N 123 03 E

P G A

Tilamuta 0 29 N 122 21 E
Libuo 0 27 N 122 00 E
Bumbulan 0 28 N 122 04 E
Marisa 0 27 N 121 56 E
Moutong 0 27 N 121 13 E
Tomini 0 30 N 120 33 E
Parigi 0 50 S 120 13 E
Poso 1 23 S 120 45 E
Ampana 0 52 S 121 35 E
Banggai IslandBanggai 1 30 S 123 31 E
Bunta 0 49 S 122 10 E
Luwuk 0 56 S 122 47 E
Batu 1 15 S 122 34 E
Kendari 3 58 S 122 35 E

P G C B A

Baubau 5 27 S 122 36 E
Pomalaa 4 10 S 121 35 E
Kolaka 4 03 S 121 35 E
Mangkasa Terminal 2 44 S 121 04 E
Malili 2 38 S 120 59 E
Palopo 2 59 S 120 13 E
Kajang 5 20 S 120 22 E
Bonthain 5 33 S 119 57 E
Makassar (Ujung Pandang) 5 08 S 119 24 E

P Q Y G C R B T A

Biringkassi 4 49 S 119 30 E
Pare Pare 4 00 S 119 37 E

P G R B

Majene 3 33 S 118 58 E
Mamuju 2 41 S 118 55 E
Sampaga 2 18 S 119 09 E
Kambunong 1 57 S 119 17 E
Karosa 1 46 S 119 21 E
Pantoloan 0 42 S 119 51 E

P G C R B T A

Palu 0 52 S 119 51 E
Tanjung Oogogili 0 48 N 120 30 E
Tolitoli 1 05 N 120 48 E
Buol 1 10 N 121 27 E
Kuangang 0 51 N 122 55 E
Inobonto 0 55 N 124 06 E
Amurang 1 12 N 124 34 E
Manado (Menado) 1 30 N 124 50 E

PHILIPPINES

Palawan Island

Babuyan 9 59 N 118 54 E
Matinloc Terminal 11 29 N 119 01 E
Cadlao Terminal 11 20 N 118 59 E
Nido Terminal 11 03 N 118 49 E
Boayan Island 10 33 N 119 07 E
Port Barton 10 29 N 119 15 E
Ulugan Bay 10 10 N 118 48 E
Rio Tuba 8 30 N 117 25 E
Brooke's Point 8 46 N 117 49 E
Puerto Princesa 9 45 N 118 44 E

P Y G C R B T

West Linapacan Terminal
11 49 N 119 07 E

Malampaya Terminal 11 31 N 119 07 E

P

Cuyo Islands

Cuyo 10 52 N 121 03 E

Calamian Islands

Busuanga Island
Port Calton 12 11 N 120 06 E
Coron 12 00 N 120 12 E

Semirara Island

Dapdap 12 03 N 121 22 E

Mindoro Island

San Jose 12 25 N 121 03 E
Mangarin 12 20 N 121 04 E
Bongabong 12 45 N 121 29 E

106A

106B

106C

106D

p.44

Quinabigan 12 58 N 121 28 E
Naujan 13 20 N 121 18 E
Calapan 13 23 N 121 10 E
San Teodoro 13 26 N 121 01 E

Luzon Island

Lokanin Point 14 29 N 120 37 E
Lamao 14 31 N 120 36 E
Bataan 14 32 N 120 37 E
Quitang Point 14 33 N 120 36 E
Limay 14 34 N 120 36 E

P Y G B T

Navotas 14 39 N 120 57 E
Manila 14 35 N 120 58 E

P Q Y G C R B D A

Cavite 14 30 N 120 55 E
Rosario 14 25 N 120 51 E
Nasugbu 14 05 N 120 38 E
Calaca 13 55 N 120 48 E
Bauan 13 45 N 121 03 E

Y G C R

Batangas 13 45 N 121 03 E

P Q Y G C R B D T

Tabangao 13 43 N 121 03 E
Castanas 13 53 N 121 33 E
Pagbilao 13 51 N 121 45 E

Y

Marinduque Island

Gasan 13 20 N 121 51 E
Pangi 13 20 N 121 50 E
Port Balanacan 13 32 N 121 52 E
Balogo 13 31 N 122 03 E
Santa Cruz 13 30 N 122 03 E

Y G B T A

Masagasai Bay 13 25 N 122 06 E

Luzon Island

Catanauan 13 35 N 122 19 E
Pasacao 13 29 N 123 02 E
Sorsogon 12 58 N 124 00 E
Magallanes 12 50 N 123 51 E
Bulan 12 40 N 123 52 E
Matnog 12 35 N 124 05 E
Legazpi 13 09 N 123 45 E

P Q Y G R B T A

Tabaco 13 22 N 123 44 E

Y G B A

Nato 13 36 N 123 34 E
Sabang 13 43 N 123 35 E
Catanduanes IslandVirac 13 35 N 124 14 E
Lamit Bay 13 58 N 123 32 E
Tandoc 14 03 N 123 18 E

G

Daet River

Mercedes 14 07 N 123 00 E
Paracale 14 17 N 122 47 E
Jose Panganiban 14 19 N 122 40 E

P G B A

Larap Bay 14 18 N 122 38 E
Dahikan IslandsDahikan Bay 14 19 N 122 36 E
Capalonga 14 21 N 122 31 ELamon Bay
Hondagua 13 57 N 122 14 E
Sain 13 57 N 122 01 E
Atimonan 14 00 N 121 55 E
Mauban 14 11 N 121 44 E
Puerto Real 14 45 N 121 36 E

Polillo Island

Polillo 14 45 N 121 54 E
Dingalan Bay 15 15 N 121 26 E
Baler 15 45 N 121 34 E
Casiguran 16 17 N 122 07 E
Diapitan Bay 16 25 N 122 14 E
San Vicente 18 30 N 122 08 E

Batan Island

Basco 20 27 N 121 58 E
Port Irene 18 23 N 122 06 E

G T A

Cagayan River

Aparri 18 21 N 121 38 E

P G B T A

107A

107B

107C

107D

Lallo 18 12 N 121 39 E
Pamplona 18 30 N 121 22 E
Abulug 18 27 N 121 27 E
Claveria 18 37 N 121 05 E

Y G T A

Laoag 18 12 N 120 36 E
Currimao 17 59 N 120 29 E

P Y G

Badoc 17 55 N 120 28 E
Salomague 17 48 N 120 24 E
Tagudin 16 57 N 120 26 E
Carlatan 16 38 N 120 19 E
San Fernando Harbour

P Y G B T

Poro 16 37 N 120 19 E
Rabon 16 12 N 120 24 E
Lingayen 16 01 N 120 13 E
Sual 16 04 N 120 06 E
Bolinao 16 24 N 119 54 E
Santa Cruz (Luzon Island)
15 44 N 119 52 E

Y A

Bani 15 33 N 119 56 E
Masinloc 15 32 N 119 57 E

Y B T

Port Matalvi 15 29 N 119 55 E
Subic Bay 14 47 N 120 14 E

P Y G C R B D T A

Olongapo 14 48 N 120 16 E
Mariveles 14 25 N 120 30 E

P Q Y G B D T

Romblon Island

Romblon 12 35 N 122 16 E

Masbate Island

Colorada Point 12 33 N 123 23 E
Port Barrera 12 33 N 123 24 E
Masbate 12 12 N 123 37 E

Santo Nino Island

Santo Nino 11 55 N 124 26 E

Samar Island

Catbalogan 11 47 N 124 53 E
Calbayog 12 04 N 124 36 E
Pambuhan 12 33 N 124 55 E
Laoang 12 34 N 125 01 E
Port Libas 11 46 N 125 28 E
Borongon 11 37 N 125 28 E
Hernani 11 19 N 125 37 E
Port General MacArthur
11 15 N 125 33 E

Leyte Island

Tacloban 11 15 N 125 00 E

P Y G C R B A

Tanauan 11 07 N 125 01 E
Tolosa 11 04 N 125 02 E
Maasin 10 08 N 124 50 E
Baybay 10 41 N 124 48 E
Ormoc 11 00 N 124 36 E
Isabel 10 55 N 124 25 E

Q Y B T A

Palompon 11 04 N 124 22 E

Poro Island

Poro 10 38 N 124 25 E

Panay Island

Banate 11 01 N 122 52 E
Bayang Point 11 02 N 122 55 E
Estancia 11 27 N 123 09 E
Roxas (Capiz) 11 37 N 122 42 E
Port Batan 11 36 N 122 30 E
Buson 11 03 N 122 03 E
San Jose de Buenavista
10 45 N 121 55 E
Iloilo 10 42 N 122 34 E

Q Y G C R B D T

Guimaras Island 10 40 N 122 35 E

Q Y G B A

Inampulugan Island 10 28 N 122 43 E

Nalunga Island 10 30 N 122 43 E

Negros Island

Hinigaran 10 16 N 122 50 E
Bulata 9 51 N 122 24 E
Cartagena 9 48 N 122 23 E
Consolacion 9 35 N 123 07 E

108A

108B

108C

108D

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

GEOGRAPHIC INDEX

105

Hinobaan 9 34 N 122 30 E
 Asia 9 32 N 122 30 E
 Tulong 9 20 N 122 51 E
 Bacong 9 14 N 123 17 E
 Tulong 9 20 N 122 51 E
 Dumaguete 9 18 N 123 18 E
 Q Y G C R B
 Bais 9 35 N 123 07 E
 P Y
 Campuyo 9 41 N 123 09 E
 Ayungon 9 52 N 123 19 E
 San Carlos 10 29 N 123 25 E
 Escalante 10 52 N 123 31 E
 Vito Point 10 54 N 123 31 E
 Sagay 10 57 N 123 25 E
 Cadiz 10 58 N 123 19 E
 Victorias 10 54 N 123 04 E
 Mambagid 10 51 N 122 57 E
 Bacolod 10 40 N 122 57 E
 Pulupandan 10 31 N 122 48 E
 P Y G R
Cebu Island
 Cebu 10 18 N 123 54 E
 P Q Y G C R B T A
 Naga 10 13 N 123 45 E
 Alcoy 9 43 N 123 30 E
 Mambagi 9 41 N 123 30 E
 Toledo 10 22 N 123 38 E
 Sangi 10 23 N 123 38 E
 Y G B A
 Balamban 10 30 N 123 43 E
 Hagnaya Bay 11 07 N 123 56 E
 Bogo 11 03 N 124 00 E
Mactan Island 10 19 N 123 57 E
Bohol Island
 Talibon 10 09 N 124 20 E
 Ubay 10 02 N 124 28 E
 Jagna 9 39 N 124 22 E
 Garcia Hernandez 9 37 N 124 17 E
 Tagbilaran 9 39 N 123 51 E
 P Y G R B A
 Maribojoc 9 44 N 123 50 E
 Tubigon 9 56 N 123 57 E
Camiguin Island
 Mambajao 9 15 N 124 43 E
Dinagat Island
 Cagdianao 9 54 N 125 40 E
 Dinagat 9 58 N 125 36 E
 Osmena 10 10 N 125 30 E
Nonoc Island
 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
 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 T
 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 T A
 Kolambugan 8 07 N 123 53 E

109A

109B

109C

109D

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 B T 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 T
 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
 Lianga 8 38 N 126 06 E
 Tandag 9 04 N 126 12 E
 Adlay 9 25 N 125 54 E
 Taganito 9 33 N 125 45 E
 Gigaquit 9 36 N 125 41 E
Basilan Island
 Isabela 6 42 N 121 58 E
 G A
 Lamitan 6 40 N 122 08 E
 Maluso Bay
 Port Holland 6 33 N 121 52 E
Jolo Island
 Jolo 6 03 N 121 00 E
 P Q G B T
Siasi Island
 Siasi 5 33 N 120 49 E
Tawitawi Island
 Batu Batu 5 04 N 119 53 E
Bongao Island
 Bongao 5 01 N 119 46 E
Tumindao Island
 Sitangkai 4 40 N 119 23 E
THAILAND
 Takbai 6 16 N 102 03 E
 Narathiwat 6 28 N 101 51 E
 Pattani 6 57 N 101 18 E
 Songkhla 7 14 N 100 35 E
 Y G C B T A
 Bangkok Terminal 8 03 N 102 20 E
 P
 Lakon 8 23 N 99 59 E
 Tha Sala 8 40 N 99 58 E

110A

110B

110C

110D

p.41

Erawan Terminal 9 04 N 101 14 E
 P A
 Thatong 9 11 N 99 25 E
 Khanom 9 16 N 99 53 E
 P Y G B
 Surat Thani 9 09 N 99 20 E
 Platong Terminal 9 40 N 101 26 E
 P A
 Tantan Terminal 10 05 N 101 25 E
 P T
 Chumphon 10 31 N 99 13 E
 Benchamas Terminal 10 32 N 101 16 E
 P T
 Prachuap 11 11 N 99 36 E
 Y G C R B T A
 Jasmine Venture Terminal 11 19 N 101 13 E
 P
 Thap Sakae 11 30 N 99 35 E
 Prachuap Khiri Khan 11 47 N 99 49 E
 Samut Sakhon 13 32 N 100 16 E
 Chao Phraya River
 Paknam 13 36 N 100 34 E
 Bangkok 13 42 N 100 34 E
 P Y G C B D T A
 Bang Pakong 13 31 N 100 59 E
 Sriracha 13 07 N 100 53 E
 P Q Y G C B T
 Ko Sichang 13 09 N 100 48 E
 P C B T
 Siam Seaport 13 08 N 100 53 E
 Y G C R B T
 Laem Chabang 13 05 N 100 53 E
 Y G C R L B T A
 Pattaya 12 57 N 100 53 E
 Sattahip 12 39 N 100 51 E
 G C B T
 Map Ta Phut 12 39 N 101 09 E
 P Q G B T
 Rayong 12 39 N 101 17 E
 P Q Y G C B T
 Chanthaburi 12 28 N 102 04 E
CAMBODIA (KAMPUCHEA)
 Pointe du Depart 10 43 N 103 32 E
 Sihanoukville (Kompong Som)
 10 38 N 103 30 E
 P Y G C B T A
 Ream 10 31 N 103 33 E
 Kampot 10 34 N 104 09 E
VIETNAM
 Phu Quoc Island
 An Thoi 10 01 N 104 02 E
 Binh Tri 10 12 N 104 35 E
 Hon Chong 10 08 N 104 36 E
 Nam Can 8 45 N 104 59 E
 Hau Giang River
 Can Tho 10 03 N 105 46 E
 G C T A
 My Thoi 10 20 N 105 29 E
 Y G C B A
 River Mekong
 Vinh Thai 10 14 N 106 05 E
 Vinh Long 10 14 N 105 58 E
 Phnom Penh (Cambodia)
 11 36 N 104 54 E
 G C B T A
 My Tho 10 21 N 106 22 E
 Vientiane (Laos) 17 57 N 102 36 E
 River Saigon
 Phuoc Khanh 10 38 N 106 49 E

111A

111B

111C

111D

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

VIETNAM *continued*

Bong Sen 10 41 N 106 46 E
 Y G C A
 Nha Be 10 42 N 106 45 E
 P T
 Rau Qua 10 44 N 106 44 E
 Y G
 Tan Thuan Dong 10 45 N 106 43 E
 Y G
 Ben Nghe 10 45 N 106 44 E
 Y G C
 Ho Chi Minh City (Saigon)
 10 46 N 106 43 E
 P Q Y G C B D T A
 Cat Lai 10 45 N 106 46 E
 Dong Nai 10 53 N 106 50 E
 Binh Duong 10 54 N 106 50 E
 Y G C
 Chi Lang Terminal 9 34 N 107 53 E
 P T
 Vietsovpetro 01 Terminal 9 44 N 107 57 E
 P T
 Ba Vi Terminal 9 46 N 107 59 E
 P T
 Chi Linh Terminal 9 49 N 108 00 E
 P T
 Su Tu Den Terminal 10 25 N 108 24 E
 P
 Thi Vai River
 Phu My 10 35 N 107 01 E
 Y G T
 Phuoc Tai 10 40 N 107 01 E
 Dong Thap 10 21 N 107 03 E
 Y G
 Vung Tau (Cap St. Jacques)
 10 21 N 107 04 E
 P B T
 Godau 10 20 N 107 04 E
 Bach Ho Terminal 9 46 N 107 58 E
 Dai Hung Terminal 8 28 N 108 41 W
 Ca Na 11 20 N 108 54 E
 Cam-Ranh Bay
 Ba Ngoi 11 52 N 109 07 E
 Y G B T A
 Nha Trang 12 16 N 109 11 E
 P Q Y G C B T A
 Ninh Phuoc 12 26 N 109 16 E
 Van Phong Bay 12 31 N 109 23 E
 P A
 Hon Khoi 12 34 N 109 14 E
 Y G B T A
 Dam Mon 12 40 N 109 23 E
 Y B A
 Vung Ro 12 51 N 109 24 E
 Tuy Hoa 13 03 N 109 20 E
 Qui Nhon 13 46 N 109 14 E
 P Y G C B T A
 Phu My 14 07 N 109 06 E
 Paracel Islands (Disputed)
 Triton Island 15 47 N 111 12 E
 Ky Ha 15 18 N 108 41 E
 Dung Quat 15 28 N 108 39 E
 Da Nang 16 06 N 108 18 E
 P Q Y G C R B D T A
 Lien Chieu Bay 16 08 N 108 07 E
 Chan May 16 20 N 108 00 E
 G C T
 Hue 16 29 N 107 33 E

112A

112B

112C

112D

Quang Ninh 17 24 N 106 38 E
 Dong Nai 18 05 N 106 19 E
 Ben Thuy 18 37 N 105 42 E
 Nghe Tinh 18 39 N 105 42 E
 Y G C B T A
 Vung Ang 18 55 N 105 24 E
 Y G B T
 Nghi Son 19 19 N 105 48 E
 Sam Son 19 45 N 105 54 E
 Thanh Hoa 19 49 N 105 48 E
 Y G C B T A
 Diemdien 20 33 N 106 43 E
 Red River
 Hanoi 21 01 N 105 50 E
 Viet Tri 21 18 N 105 25 E
 Cam River
 Doan Xa 20 52 N 106 51 E
 Y G C
 Cua Cam 20 52 N 106 41 E
 Y G C
 Haiphong 20 52 N 106 40 E
 P Y G C R B D T A
 Vat Cach 20 53 N 106 38 E
 Y G C
 Quang Yen 20 56 N 106 48 E
 Port Redon 20 59 N 106 46 E
 Parseval Bay 20 49 N 107 03 E
 Ha Long Bay
 Cai Lan 20 58 N 107 02 E
 Hongay 20 57 N 107 03 E
 P Q Y G C B T A
 Pak Ha Mun 20 58 N 107 32 E
 Cam Pha 21 01 N 107 22 E
 Y B T A
 Nam Ha 21 16 N 107 19 E
 Port Wallut 21 12 N 107 37 E
CHINA
 Fangcheng 21 45 N 108 21 E
 Y G C B T
 Weizhou Terminal 20 51 N 108 36 E
 Qin Jiang
 Qinzhou 21 58 N 108 36 E
 P Q Y G T
 Beihai 21 27 N 109 03 E
 P Y G C B T
 Hainan Island
 Wenchang Terminal 19 37 N 112 03 E
 Puqian 20 02 N 110 34 E
 Haikou 20 01 N 110 16 E
 P Y G C R B T A
 Macun 19 57 N 110 03 E
 P Y
 Yangpu 19 42 N 109 20 E
 Y G C B T
 Basuo (Dongfang) 19 06 N 108 37 E
 P Q Y G B T
 Sanya (Ya Xian) 18 11 N 109 28 E
 Y G C B T A
 Yulin 18 13 N 109 32 E
 Qionghai 19 14 N 110 27 E
 Qinglan 19 35 N 110 53 E
 P Y G
 Kwangchow Bay
 Zhanjiang 21 12 N 110 25 E
 P Q Y G C R B T A
 Maoming 21 29 N 111 05 E
 Shuidong 21 29 N 111 04 E
 P Q G C B T

113A

113B

113C

113D

Yangjiang 21 51 N 111 56 E
 P Q Y G
 Yutang 21 56 N 112 46 E
 Tan Jiang
 Xinhui 22 31 N 113 02 E
 P Q Y G C B T
 Sanbu 22 28 N 112 45 E
 P Y G
 Xi Jiang
 Jiangmen 22 40 N 113 05 E
 G C
 Leliu 22 50 N 113 07 E
 Wuzhou 23 28 N 111 18 E
 Y G
 Yujiang River
 Guicheng 23 05 N 109 35 E
 Y G T
 Xin Xing Jiang
 Zhaoqing 23 03 N 112 26 E
 Y G
 Wuzhou 23 29 N 111 16 E
 Lasawei 22 08 N 113 49 E
 Macau 22 12 N 113 33 E
 P Q G C B A
 Zhu Jiang (Pearl River)
 Jiuzhou 22 14 N 113 35 E
 Gaolan 22 15 N 113 35 E
 Zhuhai 22 17 N 113 35 E
 P Q Y G C B T A
 Rongqi 22 41 N 113 13 E
 Y G
 Xiaolan 22 46 N 113 16 E
 Panyu 22 54 N 113 18 E
 Beijiao 22 54 N 113 10 E
 Y G C
 Lianhuashan 22 58 N 113 29 E
 Xiaohudao 22 50 N 113 35 E
 Zhongshan 23 03 N 113 31 E
 P Y G
 Nansha 22 50 N 113 34 E
 P Y G C B T
 Shiqiao 22 55 N 113 21 E
 Y G C
 Shunde 22 43 N 113 13 E
 Y C
 Huangpu 23 05 N 113 25 E
 Haixinsha 23 03 N 113 19 E
 Changzhou 23 04 N 113 25 E
 Y G C B T A
 Guangzhou (Canton) 23 06 N 113 14 E
 P Y G C R B T A
 Nanhai 23 06 N 113 11 E
 C
 Foshan 23 02 N 113 06 E
 P Y G A
 Xintang 23 07 N 113 35 E
 Dongguan 23 03 N 113 43 E
 Y G
 Shilong 23 06 N 113 49 E
 Y G
 Shatian 22 54 N 113 35 E
 Taiping 22 49 N 113 40 E
 Y G
 Humen 22 48 N 113 40 E
 P Y G C
 Shenzhen 22 31 N 114 08 E
 Mawan 22 29 N 113 52 E
 P Y G C B T

114A

p.38/39

114B

114C

114D

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

GEOGRAPHIC INDEX

107

Chiwan 22 28 N 113 53 E
 Y G C B T
 Shekou 22 29 N 113 54 E
 P Y G C B T A

HONG KONG
 P Q Y G C R L B D T A
 Tap Shek Kok 22 23 N 113 55 E
 Tsing Yi Island 22 21 N 114 06 E
 Kwai Chung 22 21 N 114 07 E
 Kowloon 22 18 N 114 10 E
 Victoria 22 17 N 114 10 E
 Ap Lei Chau 22 14 N 114 09 E
 Lamma Island 22 13 N 114 07 E
 Panyu Terminal 20 51 N 114 42 E
 P

Xijiang Terminal 21 18 N 114 57 E
 Lihua Terminal (Lan Shui Terminal)
 20 50 N 115 42 E
 P T

Huizhou Terminal 21 21 N 115 25 E
 P T
 Lufeng Terminal 21 38 N 116 02 E
 P

Yantian 22 36 N 114 16 E
 P Y G C R B T
 Guangdong Terminal 22 34 N 114 26 E
 Q

Aotou 22 43 N 114 31 E
 Daya Bay
 Huizhou 22 42 N 114 34 E
 P Q B T
 Donglian 22 44 N 114 37 E
 P Q T
 Mabianzhou 22 40 N 114 39 E
 P T

Pinghai 22 34 N 114 53 E
 Shanwei 22 48 N 115 20 E
 P Y G C B
 Chaoyang 23 16 N 116 34 E
 Shantou 23 20 N 116 45 E
 P Q Y G C B T A

Han River
 Changting 25 50 N 116 20 E
 Gan River
 Ganzhou 25 51 N 114 55 E
 Y G

Sanbaimen 23 32 N 117 05 E
 Y G C

Chaozhou 23 40 N 116 38 E
 Raoping 23 39 N 117 01 E
 Dongshan 23 45 N 117 31 E
 Y G C B

Zhangzhou 24 25 N 118 03 E
 Y G C R B T A
 Haicang 24 27 N 117 57 E
 Xiamen 24 27 N 118 04 E
 Y G C B T A

Weitou 24 31 N 118 34 E

TAIWAN

Jinmen (Quemoy) Island 24 27 N 118 23 E
 Mai-Liao 23 47 N 120 10 E
 P Q Y G C B T

Pescadores (Penghu) Islands
 Makung 23 33 N 119 33 E
 Pu-Tai 23 23 N 120 08 E
 An Ping 22 59 N 120 08 E
 Y G B

115A
 Tainan 23 01 N 120 14 E
 Kaohsiung 22 37 N 120 15 E
 P Q Y G C R B D T A
 Hsin Ta 22 25 N 120 30 E
 Hualien 24 00 N 121 38 E
 P Y G B T A
 Hoping 24 18 N 121 45 E
 Suao 24 36 N 121 52 E
 P Y G C B T
 Shenao 25 07 N 121 49 E
 Keelung (Chilung) 25 09 N 121 44 E
 P Y G C R B D T A
 Tanshui 25 10 N 121 25 E
 Taipei 25 10 N 121 21 E
 P Y G T A
 Sha Lung 25 09 N 121 11 E
 Taichung 24 17 N 120 30 E
 P Q Y G C R B D T A

115B
CHINA
 Quanzhou 24 54 N 118 35 E
 P Y G C B T
 Meizhou Bay
 Meizhou 25 11 N 119 00 E
 Xiuyu 25 13 N 118 59 E
 P Y G C B T

Hankong 25 26 N 119 05 E
 Putian 25 26 N 119 01 E
 Hungghwa 25 30 N 119 20 E
 Fuqing 25 43 N 119 21 E
 Songxia 25 41 N 119 35 E
 Y B T

Min Jiang
 Mawei 25 59 N 119 27 E
 Nantai 26 03 N 119 19 E
 Fuzhou 26 03 N 119 18 E
 Q Y G C B D T A

115C
 Sharp Peak Island 26 08 N 119 40 E
 Matsu Island 26 09 N 119 56 E
 Sanduao 26 38 N 119 39 E
 Ningde 26 39 N 119 31 E
 Saiqi 26 56 N 119 41 E
 P Y G

Changchun 26 44 N 120 02 E
 Xiabaishi 26 49 N 119 40 E
 Wenzhou 28 02 N 120 39 E
 Y G C B T A

Jiaojiang 28 39 N 121 25 E
 Huangyan 28 38 N 121 15 E
 Linhai 28 49 N 121 06 E
 Haimen 28 41 N 121 26 E
 Y G C B T

Shipu 29 11 N 121 51 E
 Y G

115D
 Zhoushan Qundao
 P Y G C R B T A
 Aoshan Terminal 29 58 N 122 15 E
 Dinghai 30 00 N 122 06 E
 Shenjiamen 29 58 N 122 16 E
 Majishan 30 41 N 122 25 E
 Beilun 29 56 N 121 53 E
 Zhenhai 29 58 N 121 42 E
 Ningbo 29 52 N 121 33 E
 P Q Y G C B T A

Xiaoshan 30 09 N 120 15 E
 P Y G

Hangzhou 30 15 N 120 10 E
 Y G

Xiashi 30 32 N 120 41 E
 Y G

Zhapu 30 35 N 121 05 E
 P Y G C B T

116A
 Jiaxing 30 51 N 120 52 E
 Pinghu 30 41 N 121 00 E
 Y G

Jinshan 30 43 N 121 19 E
 Caojing 30 46 N 121 24 E
 Fengxian 30 55 N 121 26 E
 Y G

Nanhui 31 03 N 121 45 E
 P Y G

Chuansha 31 12 N 121 41 E
 P Q Y G

Yangtze River (Chang Jiang)
 Baoshan 31 25 N 121 29 E
 Wusong 31 24 N 121 32 E
 Shanghai 31 15 N 121 30 E
 P Y G C R B D T A

Huangpu River
 Minhang 31 00 N 121 24 E
 Songjiang 31 00 N 121 13 E
 Y G

Chongming Island
 Chongming 31 37 N 121 22 E
 Y G

Taicang 31 27 N 121 05 E
 P Q G C B T

Luojing 31 27 N 121 18 E
 Kunshan 31 22 N 120 56 E
 Y

Suzhou 31 18 N 120 38 E
 Y T
 Changshu 31 38 N 120 44 E
 Y G C B T A

Nantong 32 00 N 120 48 E
 P Q Y G C B D T A

Zhangjiagang 31 58 N 120 24 E
 P Y G C B T

Jingjiang 32 01 N 120 18 E
 Jiangyin 31 55 N 120 15 E
 P Q Y G C B T

Taixing 32 09 N 120 00 E
 Y

Gaogang 32 07 N 119 52 E
 Y G C B T

Taizhou 32 25 N 119 25 E
 Q Y G C B T A

Grand Canal
 Huaian 33 30 N 119 08 E
 Y G

Huai River
 Bengbu 32 56 N 117 21 E
 P Y G T

Huainan 32 40 N 117 00 E
 Y G

Zhenjiang 32 13 N 119 26 E
 P Q Y G C B T A

Yangzhou 32 22 N 119 22 E
 Y G C B T

Yizheng 32 12 N 119 12 E
 Xinshenwei 31 58 N 118 48 E
 Nanjing 32 03 N 118 46 E
 P Y G C R B T A

Pukou 32 02 N 118 40 E
 Jiangpu 32 02 N 118 36 E
 Ma'anshan 31 49 N 118 32 E
 Y C B T A

Chao Lake
 Sanbing 31 32 N 117 44 E
 Y

117A

117B

117C

117D

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

CHINA continued

Nanfei River
 Hefei 31 51 N 117 16 E
 Y G
 Wuhu 31 20 N 118 22 E
 Y G C B T
 Digang 31 06 N 118 00 E
 Y G
 Tongling 30 57 N 117 40 E
 Y G C B T
 Chizhou 30 39 N 117 27 E
 Y G C B T
 Anqing 30 31 N 117 02 E
 P Y G C B T
 Hukou 29 42 N 116 21 E
 Poyang Lake
 Nanchang 28 40 N 115 53 E
 P Y G
 Jiujiang 29 43 N 115 59 E
 Y G C B T
 Wuxue 29 51 N 115 33 E
 Y G
 Tianjiazhen 29 54 N 115 24 E
 Y G
 Huangshi 30 13 N 115 05 E
 Y G C B T A
 Lanxi 30 20 N 115 07 E
 P Y G
 Bahe 30 24 N 115 01 E
 Y G
 Ezhou 30 24 N 114 49 E
 P Y G
 Wuhan 30 35 N 114 19 E
 G C R B A
 Han River
 Xiangfan 32 00 N 112 08 E
 Y G
 Hankou 30 35 N 114 17 E
 Chenglingji 29 26 N 113 08 E
 Q Y G C B T
 Yueyang 29 23 N 113 05 E
 Zi River
 Yiyang 28 34 N 112 19 E
 Y G
 Dongting Lake
 Yuanjiang 28 50 N 112 22 E
 P Y G
 Maocaojie 29 04 N 112 18 E
 Y G
 Lishui River
 Jinshi 29 37 N 111 51 E
 Y G
 Yuan River
 Changde 29 02 N 111 40 E
 Y G T A
 Xiang Jiang
 Changsha 28 11 N 112 58 E
 P Y G C A
 Pingtang 28 04 N 112 53 E
 Xiangtan 27 51 N 112 53 E
 Y G
 Zhuzhou 27 50 N 113 08 E
 Y G
 Hengyang 26 53 N 112 37 E
 Y G
 Shashi 30 19 N 112 16 E

118A

118B

118C

118D

Jingzhou 30 21 N 112 12 E
 P Y G C B A
 Zhicheng 30 19 N 111 30 E
 Yichang 30 42 N 111 18 E
 Y G C B A
 Badong 31 03 N 110 24 E
 Fengjie 31 02 N 109 31 E
 Y G T
 Wanzhou 30 48 N 108 22 E
 P Y G C R B A
 Fuling 29 42 N 107 20 E
 P Y G
 Jialing River
 Beipei 29 49 N 106 26 E
 Y G T
 Hechuan 29 59 N 106 16 E
 P Y G
 Chongqing 29 34 N 106 35 E
 Y G C R T
 Jiulongpo 29 30 N 106 31 E
 Luzhou 28 53 N 105 26 E
 Y G C T A
 Yibin 28 46 N 104 37 E
 Y G
 Dongtai 32 50 N 120 18 E
 P Y G
 Dafeng 33 12 N 120 25 E
 Y G
 Yancheng 33 23 N 120 07 E
 Y G
 Binhai 34 00 N 119 50 E
 P Y G
 Lianyungang 34 44 N 119 27 E
 Y G C B D T
 Lanshan 35 05 N 119 21 E
 P Y G T
 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
 P Y G
 Rongcheng 37 09 N 122 24 E
 Longyan 37 24 N 122 37 E
 Y G C T
 Weihai 37 30 N 122 09 E
 Y G C B T
 Yantai 37 34 N 121 26 E
 P Y G C R B T A
 Penglailai 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
 Dongying 37 27 N 118 28 E

119A

119B

119C

119D

Bo Hai Bay
 Bozhong Field
 P
 BZ -1 Terminal 38 14 N 119 09 E
 BZ 34 Terminal 38 07 N 119 33 E
 Caofeidian Field
 P
 CFD 11 Terminal 38 46 N 118 42 E
 Qinhuangdao Field
 P
 QHD 32-6 Terminal 39 07 N 119 12 E
 Huanghua 38 22 N 117 20 E
 Y G T A
 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
 Dagu 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 A
 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 18 N 122 06 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
 Beiliang 38 58 N 121 48 E
 P Y G C T
 Zhuanghe 39 41 N 122 58 E
 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 C B D T A
 Taedong River
 Songnim 38 44 N 125 37 E
 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 C R B T
 Taeon 36 55 N 126 14 E
 Gojeong 36 18 N 126 27 E
 Janghang 36 01 N 126 41 E
 Y T A
 Gunsan (Kunsan) 36 00 N 126 43 E
 P Q Y G C R B T A

120A

120B

120C

120D

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

GEOGRAPHIC INDEX

109

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 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 B 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 (Koje) 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 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 L 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
 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
 Songjon 39 20 N 127 30 E
 Rempo 39 47 N 127 32 E
 Sohojin Harbour
 Hungnam 39 48 N 127 40 E
 G B A
 Sinpo 40 01 N 128 10 E
 Songjin (Kimchaek) 40 40 N 129 12 E
 G B
 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
 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

121A

121B

121C

121D

p.45

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
 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

122A

122B

122C

122D

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
 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 B A
 Ube 33 56 N 131 12 E
 P Q Y G C R B T A
 Ajiu 34 00 N 131 22 E
 Nakanoseki 34 00 N 131 34 E
 Mitajiri 34 01 N 131 36 E
 P Y G C B A
 Tonda 34 02 N 131 44 E
 Tokuyama 34 00 N 131 48 E
 P Q Y G C R B T A
 Kudamatsu 34 00 N 131 51 E
 P G B
 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 B T
 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
 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

123A

123B

123C

123D

JAPAN continued

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 B 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
 Aioi 34 46 N 134 28 E
 G B D
 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
 Takasago 34 44 N 134 48 E
 Higashi-Harima 34 42 N 134 50 E
 Q Y G R B A
 Kakogawa 34 42 N 134 50 E
 Q Y G R B
 Befu 34 43 N 134 51 E
 Akashi 34 39 N 135 00 E
 Awajishima
 Awaji 34 34 N 135 00 E
 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 L B D T A
 Nishinomiya 34 43 N 135 21 E
 Amagasaki 34 41 N 135 23 E
 P Q Y G B 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

124A

124B

124C

124D

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 T 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 T
 Hamaoka 34 38 N 138 08 E
 Omaezaki 34 36 N 138 14 E
 Y G B T
 Yaizu 34 52 N 138 20 E
 Shimizu 35 01 N 138 32 E
 P Q Y G C R B D T
 Tagonoura 35 08 N 138 42 E
 P Y G R B T A
 Numazu 35 08 N 138 50 E
 G B
 Kamo 34 51 N 138 47 E
 Arari 34 49 N 138 45 E
 Shimoda 34 40 N 138 57 E
 Usami 35 00 N 139 06 E
 Kurihama 35 13 N 139 44 E
 Uruga 35 14 N 139 44 E
 Yokosuka 35 17 N 139 41 E
 P Y G R B D T A
 Taura 35 18 N 139 38 E
 Oppama 35 19 N 139 39 E
 Negishi 35 24 N 139 38 E
 Yokohama 35 27 N 139 40 E
 P Q Y G C R B D T
 Tsurumi 35 30 N 139 41 E
 Kawasaki 35 30 N 139 45 E
 P Q Y G C B D T A
 Ogishima 35 30 N 139 46 E
 Shibaura 35 37 N 139 45 E
 Tokyo 35 41 N 139 44 E
 P Q Y G C R B D T A
 Izu-Oshima 35 39 N 139 54 E
 Funabashi 35 40 N 139 58 E

125A

125B

125C

125D

Chiba 35 34 N 140 03 E
 P Q Y G C R B D T A
 Goi 35 30 N 140 06 E
 Kisarazu (Kimitsu) 35 22 N 139 53 E
 P Q Y G R B T A
 Futtsu 35 18 N 139 49 E
 Tateyama 35 00 N 139 52 E
 Choshi 35 44 N 140 41 E
 Kashima 35 56 N 140 42 E
 P Q Y G R B T A
 Hitachinaka 36 25 N 140 25 E
 G C T
 Nakaminato 36 21 N 140 38 E
 Tokai 36 27 N 140 35 E
 Hitachi 36 29 N 140 38 E
 P Y G C B T A
 Onahama 36 56 N 140 55 E
 P Y G C R B T
 Hirono 37 14 N 141 01 E
 Tomioka 37 20 N 141 00 E
 G B
 Okuma 37 23 N 140 59 E
 Haramichi 37 38 N 140 58 E
 Soma 37 50 N 140 58 E
 Y G T
 Sendai 38 16 N 141 03 E
 Sendai-Shiogama 38 17 N 141 02 E
 P Q Y G C R B T A
 Shiogama 38 19 N 141 02 E
 Ishinomaki 38 25 N 141 18 E
 P Y G B D T A
 Oginohama 38 23 N 141 22 E
 Onagawa 38 27 N 141 28 E
 Kesennuma 38 52 N 141 36 E
 P G B T
 Ofunato 38 59 N 141 45 E
 P Y G B T A
 Kamaishi 39 16 N 141 54 E
 Y G B T
 Otsuchi 39 21 N 141 54 E
 Miyako 39 38 N 141 58 E
 Y G B T
 Tamagawa 40 05 N 141 50 E
 Kuji 40 10 N 141 46 E
 Hachinohe 40 32 N 141 32 E
 P Q Y G C R B D T A
 Mutsu Ogawara 40 57 N 141 25 E
 SHIKOKU
 Hojo 33 58 N 132 46 E
 Kikuma 34 02 N 132 50 E
 P B T A
 Namikata 34 07 N 132 58 E
 P Q B T
 Hashihama 34 06 N 132 58 E
 Imabari 34 04 N 133 01 E
 P Y G C B D T A
 Toyo 33 55 N 133 04 E
 Saijo 33 55 N 133 10 E
 Niihama 33 59 N 133 17 E
 P Y G B T A
 Mishima-Kawanoe 34 01 N 133 34 E
 Y G C B
 Takuma 34 15 N 133 42 E
 Y G C B
 Tadotsu 34 17 N 133 44 E
 Marugame 34 18 N 133 47 E
 Sakaide 34 20 N 133 51 E
 P Q Y G B D T A

126A

126B

126C

126D

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

GEOGRAPHIC INDEX

111

Takamatsu 34 21 N 134 03 E
 P Y G C B A

Hiketa 34 13 N 134 24 E
 Naruto 34 11 N 134 37 E
 Tokushima 34 03 N 134 36 E
 Komatsushima 34 00 N 134 36 E
 P Y G C R B T A

Anan 33 54 N 134 40 E
 Tachibana 33 53 N 134 43 E
 Y G B

Kannoura 33 35 N 134 18 E
 Kochi 33 31 N 133 34 E
 P Y G C R B T A

Urado 33 30 N 133 35 E
 Susaki 33 23 N 133 18 E
 Y G T A

Sukhumo Bay
 Sukumo 32 55 N 132 43 E
 Uwajima 33 13 N 132 33 E
 Yoshida 33 16 N 132 32 E
 Ikata 33 29 N 132 21 E
 Yawatahama 33 27 N 132 24 E
 Honai 33 28 N 132 23 E
 Kawanoishi 33 29 N 132 23 E
 Nagahama 33 37 N 132 29 E
 Matsuyama 33 51 N 132 42 E
 P Y G C B T A

Nakajima 33 54 N 132 44 E
 KYUSHU

Kanda 33 48 N 131 00 E
 Y G B T A

Tanoura 33 58 N 130 59 E
 Moji 33 57 N 130 58 E
 P Y G C R B D T A

Kokura 33 54 N 130 54 E
 P Y G C R B A

Tobata 33 55 N 130 51 E
 P Q Y G B T A

Yawata 33 52 N 130 48 E
 Y G B T A

Wakamatsu 33 55 N 130 49 E
 Y G C B T A

Makiyama 33 53 N 130 49 E
 Futajima 33 53 N 130 44 E
 Shirashima 34 01 N 130 44 E
 Genkai 33 50 N 130 30 E
 Saitozaki 33 38 N 130 21 E
 Hakata 33 37 N 130 23 E
 P Q Y G C R B T A

Fukuoka 33 39 N 130 21 E
 Tsushima

Shimonoshima
 Tsutsu 34 07 N 129 11 E
 Hitakatsu 34 41 N 129 27 E

Kaminoshima
 Izuhara 34 11 N 129 18 E
 Kunisaki 33 35 N 131 43 E
 Karatsu 33 28 N 129 58 E
 Q Y G B A

Imari 33 16 N 129 49 E
 Y G C R B D T A

Matsuura 33 21 N 129 44 E
 Usunoura 33 12 N 129 35 E
 Ainoura 33 11 N 129 39 E
 Sasebo 33 08 N 129 43 E
 P Y G B D T A

Tarami 32 49 N 129 58 E
 Sakito 33 01 N 129 33 E
 Matsushima 32 56 N 129 36 E
 Y G B T A

Oseto 32 56 N 129 39 E
 Nagasaki 32 43 N 129 50 E
 P Y G C R B T A

127A

Kuchinotsu 32 36 N 130 12 E
 Suminoe 33 11 N 130 14 E
 Miike 33 00 N 130 25 E
 P Q Y G B T A

Omuta 33 02 N 130 26 E
 Yokoshima 32 51 N 130 32 E
 Misumi 32 36 N 130 28 E
 G R B T A

Yatsushiro 32 31 N 130 32 E
 P Q Y G C B T A

Amakusashima
 Reihoku 32 30 N 130 02 E
 Minamata 32 13 N 130 20 E
 Q Y G B T A

Ushibuka 32 11 N 130 01 E
 Komenotsu 32 06 N 130 20 E
 Yamagawa 31 11 N 130 38 E
 Kiire 31 23 N 130 33 E
 P B T A

127B

Taniyama 31 29 N 130 32 E
 Kagoshima 31 35 N 130 34 E
 P Q Y G R B T

Yakushima
 Miyanoura 30 26 N 130 35 E
 Kajiki 31 43 N 130 39 E
 Shibushi 31 28 N 131 07 E
 Y G C B T A

Nango 31 31 N 131 22 E
 Aburatsu 31 34 N 131 24 E
 Miyazaki 31 53 N 131 27 E
 Hososhima 32 27 N 131 40 E
 P Q Y G C R B T A

Nobeoka 32 35 N 131 43 E
 Saiki 32 58 N 131 55 E
 Y G B T

Tsukumi 33 05 N 131 52 E
 Y G B T

127C

Usuki 33 08 N 131 49 E
 Seki Saki 33 16 N 131 54 E
 Saganoseki 33 15 N 131 52 E
 P Q Y G C B T A

Tsurusaki 33 15 N 131 41 E
 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 B T A

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

127D

Kin Bay
 Heianza 26 21 N 127 57 E
 P Q Y G B 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

128A

NORTHERN MARIANA ISLANDS (United States of America) 129A

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 R 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

128B

Chuuk (Truk) Islands
 Eten Anchorage 7 21 N 151 53 E
 Chuuk (Truk) 7 27 N 151 52 E
 P G C B A

129B

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
 Bikini Atoll 11 36 N 165 33 E
 Wotje Atoll 9 28 N 170 15 E
 Maloelap Atoll

Taroo 8 43 N 171 14 E
 Majuro Atoll 7 05 N 171 08 E
 P G C B A

128C

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

129C

p.48/49

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

128D

Guadalcanal Island
 Aola Bay 9 31 S 160 30 E
 Tetera 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 T A

129D

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

p.38/39

p.12/13

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

GEOGRAPHIC INDEX

113

Perth 31 57 S 115 52 E
 Fremantle 32 00 S 115 45 E
 P Y G C R B T A

133A

Rottneest Island 32 00 S 115 30 E
 Kwinana 32 13 S 115 45 E
 Bunbury 33 19 S 115 38 E
 Q Y G R B T A
 Busselton 33 38 S 115 20 E
 Cape Naturaliste 33 32 S 115 01 E
 Cape Leeuwin 34 22 S 115 08 E
 D'Entrecasteaux Point 34 50 S 116 00 E
 Albany 35 02 S 117 55 E
 P Y G C R B T A

Breaksea Island 35 07 S 118 01 E
 Esperance 33 52 S 121 53 E
 P Y G C R B T A

SOUTH AUSTRALIA

Thevenard 32 09 S 133 39 E
 Y G B T A

133B

Ceduna 32 08 S 133 41 E
 Elliston 33 39 S 134 53 E
 Spencer Gulf
 Port Lincoln 34 45 S 135 53 E
 P Y G R B T A
 Tumbly Bay 34 25 S 136 08 E
 Lipson Cove 34 16 S 136 16 E
 Whyalla 33 02 S 137 36 E
 P Y G B T A

Port Bonython 33 01 S 137 45 E
 P Q B T A

Port Augusta 32 30 S 137 47 E
 Port Germein 33 02 S 138 01 E
 Port Pirie 33 11 S 138 01 E
 Y G C B T A

Port Broughton 33 34 S 137 53 E
 Wallaroo 33 56 S 137 37 E
 Y G B T

133C

Port Victoria 34 30 S 137 28 E
 Port Rickaby 34 40 S 137 29 E
 Cape Spencer 35 18 S 136 52 E
 Stenhouse Bay 35 17 S 136 56 E

SOUTH AUSTRALIA

Kangaroo Island
 Cape Borda 35 45 S 136 35 E
 Nepean Bay
 Kingscote 35 39 S 137 37 E
 Ballast Head 35 46 S 137 48 E
 Cape Willoughby 35 51 S 138 08 E

Gulf of St. Vincent
 Edithburgh 35 05 S 137 45 E
 Port Giles 35 02 S 137 45 E
 Y G B T

Klein Point 34 58 S 137 46 E
 Y T

Port Vincent 34 57 S 137 52 E
 Port Alfred 34 37 S 137 54 E
 Ardrossan 34 26 S 137 55 E
 Y T

133D

Port Wakefield 34 11 S 138 09 E
 Adelaide (Port Adelaide)
 34 47 S 138 30 E
 P Q Y G C R B T A

Glenelg 34 59 S 138 31 E
 Port Stanvac 35 07 S 138 28 E
 Rapid Bay 35 31 S 138 11 E
 Cape Jervis 35 36 S 138 06 E
 Port Elliot 35 34 S 138 40 E
 Port Caroline 36 50 S 139 50 E
 Kingston 36 50 S 139 51 E
 Cape Jaffa 36 58 S 139 39 E
 Robe 37 10 S 139 45 E
 Beachport 37 30 S 140 01 E
 Cape Northumberland 38 04 S 140 40 E

VICTORIA

Cape Nelson 38 26 S 141 32 E
 Portland 38 21 S 141 37 E
 P Q Y G C B T

Port Fairy 38 23 S 142 14 E
 Warrnambool 38 24 S 142 29 E
 Cape Otway 38 51 S 143 31 E

TASMANIA

King Island 39 50 S 144 00 E
 Grassy 40 04 S 144 09 E
 Bridport 40 59 S 147 22 E
 River Tamar
 Inspection Head 41 09 S 146 49 E
 Georgetown 41 06 S 146 49 E
 Beauty Point 41 10 S 146 49 E
 Bell Bay 41 08 S 146 52 E
 Launceston 41 26 S 147 08 E
 P Q Y G C R L B T A

Devonport 41 11 S 146 22 E
 P Q Y G C R L B T A

134B

Ulverstone 41 14 S 146 10 E
 Burnie 41 03 S 145 55 E
 P Q Y G C R B T A
 Port Latta 40 51 S 145 23 E
 Y T A

Stanley 40 46 S 145 18 E
 Macquarie Harbour
 Strahan 42 10 S 145 20 E
 Huon River
 Port Huon 43 10 S 147 00 E
 Margate 43 02 S 147 16 E
 Electrona 43 05 S 147 17 E
 River Derwent
 Hobart 42 52 S 147 20 E
 P Q Y G C R B T A

Risdon 42 49 S 147 19 E
 Spring Bay 42 33 S 147 56 E
 Triabunna 42 27 S 147 56 E
 Eddystone Point 41 00 S 148 21 E
 Flinders Island 40 00 S 148 00 E

134C

VICTORIA

Port Phillip Bay
 Port Phillip 38 18 S 144 38 E
 Queenscliff 38 16 S 144 40 E
 Geelong 38 07 S 144 23 E
 P Q Y G C R B A

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
 P Q Y G C R L B D T A

Portsea 38 19 S 144 43 E
 Hastings (Westernport) 38 20 S 145 15 E
 P Q G R B T A

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

134D

NEW SOUTH WALES

Twofold Bay
 Eden 37 04 S 149 55 E
 Y G C B T A

Jervis Bay 35 06 S 150 47 E
 Port Kembla 34 28 S 150 54 E
 Q Y G R B T A

Bulli 34 20 S 150 55 E
 Botany Bay 34 00 S 151 14 E
 P Q G C R B T A

Port Botany 33 58 S 151 13 E
 Kurnell 34 00 S 151 14 E
 Port Jackson 33 50 S 151 17 E

134A

Sydney 33 50 S 151 15 E
 P Q Y G C R L B D T A

135A

Catherine Hill Bay 33 10 S 151 38 E
 Newcastle 32 56 S 151 47 E
 P Y G C R L B D T A

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
 G C B D T A
 Grafton 29 42 S 152 57 E
 Ballina 28 52 S 153 37 E

QUEENSLAND

Brisbane 27 19 S 153 10 E
 P Q Y G C R B T A

135B

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 32 S 152 43 E
 Urangan 25 17 S 152 55 E
 Bundaberg 24 46 S 152 23 E
 P Q Y G B T A

Gladstone 23 50 S 151 15 E
 P Q Y G C B T A

Port Alma 23 35 S 150 52 E
 P Q Y G C A

Rockhampton 23 24 S 150 33 E
 Hay Point (Dalrymple Bay) 21 16 S 149 18 E
 Y B T A

Flat Top Island 21 10 S 149 13 E
 Mackay 21 06 S 149 13 E
 P Q Y G B T A

135C

Hayman Island 20 04 S 148 52 E
 Port Denison
 Bowen 20 01 S 148 15 E
 Abbot Point 19 51 S 148 04 E
 Y T

Townsville 19 15 S 146 50 E
 P Q Y G C R L B T A

Great Palm Island
 Challenger Bay 18 44 S 146 34 E
 Lucinda 18 31 S 146 20 E
 Y T

Mourilyan 17 36 S 146 07 E
 Y T

Innisfail 17 31 S 146 05 E
 Cairns 16 56 S 145 47 E
 P Q Y G C L B D T A

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
 Y

135D

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
 Y G C R B T A

Raglan 37 46 S 174 54 E
 Taharoa Terminal 38 10 S 174 40 E
 Y

Waitara 39 00 S 174 14 E

NEW ZEALAND *continued*

New Plymouth (Taranaki)
 39 04 S 174 05 E

P Q Y G C R B T A

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

Y G B T A

Port Nicholson 41 19 S 174 51 E
 Wellington 41 17 S 174 46 E

P Q Y G C R B T A

Hawke Bay
 Napier 39 29 S 176 55 E

P Q Y G C R B T A

Eastland Port (Gisborne)
 38 41 S 178 02 E

P Y G C B T A

Tokomaru 38 06 S 178 21 E
 East Cape 37 41 S 178 33 E
 Whakatane 37 57 S 177 00 E
 Tauranga Harbour

P Q Y G C R L B T A

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

P Q Y G C R L B D T A

Whangarei Harbour

Y G C B T A

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

B T A

Whangaroa 35 03 S 173 48 E

SOUTH ISLAND

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

Y G C R L B T A

Nelson 41 16 S 173 19 E

P Q Y G C R B T A

Tarakohe 40 51 S 172 54 E
 Cape Farewell 40 30 S 172 41 E
 Westport 41 44 S 171 35 E

Q Y G L T A

Greymouth 42 26 S 171 13 E

Y G C R B A

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

P Q Y G C R B T A

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

P Q Y G C R B T A

Port Chalmers 45 49 S 170 37 E
 Oamaru 45 07 S 170 59 E
 Timaru 44 23 S 171 15 E

P Q Y G C R B T A

Akaroa 43 51 S 172 56 E

136A

Lyttelton 43 37 S 172 43 E

P Q Y G C R B D T A

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)

P Q Y G A

Cascade Bay 29 01 S 167 59 E

PACIFIC ISLANDS

NEW CALEDONIA (France)

Noumea 22 17 S 166 26 E

P Q Y G C R B T A

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

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

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

Espiritu Santo Island
 Luganville Bay 15 31 S 167 09 E
 Santo 15 31 S 167 10 E

P Q Y G C R B T A

Palikulo Bay 15 29 S 167 14 E

FIJI

Viti Levu Island
 Suva 18 08 S 178 25 E

P Q 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

137A

p.12/13

p.48/49

Lautoka 17 36 S 177 26 E

P Q 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

P G T A

Savusavu 16 46 S 179 20 E
 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 Q G B T 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
 Niuafoou Island 15 36 S 175 38 W
 Niuaotupapu Island 15 58 S 173 46 W

SAMOA

Savaii Island
 Asau 13 30 S 172 38 W
 Salelologa 13 44 S 172 12 W

Upolu Island
 Apia 13 49 S 171 46 W

P Y G C R B 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

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 Q G C R B D T A

Moorea Island
 Paopao 17 30 S 149 49 W

Australes (Tubuai) Islands
 Tubuai Island

Mataura 23 22 S 149 28 W

Raivavae Island
 Rairua 23 52 S 147 41 W

138A

137B

137C

137D

138B

138C

138D

p.12/13

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

GEOGRAPHIC INDEX

115

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

139A

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

p.48/49

TOKELAU (New Zealand)

Atafu Island 8 32 S 172 31 W

TUVALU

139B

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

139C

P G C 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

p.12/13

Line Islands
 Teraina (Fanning Island)
 3 51 N 159 22 W
 Tabuaeran (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 Q G B T A
 Wahiawa Bay 21 54 N 159 35 W
 Nawiliwili 21 57 N 159 21 W
 P Q Y G C R L T A
 Ahukini Landing 21 59 N 159 20 W

Oahu Island
 Honolulu 21 18 N 157 52 W
 P Q Y G C R L 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

140A

Molokai Island
 Kaunakakai 21 05 N 157 02 W
 Q G R B

Kolo Harbour 21 06 N 157 12 W
 Lanai Island
 Kaunapali 20 56 N 156 42 W
 Lahaina 20 52 N 156 41 W
 Kahului 20 54 N 156 28 W
 P Q Y G C R L 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 Q Y G C R T A

Kailua Kona 19 38 N 155 59 W
 Honuapo 19 05 N 155 33 W
 Hilo 19 44 N 155 04 W
 P Q Y G C R L 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

140B

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 Q Y G C R B D T

Vrangel Bay
 Vostochnyy 42 45 N 133 04 E
 Q Y G C R B T

Moryak-Rybolov 43 20 N 134 47 E
 Olga Bay
 Olga 43 44 N 135 16 E
 P Y G B A

Rudnaya Pristan 44 20 E 135 51 E
 Plastun 44 43 N 136 15 E
 Amgu 45 49 N 137 40 E
 Svetlaya River 46 32 N 138 20 E
 Nelma 47 38 N 139 10 E
 Sovetskaya Gavan 49 02 N 140 20 E
 Vanino 49 05 N 140 16 E
 Y G C R B T

Sakhalin Island
 Shakhtersk 49 09 N 142 03 E
 Y B A

Ulegorsk 49 04 N 142 01 E
 Y G

Telnovski 49 01 N 142 01 E
 Chinnai 48 35 N 142 05 E
 Krasnogorsk 48 22 N 142 09 E
 Kushunnai 47 59 N 142 13 E
 Tomari 47 46 N 142 03 E
 Kholmok 47 03 N 142 03 E
 Y G C R B T A

Yasnomorskiy 46 45 N 141 54 E

140D

Nevelsk 46 40 N 141 51 E
 Y G B D T

141A

Gornozavodsk 46 34 N 141 49 E
 Cape Krilon 45 53 N 142 07 E
 Aniva Bay
 Aniva 46 43 N 142 31 E
 Korsakov 46 40 N 142 45 E
 P Y G C B T A

Novikovo 46 23 N 143 19 E
 Cape Aniva 46 02 N 143 25 E
 Makarov 48 38 N 142 47 E
 Terpeniya Bay
 Nairo 49 05 N 143 00 E
 Poronaysk 49 13 N 143 07 E
 Y B

Oleniy 49 27 N 143 17 E
 Pogranichnoye 50 22 N 143 43 E
 Nabil Bay
 Katangli 51 42 N 143 14 E
 Nabil 51 42 N 143 18 E
 Nogliki 51 50 N 143 12 E
 Anuchena 51 51 N 143 10 E
 Nivo 51 52 N 143 10 E
 Chayvo 52 22 N 143 10 E
 Vityaz Terminal 52 42 N 143 33 E
 Urkt Bay
 Okha 53 35 N 143 01 E
 Moskalvo 53 35 N 142 30 E
 Khoe 51 17 N 142 10 E
 Tangi 51 14 N 142 10 E
 Aleksandrovsk-Sakhalinskiy
 50 53 N 142 07 E
 Y G T A

p.14

Makarevskiy 50 50 N 142 07 E
 Oktyabrskiy 50 45 N 142 05 E
 Agnevo 50 31 N 142 04 E
 Pilvo 50 03 N 142 10 E
 Ambetsu 49 58 N 142 10 E
 Boshnyakova 49 35 N 142 12 E
 Lesogorsk 49 27 N 142 08 E
 Kitakaozawa 49 24 N 142 06 E
 Siziman 50 43 N 140 25 E
 Chikhacheva Gulf
 De Kastri 51 28 N 140 47 E
 P Y G T

141B

Lazarev 52 14 N 141 31 E
 P Y G

Amur River
 Nikolayevsk 53 08 N 140 43 E
 Y G C B T A

Mago 53 15 N 140 13 E
 Y G T

Nizhnyaya Gavan 52 24 N 140 26 E
 Komsomolsk 50 32 N 136 59 E
 Khabarovsk 48 30 N 135 10 E
 Songhua River
 Tongjiang (China) 47 38 N 132 30 E
 Y G R

Fujin (China) 47 15 N 132 01 E
 Y G

Jiamusi (China) 46 48 N 130 21 E
 Y G C T

Harbin (China) 45 44 N 126 36 E
 Y G T

Heihe (China) 50 14 N 127 28 E
 G R

141C

Chumikan 54 43 N 135 18 E
 Ayan 56 27 N 138 09 E
 Okhotsk 59 21 N 143 10 E
 Nagayeva Bay
 Magadan 59 38 N 150 50 E
 Ola 59 32 N 151 20 E
 Kamchatka Peninsula
 Ust-Penzhino 62 30 N 165 09 E
 Ust-Khayruzovo 57 05 N 156 50 E
 Krutogorova River 55 02 N 155 36 E
 Kikchik 53 28 N 156 01 E
 Mikoyanovsk 52 34 N 156 18 E
 Ozernovskiy 51 28 N 156 31 E

141D

RUSSIA *continued*

Cape Lopatka 50 52 N 156 40 E
 Kurile Islands
 Shumshu Island 50 45 N 156 20 E
 Babushkino 50 38 N 156 23 E
 Paramushir Island
 Severo Kurilsk 50 41 N 156 07 E
 Shelikhova Bay 50 23 N 155 35 E
 Onkotan Island
 Nemo Bay 49 44 N 154 42 E
 Shiashkotan Island
 Otome Bay 48 48 N 154 05 E
 Matua Island 48 06 N 153 12 E
 Simushir Island
 Milne Bay 46 53 N 151 52 E
 Urup Island
 Shukina Bay 45 37 N 149 27 E
 Iturup Island
 Kasatka Bay 44 58 N 147 46 E
 Burevestnik 44 57 N 147 37 E
 Kunashir Island
 Yuzhno Kurilsk 44 03 N 145 48 E
 Donuchaeva Bay 44 30 N 146 11 E
 Shikotan Island
 Shikotan 43 51 N 146 47 E
 Kamchatka Peninsula
 Akhomten Bay 52 27 N 158 30 E
 Avachinskaya Bay
 Petropavlovsk-Kamchatskiy
 53 01 N 158 38 E
 Shubertovo 56 02 N 161 57 E
 Usk-Kamchatsk 56 13 N 162 29 E
 Ossora 59 16 N 163 08 E
 Korfa Bay
 Korf 60 22 N 166 01 E
 Cape Navarin 62 14 N 179 08 E
 Beringovskiy 63 08 N 179 30 E
 Anadyrskiy Bay
 Anadyr 64 44 N 177 32 E
 Y G C R T A
 Uelkal 65 32 N 179 13 W
 Egvekinot 66 20 N 179 02 W
 Provideniya Bay
 Provideniya 64 22 N 173 19 W
 Cape Uellen 66 09 N 169 43 W
 Koliuchin Bay 67 00 N 175 00 W
 Cape Shmidta 68 56 N 179 28 W
 Cape Shelagskiy 70 06 N 170 25 E
 Pevek 69 43 N 170 18 E
 Kolyma River
 Pokhodsk 69 06 N 160 55 E
 Cape Chukochi 70 06 N 160 10 E
 Indigirka River
 Ostenga 70 39 N 148 38 E
 Chikhacheva 72 17 N 146 53 E
 Cape Borkhaya 71 55 N 132 40 E
 Tiksinaki 71 37 N 129 01 E
 Tiksi 71 40 N 129 00 E
 River Lena
 Yakutsk 62 01 N 129 44 E
 Khatanga Bay
 River Khatanga
 Khatanga 71 58 N 102 25 E
 Y G B A
 Cape Chelyuskina 77 43 N 104 16 E
 KARA SEA
 Gulf of Yenisei
 Dikson 73 30 N 80 24 E
 Golchikka 71 43 N 83 33 E
 River Yenisei
 Dudinka 69 24 N 86 10 E
 Igarka 67 30 N 86 40 E
 Y B T A
 Gulf of Ob
 River Tambey
 Tambey 71 31 N 71 55 E
 Novyy Port 67 42 N 72 58 E
 River Ob
 Salekhard 66 33 N 66 35 E
 Amderma 69 44 N 61 35 E
 Vaygach Island
 Varnek 69 45 N 60 01 E
 Novaya Zemlya 76 17 N 61 05 E
 Varandey 68 47 N 57 58 E

142A

p.38/39

142B

p.14

142C

142D

BARENTS SEA

River Pechora
 Naryan Mar 67 39 N 53 01 E
 Y G B T
 Kolguyev Island
 Bugrino 68 46 N 49 14 E
 Kanin Peninsula
 Cape Kanin 68 40 N 43 17 E
 Gulf of Mezen
 Mezen 65 51 N 44 15 E
 G B T
 Kamenka 65 53 N 44 11 E
 WHITE SEA
 Lapominka Island 64 46 N 40 30 E
 Ekonomiya 64 42 N 40 31 E
 Solombola 64 35 N 40 31 E
 Archangel (Arkhangelsk) 64 32 N 40 30 E
 P Q Y G C B D T A
 Bakaritsa 64 30 N 40 36 E
 Severodvinsk (Molotovsk) 64 35 N 39 47 E
 Onega 63 55 N 38 06 E
 Y G T
 Belomorsk 64 32 N 34 48 E
 Nadvoitsy 63 56 N 34 20 E
 Shuya 64 44 N 34 42 E
 Kem 65 00 N 34 47 E
 Pongoma 65 21 N 34 25 E
 Keret 66 18 N 33 34 E
 Kovda 66 41 N 32 52 E
 Vitino 66 54 N 32 20 E
 P Q B T
 Kandalaksha 67 08 N 32 26 E
 Y G B
 Umba 66 40 N 34 18 E
 Cape Orlov-Terskiy 67 12 N 41 20 E
 BARENTS SEA
 Iokanka (Iokanski) Bay
 Iokanka River
 Iokanka 68 03 N 39 31 E
 Kola Inlet
 Vayenga Bay
 Severomorsk 69 05 N 33 27 E
 Murmansk 68 58 N 33 05 E
 P Y G C R B D T A
 Rosta 69 00 N 33 05 E
 Kola 68 53 N 33 02 E
 Saida Bay 69 15 N 33 15 E
 Polyarnyy 69 13 N 33 26 E
 Port Vladimir 69 25 N 33 09 E
 Trifona 69 36 N 31 16 E
 Pechenga 69 33 N 31 10 E
 Linakhamari 69 39 N 31 22 E
 NORWAY
 Svalbard
 Bear Island (Bjornoya)
 Austervag 74 30 N 19 12 E
 Barents Island
 Cape Bessels 78 35 N 21 50 E
 Spitsbergen
 Sveagruva 77 50 N 16 51 E
 Braganza Bay 77 55 N 16 59 E
 Gronfjord
 Barentsburg 78 05 N 14 13 E
 Coles Bay
 Grumantbyen 78 10 N 15 10 E
 Advent Bay
 Longyearbyen 78 15 N 15 35 E
 Templefjord 78 23 N 16 50 E
 Kongsfjord
 Ny Alesund 78 55 N 11 56 E
 Magdalenefjord 79 34 N 11 00 E
 Smeerenburgfjord 79 44 N 11 01 E
 Jan Mayen Island
 Cape Fishburn 71 00 N 8 10 W

143A

p.20/21

143B

143C

p.14

143D

GREENLAND (Denmark)

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 T
 Ikkatseq 65 38 N 37 57 W
 Umivik 64 15 N 40 50 W
 Skjoldungen 63 14 N 41 27 W
 Qutleq 62 31 N 42 13 W
 Tingmiarmiut Fjord 62 30 N 42 12 W
 Ikerasassuaq (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 T
 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 T
 Narsarsuaq 61 09 N 45 26 W
 P G T A
 Narsaq 60 54 N 45 59 W
 P G C B T
 Ivittuut 61 12 N 48 10 W
 Kangilinnuguit (Gronnedal) 61 12 N 48 06 W
 G B
 Paamiut (Frederikshaab) 62 00 N 49 40 W
 P G C B T
 Fiskenaeset 63 05 N 50 41 W
 Kangerluarsoruseq (Faeringehavn)
 63 42 N 51 33 W
 P G B T A
 Nuuk (Godthaab) 64 10 N 51 44 W
 P Q G C B T A
 Tovqussaq 64 52 N 52 12 W
 Maniitsoq (Sukkertoppen) 65 25 N 52 54 W
 G C B T
 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 T A
 Nordre Stromfjord 67 45 N 52 20 W
 Aasiaat (Egedesminde) 68 43 N 52 53 W
 G C B T
 Qasigiannuguit (Christianshaab)
 68 49 N 51 11 W
 P G C T
 Ilulissat (Jakobshavn) 69 13 N 51 06 W
 G C B A
 Disko Island
 Qeqertarsuaq (Godhavn)
 69 15 N 53 33 W
 G B

144A

144B

144C

144D

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

U.S.A. continued

Mitkof Island
 Petersburg 56 49 N 132 57 W
 P G B A

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

Prince of Wales Island
 Dora Bay 55 14 N 132 13 W
 Kasaan 55 32 N 132 24 W
 Tolstoi Bay 55 40 N 132 31 W
 Klawock 55 33 N 133 06 W
 G T A

Craig 55 28 N 133 09 W
 P G C B T

Hydaburg 55 12 N 132 49 W
 Y G B

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 L D T A

Annette Island
 Metlakatla 55 08 N 131 34 W
 Y G R T A

CANADA

BRITISH COLUMBIA

Stewart 55 55 N 130 00 W
 Y G B A

Anyox 55 25 N 129 48 W
 Port Simpson 54 35 N 130 28 W
 Prince Rupert 54 19 N 130 22 W
 P Q Y G R L 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 L 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 A

William Head 48 20 N 123 32 W
 Esquimalt 48 26 N 123 26 W
 Victoria 48 25 N 123 23 W
 G L 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

148A

148B

148C

148D

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

Crofton 48 52 N 123 38 W
 Y T A

Chemainus 48 55 N 123 42 W
 Y T 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 L 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

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

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
 Ioco 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

Richmond 49 09 N 123 10 W
 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

Sandy Point 48 49 N 122 47 W
 Bellingham 48 45 N 122 30 W
 P Y G R L 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

149A

149B

149C

149D

Seattle 47 38 N 122 20 W
 P Y G C R L 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 L 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

Knapppton 46 17 N 123 49 W
 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 B A

Vancouver 45 38 N 122 40 W
 P Q Y G C R B T A

Troutdale 45 32 N 122 23 W

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 47 W
 The Dalles 45 35 N 121 11 W
 P Y A

Pasco 46 13 N 119 05 W
 P Y G C

Umatilla 45 55 N 119 20 W
 P Y G C

St. Helens 45 52 N 122 48 W
 Prescott 46 03 N 122 53 W
 Rainier 46 05 N 122 56 W
 Westport 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 B 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

150A

150B

150C

150D

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

GEOGRAPHIC INDEX

119

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

151A

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 L 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
 Newport Beach 33 37 N 117 55 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

152A

La Cruz de Huanacastle 20 45 N 105 24 W
 Nuevo Vallarta 20 43 N 105 20 W
 Puerto Vallarta 20 37 N 105 16 W
 G R B 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 L B A
 Escondido 15 50 W 97 05 W
 Huatulco 15 45 N 96 08 W
 L A
 Puerto Angel 15 39 N 96 31 W
 Salina Cruz 16 10 N 95 11 W
 P Q Y G C B D A
 Ventosa Bay 16 10 N 95 10 W
 Puerto Chiapas (Puerto Madero)
 14 42 N 92 27 W
 P Y G C B T A

153A

CALIFORNIA (CA)
 Crescent City 41 45 N 124 12 W
 Humboldt Bay
 P Y G B T A

p.53

151B

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 B
 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
 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
 Q G B T A
 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
 P G A
 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

152B

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 B T
 Black Warrior Lagoon
 Guerrero Negro 27 59 N 114 10 W
 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
 Y G C L A
 La Paz 24 10 N 110 19 W
 P G B A
 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 L B
 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

p.59

152C

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
 EL SALVADOR
 Acajutla 13 36 N 89 50 W
 P Q Y G C R B T A
 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 A
 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
 NICARAGUA
 Corinto 12 28 N 87 11 W
 P Y Q G C R B T
 Puerto Sandino 12 11 N 86 47 W
 P Y G A
 Masachapa 11 46 N 86 32 W
 San Juan del Sur 11 15 N 85 53 W
 G L B
 COSTA RICA
 Golfo de Nicoya
 Punta Morales 10 00 N 84 58 W
 Puntarenas 9 59 N 84 51 W
 P G B A
 Caldera 9 54 N 84 44 W
 P Y G C R B T A
 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

153B

p.60/61

153C

151C

151D

152D

153D

COSTA RICA *continued*

Golfito 8 38 N 83 11 W

P G B A

Cocos Island

Wafer Bay 5 33 N 87 03 W

PANAMA

Armuelles 8 16 N 82 52 W

G B A

Charco Azul 8 13 N 82 52 W

P T A

Pedregal 8 21 N 82 26 W

Y B A

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

Y B A

Vacamonte 8 53 N 79 41 W

G B A

Panama Canal (*see Col. 172C*)

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

Y G C B T A

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

P G C B T A

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

P T A

Tepre Terminal 1 01 N 79 40 W

P B T A

Esmeraldas 0 58 N 79 41 W

P Y G C R B T A

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

Y G C R B T A

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

P Q Y G C R B D T A

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 B T A

154A

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

P Y G B T A

Negritos 4 39 S 81 19 W

Paita 5 05 S 81 07 W

P Y G C B T A

Puerto Bayovar 5 47 S 81 03 W

P Y B 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

P Q Y G C B T A

Guanape Islands 8 35 S 78 56 W

Coisco 9 01 S 78 37 W

Chimbote 9 05 S 78 38 W

P Y G C B D T A

Samanco Bay

Vesique 9 13 S 78 29 W

Casma 9 28 S 78 23 W

Huaramey 10 05 S 78 09 W

Paramonga 10 42 S 77 50 W

Supe 10 50 S 77 44 W

G T

Huacho 11 08 S 77 37 W

Mazorca Island 11 24 S 77 44 W

Chanccay 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

P Y G C R B D T A

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

General San Martin 13 50 S 76 16 W

Y G C B T A

San Nicolas 15 14 S 75 14 W

Y G B T A

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

P Q Y G C R B T A

Mollendo 17 01 S 72 02 W

P B T A

Ilo 17 38 S 71 21 W

P Y G C R B T A

CHILE

Arica 18 29 S 70 20 W

P Y G C B T A

Pisagua 19 33 S 70 14 W

Junin 19 36 S 70 14 W

Iquique 20 12 S 70 10 W

P Q Y G C B T A

155A

Caleta Toyos 20 28 S 70 12 W

Caleta Patillos 20 45 S 70 12 W

Y B A

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

P Y G T A

Gatico 22 30 S 70 16 W

Caleta Michilla 22 44 S 70 16 W

Mejillones 23 06 S 70 28 W

Y B A

Antofagasta 23 38 S 70 26 W

P Q Y G C R B T A

Caleta Coloso 23 45 S 70 28 W

Taltal 25 24 S 70 29 W

Chanaral 26 21 S 70 38 W

P Y G C B T A

Caleta Barquito 26 21 S 70 39 W

Caldera 27 04 S 70 53 W

P Y G B T A

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

P Q Y B T A

Cruz Grande 29 27 S 71 20 W

La Serena 29 50 S 71 15 W

Coquimbo 29 57 S 71 21 W

Y G C R B T A

Guayacan 29 58 S 71 22 W

P Q Y B A

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

P Y G C R B A

Quintero 32 46 S 71 30 W

P Q Y G B

Las Salinas 33 01 S 71 34 W

Valparaiso 33 01 S 71 38 W

P Q Y G C R B D T A

San Antonio 33 36 S 71 37 W

P Q Y G C R B T

Matanzas 33 59 S 71 54 W

Tome 36 37 S 72 57 W

Lirquen 36 43 S 72 59 W

Y G C B T 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 T 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

Y T

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 09 S 73 29 W

156A

155B

Caleta Barquito 26 21 S 70 39 W

Caldera 27 04 S 70 53 W

P Y G B T A

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

P Q Y B T A

Cruz Grande 29 27 S 71 20 W

La Serena 29 50 S 71 15 W

Coquimbo 29 57 S 71 21 W

Y G C R B T A

Guayacan 29 58 S 71 22 W

P Q Y B A

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

P Y G C R B A

Quintero 32 46 S 71 30 W

P Q Y G B

Las Salinas 33 01 S 71 34 W

Valparaiso 33 01 S 71 38 W

P Q Y G C R B D T A

San Antonio 33 36 S 71 37 W

P Q Y G C R B T

Matanzas 33 59 S 71 54 W

Tome 36 37 S 72 57 W

Lirquen 36 43 S 72 59 W

Y G C B T 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 T 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

Y T

Puerto Montt 41 28 S 72 57 W

P Y G C R B T A

154B

p.68

p.60/61

p.62/63

154C

154D

p.12/13

p.62/63

155C

155D

156B

p.48/49

p.62/63

156C

156D

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

GEOGRAPHIC INDEX

121

Castro 42 29 S 73 46 W
 G R A
 Chonchi 42 37 S 73 47 W
 Leutepo 42 57 S 73 35 W
 Puerto Quellon 43 09 S 73 37 W
 Puerto Carmen 43 09 S 73 46 W
 Chaiten 52 55 S 72 43 W
 Ascension Island
 Puerto Melinka 43 54 S 73 44 W
 Puerto Cisnes 44 44 S 72 42 W
 Puerto Aguirre 45 10 S 73 31 W
 Puerto Aisen 45 23 S 72 41 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

157A

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 B T
 Puerto Percy 52 55 S 70 17 W
 Q B
 Caleta Clarencia 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 B T

157B

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 T A
 Cape Horn 55 59 S 67 16 W

157C

ANTARCTICA
 Commonwealth Bay 67 00 S 142 00 E p.15
 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 p.10/11
 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

157D

BRITISH ANTARCTIC TERRITORY
 South Orkney Islands p.15
 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 p.62/63
 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

158A

ARGENTINA
 Ushuaia 54 49 S 68 17 W
 P Y G C R L B A
 Rio Grande 53 48 S 67 40 W
 San Sebastian Terminal 53 19 S 68 16 W
 P
 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 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

158B

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
 San Antonio Este 40 49 S 64 54 W
 G C B A

158C

Bahia Blanca 38 43 S 62 16 W
 P Q Y G B D 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 B T A
 Quequen 38 34 S 58 44 W
 Mar del Plata 38 01 S 57 32 W
 Q Y G C R L B T A
 Cape San Antonio 36 19 S 56 46 W
 River Plate p.64

Puerto Santiago 34 51 S 57 53 W
 Ensenada 34 52 S 57 54 W
 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

158D

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 B
 Atucha 33 59 S 59 17 W
 G
 Lima 33 58 S 59 11 W
 Y G C R T

San Pedro 33 42 S 59 39 W
 Y G B

159A

Puerto Obligado 33 38 S 59 48 W
 Ramallo 33 32 S 59 59 W
 P Y G B
 San Nicolas 33 20 S 60 13 W
 Y G B 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
 Timbues 32 38 S 60 44 W
 Y

159B

River Carcarana
 Gaboto 32 26 S 60 49 W
 Diamante 32 04 S 60 39 W
 Y G B 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 B 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

159C

PARAGUAY
 River Paraguay
 Villa Oliva 26 00 S 57 43 W
 Puerto Villeta 25 30 S 57 36 W
 Y G C T
 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 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

159D

River Uruguay
 Gualeguaychu 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 B A

URUGUAY *continued*

M'bopicua 33 07 S 58 15 W
 Y
 Nueva Palmira 33 53 S 58 25 W
 Y G B 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 Q
 Porto Laguna 28 30 S 48 45 W
 Imituba 28 17 S 48 40 W
 P Q Y G C R B T
 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
 Navegantes 26 53 S 48 39 W
 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
 Sao Sebastiao Island
 Ilhabela 23 46 S 45 21 W
 Ilha Grande Bay
 Parati 23 13 S 44 43 W
 Angra dos Reis 23 01 S 44 19 W
 Y G R B 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 B T A

160A

160B

160C

160D

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
 Y G B T A
 Arraial do Cabo 22 58 S 42 02 W
 Forno 22 58 S 42 01 W
 Y G
 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 B T 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 T
 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 T A
 Suape 8 24 S 34 57 W
 P Q G C R B
 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
 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

161A

161B

p.62/63

161C

161D

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
 Itaquí 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
 Salinópolis 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 B 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
 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
 Porto Chibatao 3 10 S 59 59 W
 G C B T A
 Manaus 3 09 S 60 01 W
 P Q Y G C R B T A
 Coari 4 08 S 63 07 W
 Benjamim 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

162A

162B

162C

162D

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
 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

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

GEOGRAPHIC INDEX

123

SURINAME

163A

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
 Smalkalden 5 37 N 55 05 W
 Paranam 5 36 N 55 05 W
 Nickerie River
 Nieuw Nickerie 5 57 N 57 00 W
 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
 Everton 6 11 N 57 31 W
 Demerara River
 Georgetown 6 49 N 58 11 W
 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
 Ciudad Guayana 8 22 N 62 38 W
 San Felix 8 22 N 62 40 W
 Palua 8 22 N 62 42 W
 Puerto Ordaz 8 21 N 62 43 W
 Punta Cuchillo 8 19 N 62 49 W
 Matanzas 8 17 N 62 51 W
 Ciudad Bolivar 8 08 N 63 33 W
 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
 Guiria 10 34 N 62 18 W
 Puerto de Hierro 10 38 N 62 06 W
 Carupano 10 41 N 63 15 W

163B

p.60/61
 163C

163D

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
 Los Hermanos Islands 11 45 N 66 28 W
 Araya 10 34 N 64 15 W
 Puerto Sucre 10 28 N 64 12 W
 Cumana 10 28 N 64 11 W
 Mochima 10 21 N 64 20 W
 Manare 10 25 N 64 21 W
 Pertigalete Bay
 Pertigalete 10 15 N 64 33 W
 Pamatacuai 10 14 N 64 34 W
 Pamatacuaito 10 14 N 64 35 W
 Guanta 10 15 N 64 36 W
 El Chaure 10 15 N 64 37 W
 Guaraguao 10 14 N 64 38 W
 Puerto la Cruz 10 13 N 64 38 W
 Bergantin 10 15 N 64 39 W
 Barcelona 10 08 N 64 42 W
 Puerto Jose 10 06 N 64 51 W
 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
 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
 El Palito 10 29 N 68 07 W
 Moron 10 31 N 68 10 W
 Tucacas 10 48 N 68 19 W
 Chichiriviche 10 55 N 68 16 W
 Tucupido 11 31 N 69 20 W
 Cumarebo 11 30 N 69 21 W
 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
 Las Piedras 11 43 N 70 13 W
 Punto Fijo 11 41 N 70 16 W
 Guaranao Bay 11 40 N 70 13 W
 Punta Botija 11 37 N 70 14 W
 Punta Cardon 11 36 N 70 15 W
 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
 El Tablazo 10 45 N 71 32 W
 La Estacada 10 43 N 71 32 W
 Punta Camacho 10 33 N 71 32 W
 Punta Icoetea 10 24 N 71 29 W
 Cabimas 10 22 N 71 29 W
 La Salina 10 22 N 71 28 W
 Tia Juana 10 15 N 71 22 W
 Las Morochas 10 13 N 71 20 W

164A

164B

164C

164D

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
 Coloncha 9 12 N 71 45 W
 Punta Palmas 10 27 N 71 38 W
 Bajo Grande 10 31 N 71 36 W
 Punta Piedras 10 34 N 71 36 W
 San Francisco 10 36 N 71 39 W
 Maracaibo 10 39 N 71 36 W

165A

COLOMBIA

Puerto Bolivar 12 16 N 71 57 W
 Rio Hacha 11 33 N 72 55 W
 Santa Marta 11 15 N 74 13 W
 Pozos Colorados Terminal 11 09 N 74 15 W
 Puerto Zuniga (Puerto Prodeco)
 11 09 N 74 13 W
 Puerto Drummond 11 07 N 74 16 W
 Cienaga 11 01 N 74 15 W
 Magdalena River
 Barranquilla 10 58 N 74 47 W
 Puerto Colombia 11 00 N 74 58 W
 Savanilla 11 00 N 74 58 W
 Cartagena 10 25 N 75 32 W
 Mamonal 10 19 N 75 31 W
 Tolu 9 16 N 75 35 W
 Covenas 9 25 N 75 41 W
 Puerto Cispata 9 24 N 75 47 W
 Turbo 8 04 N 76 44 W
 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

165B

165C

ARUBA (Netherlands)

Druif 12 32 N 70 04 W
 Oranjestad 12 31 N 70 00 W
 Barcadera 12 29 N 70 00 W
 San Nicolas Bay 12 26 N 69 55 W

165D

NETHERLANDS ANTILLES (Netherlands)

Curacao Island
 Bullen Bay 12 11 N 69 01 W
 St. Michiel's Bay 12 09 N 69 01 W
 St. Anna Bay 12 07 N 68 57 W
 Willemstad 12 07 N 68 56 W
 Schottegat
 Emmastad 12 08 N 68 56 W

NETHERLANDS ANTILLES *continued*

166A

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 L B T A

Salina 12 05 N 68 17 W

TRINIDAD AND TOBAGO

Trinidad

Point Fortin 10 11 N 61 41 W

Q B T 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 A

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

G B T A

Galeota Point Terminal 10 08 N 61 00 W

P A

Tobago

Scarborough 11 11 N 60 44 W

P G R L 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

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

BARBADOS

Bridgetown 13 06 N 59 36 W

P Q Y G C L 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 T 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 T A

Castries 14 01 N 61 00 W

Y G C R L 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 L 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 R B A L

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 L 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 L B T A

Nevis

Charlestown 17 08 N 62 37 W

Long Point 17 07 N 62 37 W

P Y G C B A

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 T A

St. Maarten/St. Martin (Netherlands/

France)

Groote 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

Sombbrero 18 36 N 63 28 W

BRITISH VIRGIN ISLANDS (United Kingdom)

Tortola

P G C R L B A

Road Harbour 18 25 N 64 37 W

167A

U.S. VIRGIN ISLANDS (United States of America)

168A

St. John

G R

Cruz Bay 18 20 N 64 47 W

St. Thomas

G R L T A

Charlotte Amalie 18 20 N 64 56 W

St. Croix

Christiansted 17 46 N 64 41 W

G C R L B T A

Frederiksted 17 43 N 64 53 W

G C R L B T A

Krause Lagoon

Port Alucroix 17 42 N 64 46 W

St. John

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

168B

PUERTO RICO (United States of America)

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 L 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

Penuelas 18 00 N 66 45 W

Q

Tallaboa Bay 17 59 N 66 44 W

Ponce 17 58 N 66 39 W

P Y G C R L B T A

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

168C

DOMINICAN REPUBLIC

Manzanillo 19 43 N 71 45 W

G B A

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 L B T 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

168D

167B

167C

167D

166B

166C

166D

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

GEOGRAPHIC INDEX

125

Arroyo Barril (Puerto Duarte) 19 12 N 69 26 W **169A**

Y G C B T A

Sanchez 19 14 N 69 36 W
 Cape Engano 18 36 N 68 19 W
 La Romana 18 25 N 68 57 W

Y G C L 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

Santo Domingo 18 28 N 69 53 W

P Y G C R L 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
 Azua (Puerto Tortuguero) 18 25 N 70 40 W
 Puerto Viejo de Azua 18 30 N 70 40 W

Q R B

Barahona 18 12 N 71 04 W

Y G B T A

Cabo Rojo 17 54 N 71 40 W

Y

HAITI

Jacmel 18 13 N 72 31 W
 Aquin 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 A

Petit Goave 18 26 N 72 52 W
 Leogane 18 31 N 72 38 W
 Port au Prince 18 33 N 72 21 W

P Q Y G C R L 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 Liberte 19 41 N 71 51 W

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 A

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 B A

Alligator Pond 17 52 N 77 35 W
 Port Kaiser 17 53 N 77 36 W **170A**

Y G B A

Black River 18 01 N 77 53 W
 Bluefields 18 10 N 78 02 W
 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 B 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) **170B**

Grand Cayman Island

George Town 19 18 N 81 23 W

P Q G C R L 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 A

Batabano 22 41 N 82 18 W
 Isla de la Juventud (Isla de Pinos)

Nueva Gerona 21 55 N 82 46 W **171A**

G A

Rio Coloma 22 15 N 83 34 W
 Arroyos Anchorage 22 21 N 84 23 W
 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

Regla 23 08 N 82 20 W
 Matanzas 23 03 N 81 34 W

Q Y G

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

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
 Manati 21 22 N 76 49 W

Q Y G T

Puerto Padre 21 17 N 76 32 W

P Q G

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 A

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 A

Punta Gorda 20 38 N 74 51 W
 Baracoa 20 21 N 74 29 W

G T A

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

169B

169C

169D

170B

170C

170D

171B

171C

171D

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

BAHAMAS

Great Inagua Island
 Matthew Town 20 57 N 73 41 W
 Little Inagua Island 21 30 N 73 00 W
 Coco Cay 22 09 N 75 42 W
 Ragged Island 22 14 N 75 45 W
 Long Island 23 41 N 75 21 W
 San Salvador Island 24 00 N 74 30 W
 Rum Cay 23 41 N 74 51 W
 Little Exuma Island 23 23 N 75 30 W
 Great Exuma Island
 Exuma 23 34 N 75 49 W
 Little San Salvador 24 34 N 75 56 W
 Half Moon Cay 24 35 N 75 58 W
 Princess Cays 24 35 N 76 05 W
 Eleuthera Island 25 23 N 76 33 W
 New Providence Island
 Nassau 25 04 N 77 21 W
 P Q G C R L B T A
 Salt Cay 25 06 N 77 16 W
 Clifton Pier 25 00 N 77 33 W
 Andros Island 24 43 N 77 47 W
 Berry Islands 25 49 N 77 57 W
 Bimini Islands
 Barnett Harbour 25 38 N 79 20 W
 Gun Cay 25 35 N 79 19 W
 Ocean Cay 25 25 N 79 13 W
 Great Abaco Island
 Hole in the Wall 25 51 N 77 10 W
 Marsh Harbour 26 31 N 77 05 W
 Castaway Cay 26 05 N 77 32 W
 Grand Bahama Island
 Freeport 26 31 N 78 47 W
 P Y G C R L B T A
 Lucaya 26 32 N 78 40 W
 South Riding Point 26 36 N 78 13 W
 P B T A

PANAMA

Gulf of San Blas 9 34 N 79 01 W
 Puerto Bello 9 33 N 79 39 W
 Las Minas Bay
 P B T A
 Payardi Island 9 24 N 79 50 W
 Manzanillo 9 22 N 79 52 W
 C R B T A
 Coco Solo 9 22 N 79 53 W
 Y G C B T A
 Colon 9 22 N 79 55 W
 Cristobal 9 21 N 79 55 W
 P G C R B A
 Panama Canal
 Gatun 9 16 N 79 55 W
 Gamboa 9 07 N 79 42 W
 Balboa 8 57 N 79 34 W
 P Q Y G C B D T A
 Chiriqui Grande 8 58 N 82 06 W
 P Y G C B
 Almirante 9 17 N 82 23 W
 P G A
 Bocas del Toro 9 20 N 82 15 W
COSTA RICA
 Puerto Vargas 9 44 N 82 48 W
 Puerto Limon 10 00 N 83 03 W
 P Q Y G C R B T A
 Puerto Moin 10 00 N 83 05 W
 Barra Colorado 10 47 N 83 35 W
NICARAGUA
 San Juan del Norte 10 57 N 83 43 W
 El Bluff 12 01 N 83 44 W
 P G R B A
 River Escondido
 Arlen Siu (Rama) 12 13 N 84 15 W
 Bluefields 12 00 N 83 46 W
 Las Perlas 12 20 N 83 40 W

172A

172B

p.68

172C

p.60/61

172D

Man of War Cays 13 02 N 83 23 W
 Isla San Andres (Colombia)
 San Andres 12 33 N 81 41 W
 G C A
 Isla de Providencia (Colombia)
 13 23 N 81 22 W
 Puerto Benjamin Zeledon 13 19 N 83 37 W
 Puerto Cabezas 14 02 N 83 23 W
 G B A
 Puerto Cabo Gracias a Dios
 15 00 N 83 10 W
 Serrana Bank (America/Colombia)
 14 28 N 80 17 W
 Quita Sueno Bank (America/Colombia)
 14 29 N 81 08 W

HONDURAS

Swan Islands 17 25 N 83 55 W
 Santa Rosa de Aguan 15 55 N 85 40 W
 Puerto Castilla 16 01 N 86 03 W
 Q G C R A
 Trujillo 15 51 N 86 00 W
 Guanaja Island 16 25 N 85 58 W
 Roatan Island 16 16 N 86 40 W
 La Ceiba 15 47 N 86 45 W
 G A
 Porvenir 15 45 N 86 54 W
 Utila Island 16 04 N 87 02 W
 Tela 15 47 N 87 30 W
 Puerto Cortes 15 51 N 87 56 W
 P Q Y G C R B T A
 Omoa 15 47 N 88 04 W

GUATEMALA

Puerto Barrios 15 44 N 88 36 W
 P Y G C R T A
 Santo Tomas de Castilla 15 42 N 88 37 W
 P Q Y G C R B T A
 Livingston 15 50 N 88 45 W

BELIZE

Punta Gorda 16 06 N 88 48 W
 Big Creek 16 30 N 88 24 W
 Riversdale 16 32 N 88 20 W
 Commerce Bight 16 56 N 88 14 W
 Dangriga 16 58 N 88 14 W
 Belize City 17 30 N 88 11 W
 P G C R B T A
 Ambergris Cay
 San Pedro 17 55 N 87 57 W
 Corozal 18 22 N 88 24 W

MEXICO

Chetumal 18 30 N 88 18 W
 Dos Hermanos 18 35 N 88 06 W
 Xcalak 18 16 N 87 50 W
 Puerto Costa Maya 18 43 N 87 42 W
 L
 Akumal 20 24 N 87 18 W
 Cozumel Island
 Cozumel 20 30 N 86 57 W
 G L B
 Punta Venado 20 33 N 87 08 W
 Calica 20 36 N 87 05 W
 Playa del Carmen 20 38 N 87 04 W
 Puerto Morelos 20 50 N 86 54 W
 Cancun 21 08 N 86 48 W
 Puerto Juarez 21 11 N 86 48 W
 Isla Mujeres
 Puerto Mujeres 21 10 N 86 45 W
 Punta Sam 21 16 N 86 49 W
 El Cuyo 21 30 N 87 40 W
 Las Coloradas 21 36 N 88 01 W
 Rio Lagartos 21 34 N 88 10 W
 Dzilam 21 25 N 88 50 W
 Telchac 21 19 N 89 15 W

173A

173B

173C

173D

Progreso 21 17 N 89 40 W
 P Y G C R L B T A
 Yukalpeten 21 17 N 89 43 W
 G B A
 Sisal 21 10 N 90 02 W
 Cayo Arcas Terminal 20 11 N 91 59 W
 P T
 Campeche 19 51 N 90 33 W
 Lerma 19 48 N 90 36 W
 G T A
 Seybaplaya 19 38 N 90 40 W
 Carmen Island 18 31 N 91 52 W
 Laguna de Terminos
 Ciudad del Carmen 18 39 N 91 51 W
 G B
 River Grijalva
 Frontera 18 35 N 92 39 W
 G B A
 Dos Bocas 18 25 N 93 08 W
 P G B T A
 Rabon Grande Terminal 18 13 N 94 24 W
 Coatzacoalcos River
 Coatzacoalcos 18 09 N 94 25 W
 P Q Y G C B D T
 Nanchital 18 04 N 94 25 W
 P G B T A
 Minatitlan 18 00 N 94 32 W
 P Y G B T
 Alvarado 18 46 N 95 46 W
 Veracruz 19 12 N 96 08 W
 P Q Y G C R B D T A
 Nautla 20 17 N 96 47 W
 Tecolutla 20 28 N 97 00 W
 Gutierrez Zamora 20 27 N 97 05 W
 Punta Cazonas 20 45 N 97 11 W
 Tuxpan 20 59 N 97 20 W
 P Q Y G C L B T A
 Tamesi River
 Mata Redonda 22 14 N 97 49 W
 Tampico 22 13 N 97 53 W
 P Q Y G C R B D T A
 Altamira 22 29 N 97 53 W
 P Y G C R B T A
 Mezquital 25 08 N 98 21 W
U.S.A.
 TEXAS (TX)
 Rio Grande
 Brownsville 25 57 N 97 24 W
 P Q Y G C B D T A
 Port Isabel 26 04 N 97 12 W
 P Y G B T A
 Harlingen 26 11 N 97 41 W
 Y G
 Corpus Christi 27 48 N 97 23 W
 P Q Y G C B D T A R
 Ingleside 27 50 N 97 14 W
 Aransas Pass 27 53 N 97 08 W
 Rockport 28 01 N 97 02 W
 Fulton 28 03 N 97 02 W
 Harbor Island 27 52 N 97 04 W
 Port Aransas 27 50 N 97 04 W
 Victoria 28 48 N 96 59 W
 Y G A
 Port Lavaca 28 37 N 96 38 W
 Point Comfort 28 38 N 96 34 W
 Y G B D T A
 Palacios 28 42 N 96 13 W

174A

174B

174C

174D

p.59

p.54/55

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

GEOGRAPHIC INDEX

127

Brazos River
 Freeport 28 56 N 95 18 W
 P Q Y G C R B T A

175A

Galveston Bay
 Galveston 29 18 N 94 48 W
 P Y G C R L B D T A

Texas City 29 22 N 94 53 W
 P Q Y G B T A

Kemah 29 32 N 95 01 W
 Houston Ship Channel
 Bayport 29 37 N 95 01 W
 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

175B

P Q Y G C R B D T A

Port Bolivar 29 22 N 94 47 W
 Sabine Pass
 Sabine 29 43 N 93 52 W

P G B A

Port Arthur Canal
 Port Arthur 29 52 N 93 55 W

P Y G C R B D T A

Sabine-Neches Canal
 Neches River
 Atreco 29 59 N 93 53 W
 Port Neches 29 59 N 93 56 W

P Q

Smith's Bluff 30 00 N 93 59 W
 P Q T

Magpetco 30 02 N 93 59 W
 Beaumont 30 05 N 94 06 W
 P Q Y G C R B T A

Sabine River
 Orange 30 06 N 93 44 W
 Q G B D T A

175C

LOUISIANA (LA)
 Gulf Gateway Terminal 28 05 N 93 03 W
 Q

Calcasieu Lake
 Calcasieu River
 Lake Charles 30 13 N 93 15 W
 P Q Y G C R B T A

West Lake 30 14 N 93 15 W
 Intracoastal Waterway
 Iberia 30 00 N 91 51 W
 P Y G C

Jeanerette 29 54 N 91 40 W
 Morgan City 29 42 N 91 13 W
 Y G C R A

175D

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
 P Y G A

LOOP Terminal (Louisiana Offshore Oil
 Port) 28 53 N 90 02 W
 P B

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
 Y G C

176A

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
 P Q Y G C R B D T A

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
 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
 P Q Y G T A

176B

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 B

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
 Plaquemines 30 17 N 91 14 W
 P Q Y

Port Allen 30 28 N 91 12 W
 Baton Rouge 30 28 N 91 11 W
 P Y G C R B A

176C

Red River
 Shreveport Bossier 32 30 N 93 44 W
 P Y G C R

Vicksburg 32 20 N 90 53 W
 Greenville (MS) 33 25 N 91 04 W
 Y G C A

River Arkansas
 Little Rock (AR) 34 45 N 92 17 W
 Y G A

Muskogee (OK) 35 45 N 95 21 W
 P Y G A

Catoosa (OK) 36 11 N 95 46 W
 P Q Y G C R A

Tulsa (OK) 36 07 N 95 58 W
 River Mississippi
 Rosedale (MS) 33 51 N 91 01 W
 Y G A

Memphis (TN) 35 09 N 90 03 W
 P Y G A

River Ohio
 Paducah (KY) 37 05 N 88 37 W
 P Y G T

Mount Vernon (IN) 37 55 N 87 53 W
 Y G T A

Owensboro (KY) 37 45 N 87 06 W
 Y

176D

Tell City (KY) 37 57 N 86 46 W
 Y

177A

Louisville (KY) 38 14 N 85 46 W
 Y G A

Jeffersonville (IN) 38 17 N 85 44 W
 Y G A

Pittsburgh (PA) 40 26 N 79 58 W
 P Y G D

MISSISSIPPI (MS)

Pearlington 30 14 N 89 36 W
 Bienville 30 13 N 89 35 W
 Pass Christian 30 18 N 89 14 W
 Gulfport 30 21 N 89 05 W
 Y G C R L B T A

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
 P Q Y G R B D T A

177B

ALABAMA (AL)

Coden 30 22 N 88 14 W
 Mobile 30 41 N 88 03 W
 Y G C R B D T A

River Alabama
 River Tombigbee
 Columbus (MS) 33 30 N 88 25 W
 Y G C A

Fort Morgan 30 14 N 88 01 W

FLORIDA (FL)

Pensacola 30 25 N 87 13 W
 Q Y G C R B T A

177C

St. Andrew Bay
 Panama City 30 08 N 85 39 W
 P Y G C R B T A

St. Joseph Bay
 Port St. Joe 29 49 N 85 18 W
 P Y G C A

Apalachicola River
 Apalachicola 29 43 N 84 59 W
 Flint River
 Bainbridge (GA) 30 54 N 84 37 W
 P Q Y G

Chattahoochee River
 Columbus (GA) 32 27 N 84 59 W
 P Q

Carrabelle 29 51 N 84 40 W
 St. Marks 30 09 N 84 12 W
 Clearwater 27 58 N 82 47 W
 Largo 27 55 N 82 47 W
 St. Petersburg 27 47 N 82 38 W
 G B

177D

Port Tampa 27 52 N 82 33 W
 Tampa 27 57 N 82 27 W
 P Q Y G C L B D T A

Port Manatee 27 30 N 82 33 W
 P Q Y G C R B T A

Bradenton 27 29 N 82 34 W
 Boca Grande 26 43 N 82 15 W
 P Y G T

Pine Island 26 35 N 82 05 W
 Fort Myers 26 38 N 81 52 W
 Tortugas Islands
 Tortugas Harbour 24 38 N 82 23 W
 Key West 24 33 N 81 48 W
 P Q L B D T A

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

U.S.A. continued

Sand Key 24 27 N 81 53 W
 Sombrero Key 24 38 N 81 07 W
 Miami 25 47 N 80 11 W

G C R L B D T A

Dania 26 03 N 80 09 W
 Port Everglades 26 06 N 80 07 W

P Y G C R L B T A

Fort Lauderdale 26 06 N 80 08 W
 Lake Worth 26 37 N 80 03 W
 West Palm Beach 26 43 N 80 03 W
 Palm Beach 26 46 N 80 03 W

P Q Y G C R L B T A

Jupiter 26 55 N 80 06 W
 Fort Pierce 27 27 N 80 19 W

G C R B T A

Port Canaveral 28 25 N 80 35 W

P Q Y G C R L B D T A

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

P Q Y G C R B D T A

Green Cove Springs 29 59 N 81 41 W
 Palatka 29 38 N 81 40 W
 Fernandina 30 41 N 81 28 W

Y G C T A

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

P Q Y G R B T A

Darien 31 23 N 81 25 W
 Sapelo Island 31 36 N 81 17 W
 Savannah River

Savannah 32 05 N 81 05 W

P Q Y G C R B D T A

Port Wentworth 32 06 N 81 09 W

Q Y

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

Q Y G R B T A

Beaufort 32 26 N 80 40 W
 Charleston 32 47 N 79 56 W

P Y G C R B D T A

Georgetown 33 21 N 79 18 W

Y R B T A

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

178A

BERMUDA (United Kingdom)

St. George's Island
 St. George's 32 23 N 64 40 W

P Y G R L B T A

Main Island
 Hamilton 32 18 N 64 47 W

G C R L B T A

Ireland Island
 Freeport 32 19 N 64 50 W

P Y L 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

P

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

Y G B A

Washington (DC) 38 53 N 77 01 W

178B

178C

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

178D

DELAWARE (DE)

Fenwick Island Light 38 27 N 75 03 W
 Delaware Bay

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

P Q B T A

New Castle 39 40 N 75 34 W
 Wilmington 39 45 N 75 30 W

P Q Y G C R B A

Claymont 39 48 N 75 26 W

179A

p.54/55

PENNSYLVANIA (PA)

Marcus Hook 39 49 N 75 25 W

P B T A

Chester 39 50 N 75 22 W
 Eddystone 39 50 N 75 20 W

Y C G A

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

p.58

179B

NEW JERSEY (NJ)

Trenton 40 11 N 74 45 W
 Burlington 40 05 N 74 51 W
 Delair 40 00 N 75 02 W
 Pennsauken 39 58 N 75 02 W

P B T A

Kaighns Point Anchorage
 39 57 N 75 07 W
 Camden 39 56 N 75 08 W

Y G C B T 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

P Y B T A

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
 Wildwood 38 58 N 74 49 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 L 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
 Catskill 42 13 N 73 53 W
 Coxsackie 42 20 N 73 48 W
 Ravena 42 28 N 73 48 W

179C

179D

180A

180B

180C

180D

CANADA *continued*

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
 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
 Ingramport 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

P Q Y G C R L 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
 Guysborough 45 23 N 61 30 W
 Boylston 45 27 N 61 31 W
 Mulgrave 45 35 N 61 23 W

Y G B T

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 B

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 L B D T A

Point Edward 46 11 N 60 14 W
 North Sydney 46 12 N 60 15 W
 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

184A

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
 Pictou 45 41 N 62 43 W

G B T A

Wallace 45 49 N 63 28 W
 Pugwash 45 52 N 63 40 W
 Tidnish 46 00 N 64 02 W

PRINCE EDWARD ISLAND

Port Borden 46 15 N 63 42 W
 Victoria 46 12 N 63 30 W
 Charlottetown 46 13 N 63 07 W

P Y G L B A

Cape Bear 46 01 N 62 27 W
 Murray Harbour 46 02 N 62 29 W
 Montague 46 10 N 62 38 W
 Georgetown 46 11 N 62 32 W

G B A

Annandale 46 16 N 62 25 W
 Souris 46 21 N 62 15 W

G B A

East Point 46 27 N 61 58 W
 St. Peter's Harbour 46 26 N 62 45 W
 Savage Harbour 46 25 N 62 50 W
 Tracadie 46 25 N 63 03 W
 North Rustico 46 27 N 63 17 W
 New London 46 31 N 63 29 W
 Alberton 46 48 N 64 03 W
 Tignish 46 58 N 64 00 W
 North Point 47 04 N 63 59 W
 West Point 46 37 N 64 23 W
 Summerside 46 24 N 63 47 W

G B A

184B

184C

NEW BRUNSWICK

Port Elgin 46 04 N 64 04 W
 Cape Tormentine 46 06 N 63 46 W
 Shemogue 46 10 N 64 08 W
 Pointe du Chene 46 15 N 64 31 W
 Shediac 46 14 N 64 32 W
 Buctouche 46 29 N 64 41 W
 Rexton 46 39 N 64 52 W
 Richibucto 46 41 N 64 52 W

Miramichi Bay

Escuminac 47 05 N 64 53 W
 River Miramichi
 Loggieville 47 05 N 65 23 W
 Millbank 47 03 N 65 27 W
 Chatham 47 02 N 65 28 W

P Y G B T A

South Nelson 46 59 N 65 33 W
 Newcastle 47 00 N 65 33 W

P G B A

Douglstown 47 03 N 65 32 W
 Shippegan 47 45 N 64 42 W

Chaleur Bay

Miscou 47 54 N 64 35 W
 Caraquet 47 48 N 65 01 W

G B T A

Bathurst 47 37 N 65 38 W

G B A

Belledune 47 55 N 65 51 W

P Q Y G R T A

New Mills 47 57 N 66 10 W
 Dalhousie 48 04 N 66 22 W

P Y G B A

Campbellton 48 01 N 66 40 W

185A

QUEBEC

Cross Point 48 02 N 66 41 W
 Carleton 48 06 N 66 08 W
 Maria Harbour 48 10 N 65 59 W
 New Richmond 48 10 N 65 54 W
 Black Cape 48 07 N 65 49 W
 Bonaventure 48 02 N 65 29 W
 New Carlisle 48 01 N 65 18 W
 Paspebiac 48 02 N 65 14 W

P G

Hopetown 48 03 N 65 08 W
 Port Daniel 48 11 N 64 56 W
 Chandler 48 21 N 64 40 W

G B

Perce 48 30 N 64 13 W
 Magdalen Islands
 Amherst Harbour 47 14 N 61 50 W
 Grindstone 47 23 N 61 51 W
 Cap aux Meules 47 23 N 61 52 W

Barachois 48 37 N 64 16 W
 Douglstown 48 46 N 64 23 W
 Gaspé 48 50 N 64 29 W

P G B T A

185B

Anticosti Island
 Heath Point 49 05 N 61 42 W
 West Point 49 52 N 64 32 W
 Ellis Bay

Port Menier 49 49 N 64 21 W

River St. Lawrence
 Cape Rosier 48 51 N 64 12 W
 Fox River 49 00 N 64 24 W
 Fame Point 49 07 N 64 36 W
 Petite Vallee 49 13 N 65 02 W
 Grande Vallee 49 14 N 65 09 W
 Cape Magdalen 49 15 N 65 19 W
 Mont Louis 49 14 N 65 44 W
 Martin River 49 13 N 66 11 W
 Ste. Anne des Monts 49 08 N 66 29 W
 Cape Chat 49 05 N 66 45 W
 Capucins 49 03 N 66 51 W
 Les Mechins 49 01 N 66 59 W
 Matane 48 51 N 67 32 W

Y G B A

Little Metis 48 41 N 68 02 W
 Grande Metis 48 38 N 68 08 W
 Pointe au Pere (Father Point)
 48 31 N 68 28 W

Rimouski 48 29 N 68 31 W

P G B A

Bic 48 22 N 68 45 W
 St. Fabien 48 19 N 68 51 W
 Cape Original 48 22 N 68 49 W
 Basque Island 48 08 N 69 15 W
 Trois Pistoles 48 07 N 69 10 W
 Apple Island 48 06 N 69 19 W
 Ile Verte 48 03 N 69 25 W
 Gros Cacouna 47 56 N 69 31 W

Y G B A

Riviere du Loup 47 51 N 69 34 W
 St. Antoine 47 04 N 70 32 W
 Montmagny 46 59 N 70 33 W
 Berthier 46 57 N 70 44 W

Orleans Island
 St. Francois 47 00 N 70 48 W
 St. Jean 46 55 N 70 54 W
 Ste. Petronille 46 51 N 71 08 W

Lauzon 46 49 N 71 09 W

Levis 46 49 N 71 11 W

St. Romuald 46 45 N 71 14 W

Ste. Croix 46 38 N 71 44 W

Becancour 46 24 N 72 23 W

Q Y G C R B T A

Sorel 46 03 N 73 07 W

Y G B D T

Contrecoeur 45 53 N 73 12 W

Y B

St. Lawrence Seaway
 St. Lambert Lock 45 30 N 73 31 W
 Cote Ste. Catherine Lock
 45 24 N 73 34 W
 Beauharnois Lock 45 19 N 73 55 W

186A

186B

186C

186D

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

GEOGRAPHIC INDEX

131

Valleyfield 45 13 N 74 05 W
 P Q Y G R B A

187A

U.S.A.

NEW YORK (NY)

Snell Lock 44 59 N 74 46 W
 Eisenhower Lock 44 59 N 74 51 W
 Waddington 44 51 N 75 12 W
 Ogdensburg 44 42 N 75 30 W
 Y G B T A

Clayton 44 14 N 76 05 W
 Cape Vincent 44 08 N 76 20 W
 Tibbetts Point 44 06 N 76 22 W

GREAT LAKES

Lake Ontario p.56
 Oswego 43 28 N 76 32 W
 P Q Y G A

Rochester 43 17 N 77 36 W
 Y R

Lake Erie

Tonawanda 43 01 N 78 53 W
 Buffalo 42 53 N 78 53 W
 Y B T A

PENNSYLVANIA (PA)

Erie 42 10 N 80 05 W
 Y G C B A

OHIO (OH)

Conneaut 41 58 N 80 34 W
 Y G B T A

Ashtabula 41 55 N 80 49 W
 Y G B T A

187C

Grand River 41 44 N 81 17 W
 Fairport 41 46 N 81 19 W
 Cleveland 41 31 N 81 43 W
 Q Y G C R B T A

Lorain 41 28 N 82 10 W
 Y G B T A

Huron 41 24 N 82 35 W
 Y G B T A

Sandusky 41 27 N 82 44 W
 Y R T

Marblehead 41 32 N 82 43 W
 Toledo 41 42 N 83 28 W
 P Q Y G C R B D T A

MICHIGAN (MI)

Monroe 41 55 N 83 20 W
 Q Y G A

187D

Detroit River
 Wyandotte 42 11 N 83 09 W
 Y G T

Detroit 42 20 N 83 02 W
 P Y G C R T A

St. Clair River
 Marine City 42 43 N 82 29 W
 St. Clair 42 49 N 82 28 W
 Marysville 42 55 N 82 29 W
 Port Huron 42 59 N 82 26 W
 G T

Lake Huron
 Harbor Beach 43 50 N 82 39 W
 Port Crescent 44 00 N 83 01 W
 Essexville 43 36 N 83 50 W
 Bay City 43 35 N 83 53 W
 Y G T

Zilwaukee 43 28 N 83 55 W

Saginaw 43 27 N 83 55 W
 Alpena 45 03 N 83 26 W
 Thunder Bay 45 04 N 83 26 W
 Rockport 45 12 N 83 23 W
 Stoneport 45 17 N 83 26 W
 Calcite 45 24 N 83 47 W
 Cheboygan 45 40 N 84 28 W
Lake Michigan
 Mackinaw City 45 45 N 84 44 W
 Charlevoix 45 19 N 85 13 W
 Y G B

Manistee 44 15 N 86 20 W
 Y B T

Ludington 43 58 N 86 27 W
 Muskegon 43 11 N 86 14 W
 Grand Haven 43 04 N 86 15 W
 P G A

Holland 42 47 N 86 13 W
 South Haven 42 27 N 86 15 W
 Benton Harbour 42 07 N 86 27 W
 St. Joseph 42 05 N 86 30 W

188B

INDIANA (IN)

Burns Harbour 41 38 N 87 11 W
 P Y G C R B T A

Gary Harbour 41 36 N 87 21 W
 Buffington 41 38 N 87 25 W
 Indiana Harbour 41 40 N 87 30 W

ILLINOIS (IL)

Chicago 41 50 N 87 38 W
 Q Y G C R B T A

Waukegan 42 22 N 87 50 W
 Y B T

WISCONSIN (WI)

Kenosha 42 35 N 87 49 W
 G C R A

Racine 42 44 N 87 48 W
 Milwaukee 43 03 N 87 52 W
 P Q Y G C R B T A

188C

Port Washington 43 23 N 87 52 W
 Sheboygan 43 45 N 87 42 W
 Manitowoc 44 06 N 87 38 W
 Y G B A

Kewaunee 44 27 N 87 31 W
 Sturgeon Bay 44 51 N 87 21 W
 Green Bay 44 31 N 88 00 W
 P Q Y G B T A

Marinette 45 07 N 87 37 W

188D

MICHIGAN (MI)

Menominee 45 08 N 87 37 W
 Escanaba 45 47 N 87 04 W
 Port Inland 45 58 N 85 52 W
 Brevort 46 00 N 85 02 W
Lake Huron
 Cedarville 45 59 N 84 21 W
 Port Dolomite 45 58 N 84 16 W
St. Marys River
 Sault Ste. Marie 46 29 N 84 25 W
Lake Superior
 Whitefish Point 46 45 N 84 57 W
 Marquette 46 36 N 87 23 W
 Y

Lake Linden 47 13 N 88 23 W
 Ontonagon 46 52 N 89 18 W
 Y

WISCONSIN (WI)

Ashland 46 35 N 90 54 W
 P Y G B A

Bayfield 46 48 N 90 48 W
 Superior 46 43 N 92 05 W

189A

MINNESOTA (MN)

Duluth 46 44 N 92 09 W
 P Q Y G C R B D T A

Two Harbors 47 01 N 91 40 W
 Silver Bay 47 17 N 91 16 W
 Taconite Harbour 47 30 N 90 55 W

CANADA

ONTARIO

Thunder Bay 48 25 N 89 13 W
 P Q Y G C B T A

Red Rock 48 56 N 88 15 W
 Marathon 48 45 N 86 23 W
 G A

Michipicoten Harbour 47 57 N 84 55 W
St. Marys River
 Sault Ste. Marie 46 31 N 84 20 W
 P Y G B T A

189B

Lake Huron
 Bruce Mines 46 16 N 83 43 W
 Thessalon 46 15 N 83 33 W
 Manitoulin Island
 Meldrum Bay 45 55 N 83 06 W
 Gore Bay 45 55 N 82 28 W
 Little Current 45 58 N 81 55 W
 Sheguiandah 45 53 N 81 57 W
 Blind River 46 12 N 82 54 W
 Spragge 46 12 N 82 42 W
 Killarney 45 58 N 81 31 W
 Britt 45 47 N 80 38 W
 Parry Sound 45 22 N 80 03 W
 P Y G L A

Port McNicoll 44 45 N 79 48 W
 Midland 44 45 N 79 56 W
 Y G L B A

Penetanguishene 44 46 N 79 56 W
 Collingwood 44 30 N 80 14 W
 Y G D A

189C

Meaford 44 38 N 80 37 W
 Owen Sound 44 35 N 80 57 W
 P Q Y G B A

Tobermory 45 14 N 81 39 W
 Goderich 43 45 N 81 45 W
St. Clair River
 Sarnia 42 59 N 82 25 W
 P Y G B T A

Corunna 42 53 N 82 27 W
 Mooretown 42 51 N 82 28 W
 Courtright 42 48 N 82 27 N
 Sombra 42 42 N 82 28

189D

Lake St. Clair
 Wallaceburg 42 36 N 82 24 W
Detroit River
 Windsor 42 19 N 83 03 W
 P Q Y G B T A

Amherstburg 42 06 N 83 05 W
 G A

Lake Erie
 Kingsville 42 03 N 82 44 W
 Leamington 42 03 N 82 37 W
 Pelee Island 41 45 N 82 40 W
 Wheatley 42 05 N 82 26 W
 Port Stanley 42 40 N 81 13 W
 Port Burwell 42 38 N 80 48 W
 Port Dover 42 47 N 80 12 W
 Nanticoke 42 49 N 80 01 W
 Port Maitland 42 52 N 79 35 W
 Fort Erie 42 56 N 78 57 W
Welland Canal
 Port Colborne 42 52 N 79 15 W
 P Y G B A

Humberstone 42 54 N 79 15 W
 Welland 42 58 N 79 13 W
 Thorold 43 05 N 79 10 W
 Y G A

St. Catharines 43 10 N 79 12 W

CANADA *continued*

Port Weller 43 14 N 79 13 W
 Y G D T B

Lake Ontario

Port Dalhousie 43 12 N 79 16 W
 Hamilton 43 14 N 79 51 W

P Q Y G B D T A

Burlington 43 19 N 79 45 W
 Bronte 43 24 N 79 42 W
 Oakville 43 26 N 79 40 W
 Clarkson 43 30 N 79 36 W
 Port Credit 43 33 N 79 36 W
 Toronto 43 38 N 79 23 W

Y G C R B T A

Whitby 43 51 N 78 55 W
 Oshawa 43 52 N 78 50 W

Y G R A

Bowmanville 43 54 N 78 40 W
 Port Hope 43 56 N 78 17 W
 Cobourg 43 57 N 78 10 W
 Colborne 44 00 N 77 53 W
 Belleville 44 08 N 77 22 W
 Picton 44 00 N 77 08 W
 Bath 44 10 N 76 46 W
 Kingston 44 12 N 76 30 W
 Gananoque 44 19 N 76 10 W

St. Lawrence Seaway

Brockville 44 36 N 75 38 W
 Prescott 44 43 N 75 31 W

Y G T A

Cardinal 44 47 N 75 20 W
 Iroquois Lock 44 50 N 75 19 W
 Morrisburg 44 56 N 75 11 W
 Cornwall 45 01 N 74 43 W

P Q G B A

Long Sault 45 01 N 74 54 W

QUEBEC

River St. Lawrence

Montreal 45 30 N 73 33 W

P Q Y G C R B T A

Sutherland Pier 45 33 N 73 32 W
 Pointe aux Trembles 45 38 N 73 29 W
 Cap St. Michel 45 43 N 73 26 W
 Lanoraie 45 58 N 73 11 W
 Tracy 46 01 N 73 10 W
 Three Rivers (Trois Rivières)
 46 21 N 72 33 W

Q Y G R B T A

Batiscaun 46 31 N 72 14 W
 Grondines 46 45 N 72 02 W
 Pointe au Platon 46 40 N 71 51 W
 Donnacona 46 40 N 71 46 W
 Quebec 46 49 N 71 12 W

P Q Y G C R L B D T A

Cape Brule 47 07 N 70 43 W
 Cape Maillard 47 15 N 70 35 W
 Baie St. Paul 47 26 N 70 30 W
 Cape Goose 47 29 N 70 14 W
 Pointe au Pic 47 37 N 70 08 W

G

Murray Bay 47 39 N 70 09 W
 Port au Saumon 47 45 N 69 57 W
 Red Islet 48 04 N 69 33 W

Saguenay River

St. Etienne 48 11 N 69 54 W
 St. Jean 48 15 N 70 11 W
 Ha Ha Bay
 La Baie 48 19 N 70 52 W

P Q Y G B T A

Port Alfred 48 20 N 70 52 W

P Q Y G B T A

Bagotville 48 21 N 70 53 W
 Grande Anse 48 24 N 70 50 W
 Chicoutimi 48 26 N 71 05 W
 Tadoussac 48 08 N 69 43 W
 Basque Cove 48 19 N 69 25 W
 Les Escoumins 48 21 N 69 23 W
 Pointe au Boisvert 48 34 N 69 08 W

190A

Portneuf 48 37 N 69 05 W
 Forestville 48 48 N 69 04 W
 Comeau Bay (Baie Comeau)
 49 13 N 68 09 W

Y G R B T A

St. Nicholas 49 19 N 67 47 W
 Godbout 49 19 N 67 35 W
 Trinity Bay 49 25 N 67 18 W
 Egg Island 49 37 N 67 11 W
 Lobster Bay 49 49 N 67 05 W
 Port Cartier 50 01 N 66 52 W

P Y G B T A

River Ste. Marguerite
 Clarke City 50 12 N 66 38 W
 Pointe Noire 50 10 N 66 28 W

Seven Islands (Sept Iles) 50 06 N 66 23 W

P Y G C R B T A

Moisie 50 12 N 66 05 W
 Mingan 50 17 N 64 01 W
 Romaine 50 18 N 63 48 W
 Havre St. Pierre 50 14 N 63 36 W

190B

Y G A

Baie Johan Beetz 50 17 N 62 48 W
 Natashquan 50 12 N 61 51 W
 Cape Whittle 50 11 N 60 07 W
 Harrington Harbour 50 32 N 59 19 W
 Bonne Esperance 51 24 N 57 37 W
 Bradore Bay 51 29 N 57 14 W
 Greenly Island 51 22 N 57 11 W
 Blanc Sablon 51 25 N 57 08 W

p.57

NEWFOUNDLAND & LABRADOR

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

190D

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
 Burgeo 47 36 N 57 37 W
 Rameau 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

191A

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 B 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 & LABRADOR

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

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 T

Ship Harbour 47 22 N 53 53 W
 Argentia 47 18 N 53 59 W

Y G C R B T

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 L 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

192A

192B

192C

192D

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

GEOGRAPHIC INDEX

133

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

193A

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				
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 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

193B

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
 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

193C

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

p.50/51

Hamilton Inlet
 Rigolet 54 11 N 58 25 W
 Goose Bay 53 21 N 60 25 W

193D

P	G	C	R	B	A				
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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
 Adlavik 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

Col. No.	Page No.		Col. No.	Page No.		Col. No.	Page No.		Col. No.	Page No.	
A											
40D	25	Aabenraa	40C	25	Aebelo	89C	33	Al Wajh	105C	43	Amahai
23C	24	Aagotnes	64C	32	Aegina (Aiyina)	30D	24	Ala	146B	50	Amak Bight
22C	24	Aaheim	64C	32	Aegina (Aiyina) Island	177B	54	Alabama (AL)	146B	50	Amak Island
		Aaiun, see Laayoune	64A	29	Aegion	177B	54	Alabama, River	128A	45	Amakusashima
24A	24	Aakra	27D	24	Aelvenaes	151C	53	Alameda	27C	24	Amal
24A	24	Aakrafjord	59B	28	Aeolian Islands	33B	26	Aland Islands	59B	31	Amalfi
24B	24	Aakrehamn	40A	25	Aero	93D	40	Alang	66B	32	Amaliapolis
41C	25	Aalborg	40A	25	Aeroskobing	73C	33	Alanya	105A	43	Amamapare
25B	24	Aalefjaer			Afghanistan			Alappuzha, see Alleppey	128C	45	Amami Island
22B	24	Aalesund	147A	50	Afognak	145D	50	Alaska (AK)	153C	60	Amapala
23D	24	Aalvik	147A	50	Afognak Island			Alba	71B	29	Amasra
22B	24	Aandalsnes	77C	30	Afrau	63B	29	Albania	162B	62	Amazon, River
144B	14	Aappilattoq	162B	62	Afua	133A	48	Albany (Australia)	67A	32	Ambarli
23A	24	Aardalstangen	78A	34	Agadir	181A	58	Albany (U.S.A.)	83A	36	Ambas Bay
26D	24	Aarebakken	128D	12	Agana	183B	57	Albert	64D	32	Ambelaki
41B	25	Aarhus			Agat	48A	22	Albert Canal	64D	32	Ambelaki Bay
22A	24	Aarnes	21D	24	Agdenes	185B	57	Alberston	173C	60	Ambergris Cay
40D	25	Aarosund	42A	25	Aggersund	45C	22	Alblasserdam	52A	30	Ambes
144D	14	Aasiaat (Egedesminde)	67C	29	Agigee	54A	30	Albufeira	141B	14	Ambetsu
92C	37	Abadan	64D	32	Agioi Theodoroi			Albuskjell			Ambles, see Warkworth
139B	49	Abaiang Island	25A	24	Agnefest	55D	28	Alcanar	86D	35	Amboanio
121D	45	Abashiri	27C	25	Agnesberg	109B	44	Alcoy	105C	43	Ambon
		Abbazia, see Opatija	141B	14	Agnevo	55C	28	Alcudia	105C	43	Ambon Island
42D	23	Abbenfleth	30D	24	Ago	17A	17	Alde, River	85A	34	Ambriz
49B	18	Abbeville	59B	28	Agropoli	17A	17	Aldeburgh			Ambrizete, see N'zeto
183D	57	Abbot Harbour	54D	30	Agua Amarga	3A	18	Alderney	180C	58	Ambrose Channel Light
135C	48	Abbot Point	94C	40	Aguada	141B	14	Aleksandrovsk-Sakhalinskiy	146C	14	Amchitka Island
24D	24	Abelsnes	168B	61	Aguadilla	146B	14	Aleutian Islands	142D	14	Amderma
21B	20	Abelvaer	154A	60	Aguadulce	192D	57	Alexander Bay	58B	31	Ameglia
139C	49	Abemama Island	191C	57	Aguathuna	75C	33	Alexandria (Egypt)	45C	22	Ameide
5C	17	Aberaeron	55A	30	Aguilas	179B	58	Alexandria (U.S.A.)	44B	22	Ameland
14B	16	Aberdeen (Scotland)	168C	61	Aguirre	66D	32	Alexandroupolis	175D	54	Amelia
150B	52	Aberdeen (U.S.A.)	73C	33	Agva	193C	57	Alexis Inlet	138C	49	American Samoa
14C	16	Aberdour	131B	48	Ahioma	131A	48	Alexishafen	176A	54	Amesville
5D	17	Aberdovey	89D	35	Ahmadi	55D	28	Alfaques	19	Amethyst	
15A	16	Aberlady Bay	139D	13	Ahukini Landing	54C	30	Algeciras	63C	29	Amfilochia
5D	17	Abersoch	139A	13	Ahurei			Alger, see Algiers	140D	39	Amgu
5C	17	Aberystwyth	28C	25	Ahus	76D	28	Algeria	183B	57	Amherst (Canada)
81B	36	Abidjan	92C	37	Ahvaz	57D	31	Alghero	97A	41	Amherst (Myanmar)
		Abo, see Turku	34B	26	Ahvenkoski	77A	28	Algiers (Alger)	186A	57	Amherst Harbour
81D	36	Abo Terminal	65C	32	Aigialli	85D	35	Algoa Bay	189C	56	Amherstburg
82B	36	Abonnema	89A	33	Ain Sukhna Terminal	32D	26	Alholm	70A	27	Amirabad
124C	45	Aboshi	36B	26	Ainazi			Alhucemas, see Al Hoceima	6A	17	Amlwch Terminal
161B	62	Abrolhos Islands	127D	45	Ainoura	72C	32	Aliaga	29	Amman	
91B	37	Abu al Bukhoosh Terminal	124C	45	Aioi	104D	43	Aliambata	144A	14	Ammassalik (Tasiilaq) Island
		Abu Dhabi (Mina Zayed)	132C	48	Airlie Island	94B	40	Alibag	65C	32	Amorgos Island
92B	37	Abu Fulus	132C	48	Airlie Island Terminal	55B	28	Alicante	106A	43	Ampana
88C	33	Abu Ghosoun	131A	48	Aitape	66B	32	Aliveri			Ampenan, see Lembar
76B	28	Abu Kammash	138C	13	Aitutaki Island	44D	22	Alkmaar	42C	23	Amrum Island
75C	33	Abu Kir			Aiyina Island, see Aegina Island	129D	49	Allardyce Harbour	45A	22	Amsterdam
93A	37	Abu Musa	57A	31	Ajaccio	94D	40	Alleppey (Alappuzha)	157C	11	Amsterdam Island
89B	33	Abu Rudeis	158A	63	Ajax Bay	176A	54	Alliance	45A	22	Amsterdam-Rhine Canal
75B	67	Abu Sultan	76B	28	Ajim	170A	60	Alligator Pond	164C	61	Amuay Bay
89A	33	Abu Zenima	123C	45	Ajisu	38C	25	Allinge	141C	14	Amur River
		Abuja	90D	37	Ajman	14D	16	Alloa	106C	43	Amurang
108A	44	Abulug	32C	26	Ajos	144B	14	Alluitsup Paa (Sydproven)	115D	47	An Ping
128B	45	Aburatsu	136D	49	Akaroo	181C	58	Allyns Point	111D	41	An Thoi
153B	59	Acajutla	124D	45	Akashi	183A	57	Alma	149D	52	Anacortes
165C	60	Acandi	82B	36	Akassa	44C	22	Almelo	71C	32	Anadolukavagi
153A	59	Acapulco	71A	29	Akcaabat	44C	22	Almere-Haven	142B	14	Anadyr
155D	62	Acari	72C	32	Akcaay	54D	30	Almeria	142B	14	Anadyrskiy Bay
59B	28	Acciaroli	43A	23	Aken	172D	60	Almirante	109D	44	Anakan
81B	36	Accra			Akhladhi, see Achladi	54D	30	Almunecar	86D	35	Analalava
96C	40	Achipur	142B	14	Akhomten Bay	29C	25	Almvik	73D	33	Anamur
66B	32	Achladi (Akhladhi)	70B	29	Akhtari	31D	24	Alne	127A	45	Anan
60B	28	Acireale	69C	27	Akhtubinsk	15B	16	Alnmouth	70C	29	Anapa
		Acre, see Akko	122C	45	Akita	31A	24	Alno Island	147A	50	Anchorage
6D	17	Acton Grange	123D	45	Akitsu	138C	49	Alofi	155B	62	Ancon
		Ad Dawhah, see Doha	122B	45	Akkeshi	97D	41	Alor Setar	61A	31	Ancona
81C	36	Ada	74D	33	Akko (Acre)	131B	48	Alotau	156D	63	Ancud
89A	33	Adabiya	124C	45	Ako	188A	56	Alpena	97B	40	Andaman and Nicobar Islands
146C	14	Adak	19B	20	Akranes	45A	22	Alphen aan den Rijn			Andaman Islands
146C	14	Adak Island	74A	33	Akrotiri	40D	25	Als (Denmark)	97B	40	Andaman Islands
		Adda	69D	27	Aktau	41C	25	Als (Jutland)	20B	21	Andenes
		Addis Ababa	173C	60	Akumal	181A	58	Alsen	46C	20	Andernach
95A	35	Addu Atoll	146B	14	Akun Island	21B	20	Alstahaug	146B	14	Anderson Bay
133D	48	Adelaide (Port Adelaide)	18C	20	Akureyri	20A	21	Alta	6C	17	Anderton
90A	35	Aden	146B	14	Akutan	20A	21	Altafjord	87A	35	Andevoranto
65B	32	Adhamas	146B	14	Akutan Island	174C	59	Altamira	21B	21	Andfiskaa
105A	43	Adi Island			Akyab, see Sittwe	152D	59	Altata	73C	32	Andifli
		Adirampatnam, see Attirampattinam	92B	37	Al Basra Terminal (Mina al Bakr Terminal)	55B	28	Altea	64A	29	Andikiron Bay
193D	51	Adlavik			Al Faw, see Fao	42D	65	Altenbruch Roads	28	Andorra	
110C	44	Adlay	77C	30	Al Hoceima (Alhucemas)	162C	62	Alter do Chao	30	Andorra La Vella	
145D	14	Admiralty Inlet			Al Hudaydah, see Hodeidah	16B	16	Althorpe Wharf	61	Andres	
147C	52	Admiralty Island	91C	37	Al Khobar	72C	32	Altinluk	169A	61	Andres Bay
130D	48	Admiralty Islands			Al Kuwait, see Kuwait	43A	23	Altona	19	Andrew	
54D	30	Adra			Al Luhayyah, see Luhaiya	65B	32	Altsi			Andrew, see Rybinsk
73C	33	Adrazan			Al Manamah	88A	35	Alula	172B	60	Andros Island (Bahamas)
143D	14	Advent Bay			Al Mediq	162A	62	Alumar	65D	32	Andros Island (Greece)
163B	62	Adventure			Al Mosaffah	174B	59	Alvarado	95A	40	Androth Island
183B	57	Advocate Harbour			Al Mukha, see Mokha			Alwvyn North	81C	36	Anecho (Little Popo)
					Al Rayyan Terminal	64B	29	Alyssos	137C	49	Aneityum Island
					Al Shaheen Terminal	176B	54	Ama Anchorage	130B	49	Anewa Bay
						124D	45	Amagasaki	129A	12	Angaur
						39A	25	Amager Island	28B	25	Angelholm

ALPHABETICAL INDEX

135

Col. No.	Page No.	
5C	17	Angle Bay
5D	17	Anglesey
	19	Anglia
84D	36	Ango Ango
86B	35	Angoche
84D	34	Angola
84B	36	Angola (Cabinda Province)
147C	52	Angoon
78B	34	Angra do Heroismo
160D	64	Angra dos Reis
167D	61	Anguilla
41B	25	Anholt
141A	39	Aniva
141A	39	Aniva Bay
94B	40	Anjanvel
86C	35	Anjouan Island
	28	Ankara
31A	24	Ankarsvik
86D	35	Ankify
37C	25	Anklam
	19	Ann
76D	28	Annaba
8A	17	Annalong
10A	17	Annan
185B	57	Annanale
179C	58	Annapolis
183C	57	Annapolis Basin
183C	57	Annapolis Royal
35B	9	Annenskiy Most
148B	52	Annette Island
182B	58	Annisquam Harbour
170B	60	Annotto Bay
99A	41	Anoa Terminal
118A	47	Anqing
169C	60	Anse d'Hainault
14C	16	Anstruther
87A	35	Antalaha
73C	33	Antalya
82D	36	Antan Terminal
	35	Antananarivo
157C	15	Antarctica
56D	31	Antibes
186B	57	Anticosti Island
49C	18	Antifer
185A	57	Antigonish
167B	61	Antigua
167B	61	Antigua and Barbuda
171C	60	Antilla
151B	53	Antioch
137A	12	Antipodes Islands
156A	63	Antofagasta
		Antonina, see Barao de Tefte
33A	26	Antora
87A	35	Antsiranana
48A	22	Antwerp (Antwerpen)
141B	14	Anuchena
103B	42	Anyer
148B	52	Anyox
77D	34	Anza
58D	28	Anzio
129D	49	Aola Bay
122C	45	Aomori
116D	47	Aoshan Terminal
115B	47	Aotou
115A	38	Ap Lei Chau
177C	54	Apalachicola
177C	54	Apalachicola River
81D	36	Apapa
107D	44	Aparri
68A	29	Apatin
138C	49	Apia
163A	62	Apoera
75D	29	Apollonia
44A	22	Appingedam
186C	57	Apple Island
12B	16	Appledross
4C	17	Appledore
128D	12	Apra
70B	27	Apsheronkiy Port
144A	14	Aputiteq
89C	33	Aqaba
192C	57	Aquafort
169B	61	Aquin
29C	25	Ar
		Ar Ruays, see Ruwais
176A	54	Arabi
161C	62	Aracaju
161D	62	Aracati
9C	17	Aran Islands
174D	54	Aranas Pass
125C	45	Arari
161B	62	Aratu
130C	48	Arawe Harbour
64B	29	Araxos
164A	61	Araya

Col. No.	Page No.	
57C	28	Arbatax
		Arbe Island, see Rab Island
		Arbe, see Rab Island
30A	24	Arboga
	19	Arbroath (North Sea Terminals)
14B	16	Arbroath (Scotland)
52B	30	Arcachon
143A	21	Archangel (Arkhangelsk)
135D	48	Archer Point
131D	48	Archer River
11B	16	Ardbeg
13D	16	Ardersier
8A	17	Ardglass
11B	16	Ardrihaig
133D	48	Ardrossan (Australia)
10C	16	Ardrossan (Scotland)
11A	16	Ardyne Point
168B	61	Arecibo
161D	62	Areia Branca
25B	24	Arendal
192B	57	Argentina
158A	63	Argentina
63D	29	Argostoli
78D	34	Arguineguin
30C	24	Arholma
155D	62	Arica
184C	57	Arichat
125A	45	Arida
28B	25	Arildslage
103C	42	Arjuna Terminal
176C	54	Arkansas, River
		Arkhangelsk, see Archangel
8B	17	Arklow
29D	24	Arkosund
172D	60	Arlen Siu (Rama)
56B	31	Arles
	27	Armenia
154A	60	Armuelles
31C	24	Arnas
45C	22	Arnhem
31A	24	Arno
166D	61	Arnos Vale
31A	24	Arnoviken
53B	30	Arosa Bay
161A	64	Arraial do Cabo
78C	34	Arrecife
169A	61	Arroyo Barril (Puerto Duarte)
159A	64	Arroyo Seco
171A	60	Arroyos Anchorage
51D	30	Ars
30B	24	Arstadalshammen
74A	33	Arsuz
180C	58	Arthur Kill
102B	42	Aru Bay
104D	43	Aru Islands
165C	61	Aruba
		Arun, see Blang Lancang
138C	13	Arutunga
27C	24	Arvika
74C	33	Arwad (Rouad) Island
91B	37	Arzanah Island
77B	28	Arzew
41D	25	Asaa
102B	42	Asahan, River
92D	37	Asaluyeh Terminal
138B	49	Asau
30D	24	Asbacka
157A	63	Ascension Island (Chile)
85B	34	Ascension Island (St. Helena and Dependencies)
46D	20	Aschaffenburg
		Aseb, see Assab
90A	35	Ash Shih Terminal
75A	33	Ashdod
75A	33	Ashkelon
11	11	Ashkhabad
188D	56	Ashland
187B	56	Ashtabula
76B	28	Ashtart Terminal
109A	44	Asia
57D	31	Asinara Island
28A	24	Askersund
31C	24	Askja
23A	24	Askvoll
	35	Asmara
39C	25	Asnaesvaerkets Havn
64A	29	Aspra Spitia
65A	32	Aspropyrgos
33A	26	Aspskar
88B	35	Assab (Aseb)
40C	25	Assens
81B	36	Assinie

Col. No.	Page No.	
87C	35	Assumption Island
63D	29	Astakos
	12	Astana
70B	27	Astara
52D	30	Astillero
150D	52	Astoria
87C	35	Astove Island
69C	27	Astrakhan
131A	48	Astrolabe Bay
159C	64	Asuncion
25C	24	Asvall
154D	62	Atacames
139A	49	Atafu Island
66B	32	Atalantis Bay
104D	43	Atapupu
73C	33	Atbuku
	29	Athens
155D	62	Atico
107D	44	Atimonan
146C	14	Atka
146C	14	Atka Island
180B	58	Atlantic City
175B	54	Atreco
125C	45	Atsumi
95B	40	Attirampattinam (Adirampatnam)
	33C	26 Attu
146C	14	Attu Island
158D	64	Atucha
136B	49	Auckland
137A	12	Auckland Islands
50D	18	Audierne
38B	65	Audorf
	19	Audrey
9B	17	Aughinish Island
60B	28	Augusta (Italy)
178C	55	Augusta (U.S.A.)
40D	25	Augustenborg
13C	19	Auk
129C	49	Auki
22A	24	Aukra
184C	57	Aulds Cove
12B	16	Aultbea
51B	18	Auray
143D	14	Austervag
23C	24	Austevoll
138D	13	Australes (Tubuai) Islands
131C	48	Australia
	28	Austria
169C	61	Aux Cayes
142B	14	Avachinskaya Bay
24B	24	Avaldsnes
138C	13	Avarua
138D	13	Avatiu
39A	25	Avedore
53D	28	Aveiro
40C	25	Avernako
151D	53	Avila
52D	30	Aviles
60A	28	Avola
151B	53	Avon
4D	17	Avon, River
176A	54	Avondale
4D	17	Avonmouth
50B	18	Avranches
124D	45	Awaji
124D	45	Awajishima
48D	22	Axel Sassing
32B	26	Axelsvik
81B	36	Axim
30D	24	Axmar
30D	24	Axmarbruk
54B	30	Ayamonte
141D	14	Ayan
71B	29	Ayancik
73D	33	Ayas
73D	33	Aydincik
97A	41	Ayeyarwady River
65C	32	Ayia Galini
64C	32	Ayia Marina (Aegina)
66B	32	Ayia Marina (Greece)
73A	32	Ayia Marina (Leros)
65D	32	Ayias Annas
66B	32	Ayios Ioannis Theologos
66B	32	Ayios Konstantinos
65B	32	Ayios Nikolaos (Crete)
66A	32	Ayios Nikolaos (Kea)
10C	17	Ayr
109A	44	Ayungon
72C	32	Ayvalik
		Az Zarka Island, see Zirku Island
76A	28	Az Zawiyah
70B	27	Azerbaijan
35C	26	Azeri
94D	40	Azhikal
78A	34	Azores

Col. No.	Page No.	
71B	29	Azot
69B	29	Azov
169B	61	Azua (Puerto Tortuguero)
77A	28	Azzeffoun
B		
112C	41	Ba Ngoi
112B	41	Ba Vi Terminal
48C	22	Baasrode
85B	34	Baba
105A	43	Babo
70A	27	Babol Sar
137B	49	Babouillat
142A	39	Babushkino
106C	44	Babuyan
105D	43	Bacan Island
183D	57	Baccaro Point
112C	41	Bach Ho Terminal
165A	61	Bachaquero
32A	26	Backfors
28B	25	Backviken
109A	44	Bacolod
109A	44	Bacong
	19	Bacton
94D	40	Badagara
81D	36	Badagri
56A	31	Badalona
104C	43	Badas
184D	57	Baddeck
193A	57	Badgers Quay
108A	44	Badoc
119A	47	Badong
145C	51	Baffin Island
80D	36	Baffu Bay
71B	29	Bafra
69B	27	Bagaevskaaya
98A	41	Bagan Datoh
102B	42	Bagan Si Api Api
40A	25	Bagenkop
	35	Baghdad
59C	28	Bagnara Calabria
59A	31	Bagnoli
190D	57	Bagotville
172A	60	Bahamas
101B	42	Bahaur
118B	47	Bahe
158C	63	Bahia Blanca
154D	62	Bahia de Caraquez
152B	53	Bahia de Todos Santos
153D	60	Bahia del Rincon
171A	60	Bahia Honda
152D	59	Bahia Kino
156D	63	Bahia Mansa
153C	60	Bahia San Lorenzo
154B	62	Bahia Solano
91C	37	Bahrain
91C	37	Bahrain Island
58D	31	Baia
85B	34	Baia dos Tigres
		Baie Comeau, see Comeau Bay
137B	49	Baie de Pam
191B	57	Baie Johan Beetz
190C	57	Baie St. Paul
137B	49	Baie Ugue
193B	57	Baie Verte
177C	54	Bainbridge (GA)
109A	44	Bais
159B	64	Bajada Grande
165A	61	Bajo Grande
82B	36	Bakana
100B	42	Bakapit
62A	31	Bakar
143B	21	Bakaritsa
139C	12	Baker Island
145C	51	Baker Lake
18C	20	Bakkafjordur
70B	27	Baku
69D	27	Balakhna
69C	27	Balakovo
109B	44	Balamban
154C	62	Balao Terminal
56B	31	Balaruc
172C	68	Balboa
146D	50	Balboa Bay
8B	17	Balbriggan
67B	29	Balchik
	19	Balder
55B	28	Balearic Islands
107D	44	Baler
23A	24	Balestrand
23A	24	Balholm
104B	42	Bali Island
101A	42	Balikpapan

Col. No.	Page No.		Col. No.	Page No.		Col. No.	Page No.		Col. No.	Page No.	
109D	44	Balingasag	175A	54	Barbours Cut	101D	42	Batu Island	193C	57	Belle Isle
132B	48	Balla Balla	167B	61	Barbuda	101A	42	Batu Licin	185D	57	Belledune
20D	21	Ballangen	165C	61	Barcadera	98B	41	Batu Pahat	192A	57	Belleoram
10C	17	Ballantrae	11D	16	Barcaldine	106B	43	Batui	190B	56	Belleville
133C	48	Ballast Head	162B	62	Barcarena	70D	29	Batumi (Batumi)	149D	52	Bellingham
40C	25	Ballen	56B	31	Barcares de Saint Laurent	32A	26	Batvik	183D	57	Belliveau Cove
135A	48	Ballina (Australia)	56A	31	Barcelona (Spain)	107A	44	Bauan	60	Belmopan	
9D	17	Ballina (Republic of Ireland)	164B	61	Barcelona (Venezuela)	106B	43	Baubau	86B	35	Belmore
8D	17	Ballinacurra	43C	23	Bardenfleth	49A	22	Baudouin Canal	9D	17	Belmullet
20D	20	Ballstad	75D	29	Bardia	69D	27	Bautino	143B	21	Belomorsk
7D	17	Ballycastle	5D	17	Bardsey Island	92C	37	Bavardeh	163A	62	Belwaarde
9B	17	Ballylongford	143D	14	Barents Island	17A	17	Bawdsey	35B	9	Belyy Ruchey
7D	17	Ballylumford	143A	14	Barents Sea	103D	42	Bawean Island	51A	18	Belz
8A	17	Ballymartin	143D	14	Barentsburg	192C	57	Bay Bulls	2C	17	Bembridge
9D	17	Ballyshannon	50A	18	Barfleur	187D	56	Bay City	112A	41	Ben Nghe
7D	17	Ballywalter	37D	25	Barhoft	192D	57	Bay de Verde	113A	41	Ben Thuy
19	19	Balmoral	60D	29	Bari	191D	57	Bay d'Espoir	12B	16	Benbecula
107B	44	Balogo	1A	17	Barking	191C	57	Bay of Islands	111A	41	Bencharmas Terminal
103C	42	Balongan Terminal	60D	29	Barletta	161B	62	Bay of Todos os Santos	46C	20	Bendorf
20B	21	Balsfjord	5D	17	Barmouth	13B	16	Bay of Ulsta	117C	47	Bengbu
30A	24	Balsta	160D	64	Barnabe Island	192D	57	Bay Roberts	75D	29	Benghazi
13B	16	Baltasound	180B	58	Barnegat	108D	44	Bayang Point	102C	42	Bengkalis
8D	17	Baltimore (Republic of Ireland)	172B	60	Barnett Harbour	108C	44	Baybay	101C	42	Bengkulu
179C	58	Baltimore (U.S.A.)	4C	17	Barnstaple	185A	57	Bayfield (Canada)	85A	34	Benguela
36D	26	Baltiysk	82A	36	Baro	188D	56	Bayfield (U.S.A.)	77B	28	Beni Saf
43D	22	Baltrum	130A	49	Barora	52B	30	Bayonne (France)	55D	28	Benicarlo
34	34	Bamako	34A	26	Barosund	180C	58	Bayonne (U.S.A.)	151B	53	Benicia
149A	52	Bamberton	19	19	Barque	175A	54	Bayport	81C	36	Benin (Benin)
25C	24	Bamble	172D	60	Barra Colorado	183A	57	Bayside	19	19	Benin (North Sea Terminals)
139B	49	Banaba (Ocean Island)	153A	59	Barra de Navidad	175A	54	Baytown	81D	36	Benin River
84C	36	Banana	85A	34	Barra do Dande	120B	46	Bayuquan	162C	62	Benjamim Constant
108D	44	Banate	Barra do Riacho, see Portocel	161C	62	Barra dos Coqueiros	180C	58	104D	43	Benjina
105C	43	Banda Island	12B	16	Barra Island	133D	48	Beachport	82A	36	Bennett Island
93A	37	Bandar Abbas	159B	64	Barranqueras	2A	17	Beachy Head	104C	42	Benoa
70A	27	Bandar Anzali	165B	60	Barranquilla	132C	48	Beadon	51A	18	Benodet
70A	27	Bandar Gaz	53D	28	Barreiro	9B	17	Beagh Castle	43D	22	Bensersiel
92C	37	Bandar Imam Khomeini (Bandar Shahpour)	183D	57	Barrington Passage	9A	17	Bear Haven	188A	56	Benton Harbour
93A	37	Bandar Lengeh (Lingah)	80B	36	Barro	143C	14	Bear Island (Bjornoya)	80C	36	Benty
92C	37	Bandar Mahshahr	146A	50	Barrow	183C	57	Bear River	82A	36	Benue, River
99C	43	Bandar Seri Begawan	132C	48	Barrow Island	13D	16	Beatrice Terminal	128C	45	Beppu
93A	37	Bandar Shahid Bahonar	132C	48	Barrow Island Terminal	178C	55	Beaufort	166D	61	Bequia Island
93A	37	Bandar Shahid Rejaie	16B	16	Barrow on Humber	186D	57	Beauharnois Lock	100C	42	Berau, River
		Bandar Shahpour, see Bandar Imam Khomeini	7B	17	Barrow-in-Furness	56D	31	Beaulieu	88A	35	Berbera
			5A	17	Barry	6A	17	Beaumaris	163B	62	Berbice, River
92D	37	Bandar Taheri	134D	48	Barry Beach	175B	54	Beaumont	69A	29	Berdiansk
70A	27	Bandar Tokerman	5B	17	Barry Island	134A	48	Beauty Point	88C	35	Berenice
39D	25	Bandholm	28C	25	Barsebackshamn	149B	52	Beaver Cove	69C	27	Berezniki
80A	36	Bandiala, River	31C	24	Barstahamn	183A	57	Beaver Harbour	45C	22	Bergambacht
72A	32	Bandirma	37D	25	Barth	186D	57	Becancour	168D	61	Bergantin (Dominican Republic)
151A	50	Bandon	163B	62	Bartica	16B	16	Beckingham	164B	61	Bergantin (Venezuela)
8D	17	Bandon, River	93C	40	Bartin	2B	17	Bedhampton	23C	24	Bergen
171C	60	Banes	147C	52	Bartlett Cove	93C	40	Bedi	47C	22	Bergen-op-Zoom
14A	16	Banff	86A	35	Bartolomeu Dias	1C	17	Bee Ness	31C	24	Bergkvistviken
111B	41	Bang Pakong	6D	17	Barton	124D	45	Befu	20C	21	Bergneset
106A	43	Banggai	16B	16	Barton on Humber	42C	65	Beidenfleth	33D	26	Bergo Island
106A	43	Banggai Island	101D	42	Barus	113C	41	Beihai	20A	21	Bergsfjord
103A	42	Bangka Island	96B	40	Baruva	114B	46	Beijiao	32B	26	Bergsviken
103D	42	Bangkalan	84B	36	Bas Kouilou	46	46	Beijing (Peking)	44C	22	Bergum
111B	41	Bangkok	107D	44	Basco	120C	46	Beiliang	142B	14	Beringovskiy
96C	40	Bangladesh	88C	35	Bashayer Terminal	116D	47	Beilun	44C	22	Berkel Twente Canal
7D	17	Bangor (Northern Ireland)	110C	44	Basilan Island	119A	47	Beipei	151C	53	Berkeley
182D	57	Bangor (U.S.A.)	72A	32	Basiskele	86A	35	Beira	53D	28	Berlenga Island
6A	17	Bangor (Wales)	28C	25	Baskemolla	74D	33	Beirut (Beyrouth)	19D	21	Berlevaag
150A	52	Bangor Wharf	47A	20	Basle	77A	28	Bejaia	20	20	Berlin
21C	20	Bangsund	190D	57	Basque Cove	100D	42	Bekapai Terminal	52C	30	Bermeo
		Bangui	186C	57	Basque Island	70A	27	Bekdash	179A	55	Bermuda
108B	44	Bani	92C	37	Basrah	35D	26	Bekker	28	28	Berne
74C	33	Banias (Baniyas)	4A	17	Bass Point	23D	24	Bekkjarvik	3C	17	Berry Head
101A	42	Banjarmasin	51C	30	Basse Indre	98D	41	Belanak Terminal	172B	60	Berry Islands
80A	36	Banjul	167B	61	Basse Terre	106A	43	Belang	186C	57	Berthier
94B	40	Bankot	52A	30	Bassens	27	27	Belarus	139C	49	Beru Island
8C	17	Bannow Bay	167C	61	Basseterre	Belau, see Palau			49C	18	Berville sur Mer
103B	42	Banten	28B	25	Bastad	102B	42	Belawan	15A	16	Berwick-upon-Tweed
9A	17	Bantry	57A	31	Bastia	94C	40	Belekeri	13C	19	Beryl
9A	17	Bantry Bay	113D	41	Basuo (Dongfang)	162A	62	Belem (Brazil)	19	19	Beryl A
103A	42	Banyu Asin, River	83C	36	Bata	53D	28	Belem (Portugal)	77B	28	Bethyloua
		Banyuwangi, see Tanjung Wangi	107A	44	Bataan	7D	17	Belfast (Northern Ireland)	139C	49	Betio
81A	36	Baobab Terminal	170D	60	Batabano	182C	57	Belfast (U.S.A.)	94C	40	Betul
117A	47	Baoshan	72A	32	Batak Burnu	7D	17	Belfast Lough	182B	58	Beverly
63B	29	Bar	107D	44	Batan Island	47A	22	Belfeld	44D	22	Beverwijk
182D	57	Bar Harbour	107B	44	Batargas	47D	22	Belgium	71C	32	Beykoz
6B	17	Bar Light	190B	56	Bath (Canada)	68C	29	Belgorod-Dnestrovskiy	67A	32	Beyolgu
		Baraawe, see Brava	47D	22	Bath (Netherlands)	68A	29	Belgrade (Beograd)	94D	40	Beypore
186A	57	Barachois	182C	57	Bath (U.S.A.)	62B	31	Beli	13C	19	Beyrouth, see Beirut
171D	60	Baracoa	185D	57	Bathurst	131B	48	Beli Beli	68A	29	Bezdam
169B	61	Barahona	145D	14	Bathurst Island	98D	41	Belida Terminal	94B	40	Bhagwati Bunder
99C	43	Baram	190C	57	Batiscan	103A	42	Belinyu	94A	40	Bhavnagar
147D	52	Baranof Island	176C	54	Baton Rouge	103A	42	Belitung Island	96B	40	Bheemunipatnam
160C	64	Barao de Teffe (Antonina)	19D	21	Batsfjord	173B	60	Belize	38	38	Bhutan
166D	61	Barbados	32B	26	Batskarsnas	173C	60	Belize City	105B	43	Biak
54C	30	Barbate	95C	40	Batticaloa	134A	48	Bell Bay			
140A	13	Barbers Point	193C	57	Battle Harbour	192C	57	Bell Island			
			17C	17	Battlesbridge	148C	52	Bella Coola			
			102D	42	Batu Ampar	176A	54	Belle Chasse			
			110D	44	Batu Batu	192A	57	Belle Harbour			
						51B	18	Belle Ile			

Col. No.	Page No.		Col. No.	Page No.		Col. No.	Page No.		Col. No.	Page No.	
108D	44	Bulata	161A	64	Cabo Frio	4B	17	Camel, River	184C	57	Cape Canso
104B	42	Buleleng	157B	63	Cabo Negro	19	19	Camelot	57C	28	Cape Carbonara
67B	29	Bulgaria	169B	61	Cabo Rojo	82D	36	Cameroon	179D	58	Cape Charles
105C	43	Buli	83C	36	Cabo San Juan	109C	44	Camiguin Island	186B	57	Cape Chat
165D	61	Bullen Bay	152C	59	Cabo San Lucas	53C	28	Caminha	142C	14	Cape Chelyuskina
134D	48	Bulli	77C	30	Cabo Tres Forcas	71C	29	Camli	193D	51	Cape Chidley
106A	43	Bumbulan	53B	30	Cabo Villano	161D	62	Camocim	142C	14	Cape Chukochi
131A	48	Buna	135B	48	Caboolture	58A	31	Camogli	81B	36	Cape Coast
9D	17	Bunbeg	78D	34	Cabras	170D	60	Campachuela	182A	58	Cape Cod Canal (E. Entrance)
133A	48	Bunbury	55C	28	Cabrera Island	158D	64	Campana	182A	58	Cape Cod Canal (W. Entrance)
10A	17	Buncrana	163D	61	Cabruta	137A	12	Campbell Island	182A	58	Cape Cod Light
135B	48	Bundaberg	80B	36	Cacheu	149A	52	Campbell River	60C	29	Cape Colonne
99A	41	Bunga Kekwa Terminal	80B	36	Cacheu, River	185D	57	Campbellton	95A	40	Cape Comorin
29C	25	Bungenas	80B	36	Cacine	11B	17	Campbeltown	4B	17	Cape Cornwall
11C	16	Bunnahabhainn Bay	80B	36	Cacine, River	174A	59	Campeche	86A	35	Cape Corrientes
106A	43	Bunta	84B	36	Cacongo (Landana)	161B	62	Campinho	154B	62	Cape Corrientes (Colombia)
106C	43	Buol	6D	17	Cadishhead	104A	42	Camplong	153A	59	Cape Corrientes (Mexico)
175D	54	Buras	109A	44	Cadiz (Philippines)	83A	36	Campo	131A	48	Cape Cretin
48B	22	Burcht	54B	30	Cadiz (Spain)	161A	64	Campos	85C	34	Cape Cross
32A	26	Burea	106C	44	Cadlao Terminal	109A	44	Campuyo	132D	48	Cape Cuvier
53A	30	Burela	50A	18	Caen	112C	41	Cam-Ranh Bay	86B	35	Cape Delgado
142A	39	Burevestnik	5D	17	Caernarfon	111D	41	Can Tho	150B	52	Cape Disappointment
38B	65	Burg	109D	44	Cagayan de Oro	145B	50	Canada (Arctic)	145C	51	Cape Dorset
191D	57	Burgoe	107D	44	Cagayan River	183A	57	Canada (Atlantic)	169A	61	Cape Engano
13D	16	Burghead	109C	44	Cagdianao	189A	56	Canada (Great Lakes)	144B	14	Cape Farewell (Greenland)
38A	25	Burgstaaken	57C	28	Cagliari	192A	57	Canada (Newfoundland & Labrador)	136C	49	Cape Farewell (New Zealand)
29B	25	Burgsvik	9A	17	Cahirciveen	148B	52	Canada (Pacific)	178D	58	Cape Fear
72C	32	Burhaniye	8B	17	Cahore Point	193B	57	Canada Bay	178D	58	Cape Fear River
192B	57	Burin	113B	41	Cai Lan	72B	32	Canakkale	53B	30	Cape Finisterre
34	34	Burkina Faso	171B	60	Caibarien	137B	49	Canala	143D	14	Cape Fishburn
193B	57	Burlington (Newfoundland)	171D	61	Caicos Islands	171D	60	Cananova	135D	48	Cape Flattery (Australia)
190A	56	Burlington (Ontario)	170C	60	Caimanera	171D	60	Canapor	150B	52	Cape Flattery (U.S.A.)
180A	58	Burlington (U.S.A.)	80B	36	Caio Island	10B	17	Canary Islands	145C	51	Cape Fullerton
4D	17	Burnham	10B	17	Cairnryan	135C	48	Canberra	130C	48	Cape Gloucester
17C	17	Burnham on Crouch	16D	17	Caister (England)	35	35	Cancale	190C	57	Cape Goose
134B	48	Burnie	19	19	Caister (North Sea Terminals)	82D	36	Candala			Cape Guardafui, see Ras Asir
188B	56	Burns Harbour	82D	36	Calabar	82D	36	Candala	193D	51	Cape Harrison
176B	54	Burnside	107A	44	Calaca	72C	32	Candarli	178D	58	Cape Hatteras
14C	16	Burntisland	49B	18	Calais (France)	65C	32	Canea (Khania)	179D	58	Cape Henlopen
20B	21	Buroysund	182D	57	Calais (U.S.A.)	53C	30	Cangas	179A	58	Cape Henry
12D	16	Burray	106D	44	Calamian Islands	78C	34	Canical	157C	63	Cape Horn
55D	28	Burriana	58C	31	Calamita	12D	16	Canisbay	130C	48	Cape Hoskins
5B	17	Burry Port	102A	42	Calang	80B	36	Canjaja	168D	61	Cape Isabela
16A	16	Burton upon Stather	107A	44	Calapan	94D	40	Cannanore (Kanur)	133D	48	Cape Jaffa
9D	17	Burtonport	67D	29	Calarasi	56D	31	Cannes	133D	48	Cape Jervis
105C	43	Buru Island	108C	44	Calbayog	59C	28	Canneto	78A	34	Cape Juby
82A	36	Burundi	156D	63	Calbuco	184C	57	Canso Harbour	67B	29	Cape Kaliakra
121B	46	Busan (Pusan)	175C	54	Calcasieu Lake	16D	17	Cantley	143A	21	Cape Kanin
92D	37	Bushire (Bushehr)	175C	54	Calcasieu River	139C	49	Canton (Kanton) Island			Cape Kennedy, see Cape Canaveral
108D	44	Buson	188A	56	Calcite	84D	34	Canton, see Guangzhou	63C	29	Cape Kopraina
133A	48	Busselton	156B	63	Calcutta, see Kolkata	1B	17	Canvey Island	141A	39	Cape Krilon
106D	44	Busuanga Island	153D	60	Caldera (Chile)	120A	46	Caofeidian Field	64D	32	Cape Kynosoura
42C	65	Busum	153D	60	Caldera (Costa Rica)	117A	47	Caojing	132B	48	Cape Lambert
139B	49	Butaritari Island	110A	44	Caldera Bay	37D	25	Cap Arkona	146B	14	Cape Lazaref
192D	57	Butchers Cove	156B	63	Calderilla	186A	57	Cap aux Meules	133A	48	Cape Leeuwin
36D	26	Butinge Terminal	5B	17	Caldy Island	79B	34	Cap Blanc	146A	50	Cape Lisburne
12C	16	Butt of Lewis	13D	16	Caledonian Canal (N. Entrance)	76C	31	Cap Bon	132A	48	Cape Londonderry
17A	17	Butterman's Bay	11D	16	Caledonian Canal (S. Entrance)	77A	28	Cap Bougaroni	178D	58	Cape Lookout
97D	41	Butterworth	156B	63	Caleta Barquito	57A	31	Cap Corse	142A	14	Cape Lopatka
109C	44	Butuan	157B	63	Caleta Clarencia	49C	18	Cap d'Antifer	186B	57	Cape Magdalen
43A	23	Butzfleth	156A	63	Caleta Coloso	50B	18	Cap de la Hague	190C	57	Cape Maillard
21D	24	Buvika	158B	63	Caleta Cordova	76D	31	Cap Farina	64C	32	Cape Maleas
67A	32	Buyuk Cekmece	156A	63	Caleta Michilla	52B	30	Cap Ferret			Cape Matapan, see Cape Tainaron
67A	32	Buyukdere	158B	63	Caleta Olivares	49B	18	Cap Gris Nez	180B	58	Cape May
161A	64	Buzios	158B	63	Caleta Olivares	169C	61	Cap Haitien	67A	32	Cape Mehmetcik
182A	58	Buzzards Bay	158B	63	Caleta Olivia	83D	36	Cap Lopez	151A	50	Cape Mendocino
23A	24	Bygstad	156A	62	Caleta Patache	57A	31	Cap Pertusato	145D	51	Cape Mercy
32A	26	Byske	156A	62	Caleta Patillos	190C	57	Cap St. Jacques, see Vung Tau	135B	48	Cape Moreton
120A	46	BZ	158B	63	Caleta Paula	76D	28	Cap St. Michel	57D	31	Cape Mortola
120A	46	BZ -1 Terminal	154D	13	Caleta Paula	169C	60	Cap Serrat	80D	36	Cape Mount
			173D	60	Caleta Tagus	79D	36	Cap Tiburon	133A	48	Cape Naturaliste
					Caleta Toyos	107D	44	Capalunga	142B	14	Cape Navarin
					Calica	85D	34	Cape Agulhas	134A	48	Cape Nelson
					Calicut, see Kozhikode	66D	32	Cape Akrotiri	184D	57	Cape North
					California (CA)	86C	35	Cape Amber	133D	48	Cape Northumberland
					Calingapatnam, see Kalingapatnam	141A	39	Cape Aniva	85D	34	Cape of Good Hope
					Callantsoog	57D	31	Cape Argentiera	186C	57	Cape Original
					Callao	60C	29	Cape Armi	143B	21	Cape Orlov-Terskiy
					Caloundra Head	185B	57	Cape Bear	134A	48	Cape Otway
					Calshot Light Vessel	143D	14	Cape Bessels	81A	36	Cape Palmas
					Calvi	143D	14	Cape Bessels	60A	28	Cape Passero
					Cam Pha	151A	50	Cape Blanco	157B	63	Cape Pilar
					Cam River	133C	48	Cape Borda	70D	29	Cape Pitsunda
					Camalti	142C	14	Cape Borkhaya	85D	34	Cape Point
					Camamu	132A	48	Cape Bougainville	136C	49	Cape Providence
					Camar Terminal	184D	57	Cape Breton	192C	57	Cape Race
					Camaret	184C	57	Cape Breton Island	191D	57	Cape Ray
					Camarinas	136B	49	Cape Brett	85D	35	Cape Recife
					Camarones	144A	14	Cape Brewster	186B	57	Cape Rosier
					Cambodia	190C	57	Cape Brule			
					Cambridge	178B	55	Cape Canaveral (Cape Kennedy)			
					Camden						

C

ALPHABETICAL INDEX

141

Col. No.	Page No.	
		Dhilos Island, see Delos Island
94A	40	Dholera
89C	33	Dhuba
90A	35	Dhubab (Doubabe)
159B	64	Diamante
96C	40	Diamond Harbour
97A	41	Diamond Island
178D	58	Diamond Shoal Light
145B	51	Diana Bay
107D	44	Diapitan Bay
90C	37	Diba
52D	30	Dicido
95B	35	Diego Garcia
50B	18	Dielette
113A	41	Diemdien
49C	18	Dieppe
49D	18	Dieppedalle
118A	47	Digang
183C	57	Digby
20C	21	Digermulen
26C	24	Digerudgrunnen
96B	40	Digha
94B	40	Dighi
72C	32	Dikili
142D	14	Dikson
192D	57	Dildo
104D	43	Dili
71D	32	Diliskelesi
109C	44	Dinagat
109C	44	Dinagat Island
50B	18	Dinard
107D	44	Dingalan Bay
116D	47	Dinghai
6D	17	Dingle (England)
9A	17	Dingle (Republic of Ireland)
9A	17	Dingle Bay
184D	57	Dingwall (Canada)
13D	16	Dingwall (Scotland)
6A	17	Dinmor
47B	22	Dintel Mark, River
47B	22	Dintelmond
47B	22	Dinteloord
110A	44	Dipolog
24C	24	Dirdal
35D	26	Dirhami
170A	60	Discovery Bay
144D	14	Disko Island
43D	22	Ditzum
93D	40	Diu
129C	12	Djarrit
77A	28	Djen Djen (Jijel)
84B	36	Djeno Terminal
76B	28	Djerba Island
88B	35	Djibouti
79D	36	Djifere
18D	20	Djupavik
18B	20	Djupivogur
20D	21	Djupvik (Norway)
31D	24	Djupvik (Sweden)
29D	24	Djuron
68D	29	Dnepr, River
68D	29	Dneprobugskiy
68D	29	Dneprodzerzhinsk
68D	29	Dnepropetrovsk
68D	29	Dneprovskoye
68C	29	Dnestr, River
113A	41	Doan Xa
104D	43	Dobo
31C	24	Docksta
46A	22	Dodewaard
35		Dodoma
47D	22	Doel
92B	37	Doha
91B	37	Doha (Ad Dawhah)
44B	22	Dokkum
44B	22	Dokkumer Ee Canal
149C	52	Dollarton
23C	24	Dolvik
47C	22	Domburg
167A	61	Dominica
168D	61	Dominican Republic
193C	51	Domino
31C	24	Domsjo
69B	29	Don, River
61B	31	Donada
7D	17	Donaghadee
176B	54	Donaldsonville
9D	17	Donegal
9D	17	Donegal Bay
112A	41	Dong Nai
112B	41	Dong Thap
132D	48	Dongarra
51C	30	Donges
		Dongfang, see Basuo
114D	46	Dongguan

Col. No.	Page No.	
121C	46	Donghae (Bukpyung)
115B	47	Donglian
115C	47	Dongshan
119B	46	Dongtai
119D	46	Dongying
190C	57	Donnacona
142B	39	Donuchaeva Bay
148A	52	Dora Bay
183B	57	Dorchester
52A	30	Dordogne, River
45D	22	Dordrecht
46B	22	Dormagen
13C	16	Dornoch Firth
73D	33	Dortyol
174B	59	Dos Bocas
173C	60	Dos Hermanos
83A	36	Douala
50D	18	Douarnenez
		Doubabe, see Dhubab
136C	49	Doubtful Sound
7B	17	Douglas (England)
	19	Douglas (Irish Sea)
145B	51	Douglas Harbour
185D	57	Douglstown
53C	28	Douro
53C	28	Douro, River
2A	17	Dover
5D	17	Dovey, River
2A	17	Downs, The
20D	21	Drag
55C	28	Dragonera Island
39A	25	Dragor
19		Drake
26B	24	Drammen
26A	24	Dramsford
65A	32	Drapetzona
16A	16	Drax
131A	48	Dreger Harbour
17D	20	Drelnaes
63D	29	Drepanon
43A	23	Dresden
147A	50	Drift River Terminal
26C	24	Drobak
39A	25	Drogden Light
8B	17	Drogheda
165C	61	Druif
10B	17	Drummore
46A	22	Druten
67B	32	Druzba
22B	24	Dryna
90D	37	Dubai (Mina Rashid)
11D	16	Dubh Artach
8B	17	Dublin
63A	29	Dubrovnik (Ragusa)
139A	13	Ducie Island
49D	18	Duclair
137A	49	Ducos
142D	14	Dudinka
62C	31	Dugi Island
62D	29	Dugi Rat
46B	22	Duisburg
149A	52	Duke Point
38B	65	Dukerswisch
99A	41	Dulang Terminal
189A	56	Duluth
109A	44	Dumaguete
102B	42	Dumai
10D	16	Dumbarton
10A	17	Dumfries
157C	15	Dumont d'Urville
8B	17	Dun Laoghaire
4D	17	Dunball
15A	16	Dunbar
19		Dunbar
13C	16	Dunbeath
149B	52	Duncan Bay
8C	17	Duncannon
12D	16	Duncansby Head
8A	17	Dundalk
		Dundas, see Uummanaq
14B	16	Dundee
8A	17	Dundrum
136D	49	Dunedin
112D	41	Dung Quat
8C	17	Dungarvan
2A	17	Dungeness
10D	16	Dunglass
98D	41	Dungun
49A	18	Dunkirk (Dunkerque)
19		Dunlin
8C	17	Dunmore East
12C	16	Dunnet Head
11A	16	Dunoon
15B	16	Dunston
12A	16	Dunvegan
90B	35	Duqm
154D	62	Duran

Col. No.	Page No.	
		Durazzo, see Durres
86A	35	Durban
12C	16	Durness
63B	29	Durres (Durazzo)
	11	Dushanbe
46B	22	Dusseldorf
146B	14	Dutch Harbour
93D	40	Dwarka
25B	24	Dybvaag
31B	24	Dynas
26D	24	Dynekilen
19A	20	Dyrafjord
23B	24	Dyrdal
19C	20	Dyrholaey
20C	21	Dyroy
86C	35	Dzaoudzi
173D	60	Dzilam

E

Col. No.	Page No.	
150A	52	Eagle Harbour
	19	Easington
182C	57	East Boothbay
136B	49	East Cape
158A	63	East Cove
147A	50	East Foreland
43D	22	East Frisian Islands
85D	35	East London
185B	57	East Point
181A	58	East River
177A	54	East St. Louis (IL)
104D	43	East Timor (Timor Leste)
88D	33	East Zeit Terminal
156B	49	Easter Island (Isla de Pascua)
184B	57	Eastern Passage
47C	22	Eastern Scheldt (Oosterschelde)
6C	17	Eastham
136A	49	Eastland Port (Gisborne)
182D	57	Eastport
41B	25	Ebeltoft
122C	45	Ebisu
83A	36	Ebome Terminal
38B	65	Eckernforde
33C	26	Eckero
183B	57	Economy
154C	62	Ecuador
184B	57	Ecum Secum
	19	Edda
180A	58	Eddystone
3C	17	Eddystone Light
134C	48	Eddystone Point
134D	48	Eden
180D	58	Edgewater (NJ)
72B	32	Edincik
133C	48	Edithburgh
149D	52	Edmonds
72C	32	Edremitt
27D	24	Edsvalla
44A	22	Eems Canal
44A	22	Eemshaven
137C	49	Efate Island
59D	28	Egadi Islands
		Egedesminde, see Aasiaat
40D	25	Egersund
24D	24	Egersund
191A	57	Egg Island
21C	24	Eggebogen
22C	24	Eggesbones
44D	22	Egmond aan Zee
142B	14	Egvekinot
75A	29	Egypt (Mediterranean)
88C	33	Egypt (Red Sea)
23D	24	Eide
38B	65	Eider, River
23D	24	Eidfjord
24D	24	Eidsfjord
23B	24	Eikefet
22D	24	Eikefjord
89B	33	Eilat
43B	23	Einswarden
		Eire, see Republic of Ireland
187A	57	Eisenhower Lock
24A	24	Eitrheim
42A	25	Ejerslev
		Ekenas, see Tammisaari
13C	19	Ekofisk
143A	21	Ekonomiya
83D	36	Ekoueta
		El Aaraich, see Larache
75C	33	El Agami Island
		El Alamein, see Mersa el Hamra Terminal

Col. No.	Page No.	
75A	28	El Arish
	67	El Ballah
172D	60	El Bluff
154B	62	El Charco
164B	61	El Chaure
173D	60	El Cuyo
75C	33	El Dekheila
	67	El Firdan
164A	61	El Guamache
77D	34	El Jadida
	67	El Kabrit
88A	35	El Maan
75B	67	El Mina El Gedida
164C	61	El Palito
75B	67	El Qantara
		El Quseir, see Kosseir
153B	59	El Salvador
152B	53	El Sauzal
152A	53	El Segundo Terminal
	67	El Shallufa
164D	61	El Tablazo
	67	El Tina
89B	33	El Tur
58C	31	Elba Island
42C	65	Elbe, River
49D	18	Elbeuf
36D	26	Elblag
	19	Eldfisk
134B	48	Electrona
96D	40	Elephant Point (Bangladesh)
97A	41	Elephant Point (Myanmar)
65A	32	Eleusis
172A	60	Eleuthera Island
66C	32	Elevtherai
	19	Elgin
14C	16	Elie
2D	17	Eling
179B	58	Elizabeth River
180C	58	Elizabethport
144A	14	Ella Island
28D	25	Elleholm
42B	23	Ellenbogen
6C	17	Ellesmere Port
138A	49	Ellington
186B	57	Ellis Bay
133B	48	Elliston
	19	Ellon
	19	Elly
42D	23	Elmshorn
22A	24	Elnesvagen
97B	40	Elphinstone Harbour
43B	23	Elsfleth
39A	25	Elsinore (Helsingor)
20A	21	Elvebakken
23B	24	Elvik
151D	53	Elwood
43D	22	Emden
130D	48	Emirau Island
165D	61	Emmestad
46B	22	Emmerich
175D	54	Empire (Louisiana)
150D	50	Empire (Oregon)
130B	49	Empress Augusta Bay
43D	22	Ems, River
98C	41	Endau
104C	43	Ende
41A	25	Endelave By
41A	25	Endelave Island
139C	49	Enderbury Island
129B	12	Enewetak Atoll
26B	24	Engene
101C	42	Enggano Island
1A	17	England
193B	57	Englee Harbour
149B	52	Englewood
192A	57	English Harbour East
36B	26	Engure
44C	22	Enkhuizen
30A	24	Enkoping
96A	40	Ennore

ALPHABETICAL INDEX

143

Col. No.	Page No.	
122A	45	Fukushima
124B	45	Fukuyama
119A	47	Fuling
130C	48	Fulleborn
13C	19	Fulmar
174D	54	Fulton
125D	45	Funabashi
139B	49	Funafuti
139B	49	Funafuti Island
122C	45	Funakawa
78B	34	Funchal
40B	25	Funen
116B	47	Fuqing
42A	25	Fur
42A	25	Fur Island
42A	25	Fur Molervaerk
29C	25	Furillen
11B	16	Furnace
32A	26	Furuogrund
30C	24	Furusund
23C	24	Fusa
122D	45	Fushiki
122D	45	Fushiki-Toyama
127C	45	Futajima
84B	36	Futila Terminal
126A	45	Futtsu
116B	47	Fuzhou

G

76B	28	Gabes
83C	36	Gabon
83D	36	Gabon, River
	35	Gaborone
159B	64	Gaboto
93B	40	Gadani Beach
30B	24	Gaddviken
58D	28	Gaeta
70D	29	Gagry
16B	16	Gainsborough
12B	16	Gairloch
154D	13	Galapagos Islands
47B	22	Galathesche
67D	29	Galatz (Galati)
105B	43	Galeia
175A	54	Galena Park
166B	61	Galeota Point Terminal
76D	28	Galita Island
95C	40	Galle
	19	Galley
	8D	Galley Head
60C	29	Gallipoli
175A	54	Galveston
175A	54	Galveston Bay
9C	17	Galway
9C	17	Galway Bay
131B	48	Gamadodo
125B	45	Gamagori
84A	36	Gamba Terminal
146A	50	Gambell
80A	36	Gambia, River
80A	36	Gambia, The
192D	57	Gambo
172C	68	Gamboia
29C	25	Gambleby
	19	Gamma
95A	35	Gan Island
115C	47	Gan River
190B	56	Gananoque
92D	37	Ganaveh
55C	28	Gandia
83D	36	Gangue River
	19	Gannet
43B	23	Ganspe
115C	47	Ganzhou
117C	47	Gaogang
114B	46	Gaolan
109B	44	Garcia Hernandez
19B	20	Gardabaer
96C	40	Garden Reach
14A	16	Gardenstown
150D	50	Gardiner
139C	49	Gardner Island (Nikumaroro Atoll)
	11A	Gareloch
	11A	Garelochhead
	10B	Garlieston
	23C	Garnes
	52A	Garonne, River
	82B	Garoua
	55A	Garrucha
	6D	Garston
188B	56	Gary Harbour
176B	54	Garyville
107B	44	Gasan

Col. No.	Page No.	
130C	48	Gasmata Island
186B	57	Gaspe
74B	33	Gastria Bay
15B	16	Gateshead
156A	63	Gatico
137C	49	Gatope
172C	68	Gatun
	68	Gatun Locks
191D	57	Gaultois
65C	32	Gavdo (Gavados) Island
151D	53	Gaviota
		Gavle, see Gefle
65D	32	Gavrion
75A	33	Gaza
62C	31	Gazenica
37A	25	Gdansk
37A	25	Gdynia
80B	36	Geba, River
105C	43	Gebe Island
160D	64	Gebig
71D	32	Gebze
39D	25	Gedser
48A	22	Geel
134C	48	Geelong
47B	22	Geertruidenberg
30D	24	Gefle (Gavle)
22C	24	Geiranger
176B	54	Geismar
88D	33	Geisum Terminal
60A	28	Gela
70C	29	Gelendzhik
67A	32	Gelibolu (Gallipoli)
38B	25	Gelting
72A	32	Gemlik
46A	22	Gendt
	67	Geneffe
	15	General Belgrano II
	15	General Bernardo O'Higgins
159A	64	General Lagos
	15	General San Martin (Antarctica)
155C	62	General San Martin (Peru)
110B	44	General Santos (Dadiangas)
48A	22	Genk
127C	45	Genkai
49D	18	Gennevilliers
58A	31	Genoa (Genova)
	15	Gent, see Ghent
	15	Georg von Neumeyer
170B	60	George Town
134A	48	Georgetown (Australia)
185B	57	Georgetown (Canada)
163B	62	Georgetown (Guyana)
97D	41	Georgetown (Malaysia)
85B	34	Georgetown (St. Helena and Dependencies)
166D	61	Georgetown (St. Vincent and the Grenadines)
178C	55	Georgetown (U.S.A.)
70D	27	Georgia (Black Sea)
178B	55	Georgia (U.S.A.)
65C	32	Georgiopolis
132D	48	Geraldton
37C	25	Germany (Baltic Sea)
42B	22	Germany (North Sea)
46A	22	Germany (Rhine)
46D	20	Germersheim
46D	20	Gernsheim
41B	25	Gerrild
146C	14	Gertrude Cove
71B	29	Gerze
105C	43	Geser Island
54C	30	Getares
81B	36	Ghana
76D	31	Ghar el Melh
129C	49	Ghavutu Island
		Ghawdex Island, see Gozo
	77B	Ghazaouet
	69A	Ghenichesk
	48D	Ghent (Gent)
	48C	Ghent-Terneuzen Canal
	60B	Giardini
171C	60	Gibara
20B	21	Gibostad
54C	30	Gibraltar
110C	44	Gigaquit
11B	16	Gigha Island
58C	31	Giglio Island
52D	30	Gijon
139B	49	Gilbert Islands
21A	21	Gildeskal
26B	24	Gilhus
131B	48	Gili Gili
104B	42	Gilimanuk

Col. No.	Page No.	
39B	25	Gilleleje
1C	17	Gillingham
109D	44	Gingog
59C	28	Gioia Tauro
36C	26	Gipka
134D	48	Gippsland Lakes
85A	34	Girassol Terminal
71A	29	Giresun
52A	30	Gironde, River
10C	17	Girvan
		Gisborne, see Eastland
		Port
67D	29	Giurgiu
89D	35	Gizan
130A	49	Gizo
130A	49	Gizo Island
25B	24	Gjevingstangholmen
184D	57	Glace Bay
147C	52	Glacier Bay
135B	48	Gladstone
22A	24	Glaerem
8D	17	Glandore
10D	16	Glasgow
7A	17	Glasson Dock
41B	25	Glatved
7D	17	Glenarm
10A	17	Glencaple
11D	16	Glencripesdale
133D	48	Glennelg (Australia)
12A	16	Glennelg (Scotland)
9A	17	Glengariff
11A	16	Glenmallan
11D	16	Glensanda
37B	25	Glinki
21A	21	Glomfjord
26C	24	Glomma River
33A	26	Gloskar
5A	17	Gloucester (England)
182B	58	Gloucester (Massachusetts)
180B	58	Gloucester (New Jersey)
193A	57	Glover Harbour
192D	57	Glovertown
42D	65	Gluckstadt
31A	24	Gnarp
73C	32	Gocek
37B	25	Goclaw
112C	41	Godau
191A	57	Godbout
189C	56	Goderich
		Godhavn, see Qeqertarsuaq
		Godthaab, see Nuuk
121B	46	Goeje (Kojje) Island
35C	26	Gogland Island
126A	45	Goi
120D	46	Gojeong
72B	32	Gokceada
73B	32	Gokova
142D	14	Golchikka
72A	32	Golcuk
184A	57	Gold River
151B	53	Golden Gate
56B	31	Golfe de Fos
154A	60	Golfito
57B	31	Golfo Aranci
153D	60	Golfo de Nicoya
153D	60	Golfo Dulce
158B	63	Golfo Nuevo
158B	63	Golfo San Matias
152D	59	Golfo Santa Clara
23C	24	Goltaosen
137B	49	Gomen
79A	34	Gomera
169C	61	Gonaives
49C	18	Gonfreville L'Orcher
176B	54	Good Hope
131B	48	Goodenough Island
131C	48	Good's Island
16A	16	Goole
193D	51	Goose Bay
96B	40	Gopalpur
189B	56	Gore Bay
71A	29	Gorele
3B	18	Gorey
58B	31	Gorgona Island
45D	22	Gorinchem
		Gorkiy, see Nizhny Novgorod
17A	17	Gorleston
13C	19	Gorm
141A	39	Gornozavodsk
137B	49	Goro
106A	43	Gorontalo
2C	17	Gosport
18A	20	Gota (Faroes)
27C	25	Gota (Sweden)

Col. No.	Page No.	
27C	25	Gota Alv
28A	24	Gota Canal
27B	25	Gothenburg (Goteborg)
29B	25	Gotland Island
166A	61	Goto
123B	45	Gotsu
45C	22	Gouda
85B	10	Gough Island
77A	28	Gouraya
14B	16	Gourdon
10D	16	Gourock
131D	48	Gove
60B	28	Gozo (Ghawdex) Island
40D	25	Graasten
78A	34	Graciosa Island
62A	31	Gradac
18D	20	Grafaros
135A	48	Grafton
148C	52	Graham Island
176B	54	Gramercy
78C	34	Gran Tarajal
193C	57	Granby Island
172B	60	Grand Bahama Island
192A	57	Grand Bank
80D	36	Grand Bassa
81B	36	Grand Bassam
83A	36	Grand Batanga
81A	36	Grand Berebi
167A	61	Grand Bourg
117C	47	Grand Canal
78D	34	Grand Canary
170B	60	Grand Cayman Island
86B	35	Grand Comore Island
49D	18	Grand Couronne
81A	36	Grand Drewin
183A	57	Grand Harbour
188A	56	Grand Haven
81A	36	Grand Lahou
183A	57	Grand Manan Island
81C	36	Grand Popo
187C	56	Grand River
171D	61	Grand Turk (Cockburn Town)
171D	61	Grand Turk Island
190D	57	Grande Anse
186C	57	Grande Metis
167B	61	Grande Terre
186B	57	Grande Vallee
26C	24	Granerudstoa
14D	16	Grangemouth
29B	25	Grankullaviken
15A	16	Granton
30D	24	Granudden
32B	26	Granvik
50B	18	Grannville
55D	28	Grao de Murviedro
180C	58	Grasselli
134A	48	Grassy
27A	24	Gravarnes
20C	20	Gravald
47A	22	Grave
49B	18	Gravelines
1A	17	Gravesend
181A	58	Gravesend Bay
1A	17	Grays
150B	52	Grays Harbour
26C	24	Greaker
172B	60	Great Abaco Island
172A	60	Great Exuma Island
172A	61	Great Inagua Island
187A	56	Great Lakes
97C	40	Great Nicobar Island
17B	17	Great Oakley
6A	17	Great Ormes Head
135C	48	Great Palm Island
146C	14	Great Sitkin Island
145B	51	Great Whale River
16D	17	Great Yarmouth
26D	24	Grebbestad
63C	29	Greece
188C	56	Green Bay
178B	55	Green Cove Springs
170A	60	Green Island
1A	17	Greenhithe
144A	14	Greenland
191B	57	Greenly Island
10D	16	Greenock
8A	17	Greenore
181B	58	Greenport
193A	57	Greenspond
81A	36	Greenville
176C	54	Greenville (MS)
1A	17	Greenwich
157B	63	Gregorio Bay
157B	63	Gregorio Bay
37C	25	Greifswald
41B	25	Grenaa

Col. No.	Page No.		Col. No.	Page No.		Col. No.	Page No.		Col. No.	Page No.	
166C	61	Grenada	39C	25	Gulfhavn	43A	23	Hamburg	140A	13	Hawaii Island
18C	20	Grenivik	177A	54	Gulfport	26D	24	Hamburgsund	147C	52	Hawk Inlet
104A	42	Gresik	26B	24	Gullaug	179A	55	Hamilton (Bermuda)	136A	49	Hawke Bay
176A	54	Gretna	13B	19	Gullfaks	190A	56	Hamilton (Canada)	193C	57	Hawke Harbour
136C	49	Greymouth		19	Gullfaks South		19	Hamilton (Irish Sea)	191B	57	Hawkes Bay
132C	48	Griffin Terminal	21A	21	Gullsmedvik	193C	51	Hamilton Inlet	135B	48	Hay Point (Dalrymple Bay)
174A	59	Grijalva, River	73A	32	Gulluk	34C	26	Hamina	71C	32	Haydarpasa
16C	16	Grimsby	32A	26	Gumbodahamn	38C	25	Hammeren	4B	17	Hayle
25B	24	Grimstad	73A	32	Gumsluk	20D	21	Hammerfall	135C	48	Hayman Island
19C	20	Grindavik	172B	60	Gun Cay	20A	21	Hammerfest	94A	40	Hazira
186A	57	Grindstone	29C	25	Gunnebo	38C	25	Hammerhavn	192D	57	Hearts Content
30C	24	Grislehamn	16B	16	Gunness Wharf	19D	21	Hamnukt	186B	57	Heath Point
193B	57	Groais Island	120D	46	Gunsan (Kunsan)	193B	57	Hampden		19	Heather
38A	25	Gromitz	101D	42	Gunung Sitoli	179B	58	Hampton Roads	15C	16	Hebburn
190C	57	Gronelines	22C	24	Gurskebotn	88C	33	Hamrawein	193D	51	Hebron
143D	14	Gronfjord	22C	24	Gursken	90D	37	Hamriyah	119A	47	Hechuan
29B	25	Gronhogen	31B	24	Gustafsvik	90D	37	Hamriyah Terminal	46A	22	Heerewaarden
44A	22	Groningen	167C	61	Gustavia	115C	47	Han River	27A	24	Heestrand
		Gronnedal, see	30B	24	Gustavsberg	140A	13	Hana	118A	47	Hefei
		Kangilinnguit	147C	52	Gustavus	125B	45	Handa (Japan)	128D	47	Heianza
25A	24	Gronsfjord	174B	59	Gutierrez Zamora	88A	35	Handa (Somalia)	141D	39	Heihe
7D	17	Groomsport Bay	163A	62	Guyana	156B	49	Hanga Roa	38A	25	Heiligenhafen
45C	22	Groot-Ammers	159C	64	Guyrati Pass			Hangam Island, see	19	Heimdal	
167D	61	Groote Bay	184C	57	Guysborough			Henjam Island	97B	41	Heinze Creek
131D	48	Groote Eylandt	93B	40	Gwadar	116D	47	Hangzhou	125B	45	Hekinan
186C	57	Gros Cacouna	121A	46	Gwangyang (Kwangyang)	33D	26	Hanko	20D	21	Heklestrand
181C	58	Groton	4A	17	Gweek	116B	47	Hankong	37A	25	Hel
44C	22	Grouw		19	Gyda	118C	47	Hankou	19	Helder	
16B	16	Grove Wharf	68B	29	Gyor	125A	45	Hannan	4A	17	Helford River
1D	17	Grovehurst Jetty	64B	32	Gythion (Yithion)	113A	41	Hanoi	29C	25	Helgenas
143D	14	Grumantbyen				41D	25	Hanstholm	43C	23	Helgoland
19A	20	Grundarfjordur				47D	22	Hansweert	19B	20	Helguvik
19B	20	Grundartangi				183C	57	Hantsport	39A	25	Hellerup
30D	24	Grundvik				139A	13	Hao Island	22B	24	Hellesylt
27D	24	Gruvon				96C	40	Haora	47B	22	Hellevoetsluis
63A	29	Gruz				32C	26	Haparanda	19B	20	Hellissandur
20B	21	Gryllefjord				89C	33	Haql	32D	26	Hellnas
157D	15	Grytviken				32B	26	Haraholmen	86D	35	Hellville
129D	49	Guadalcanal Island				19	Harald		19	Helm	
54B	30	Guadalquivir, River				126B	45	Haramichi	47A	22	Helmond
167A	61	Guadeloupe				35	Harare		13C	16	Helmsdale
54A	30	Guadiana, River				141D	39	Harbin	28B	25	Helsingborg
160D	64	Guaiba Island				187D	56	Harbor Beach			Helsingor, see Elsinore
160B	64	Guaiba, River				174D	54	Harbor Island	34A	26	Helsinki
159D	64	Gualeguaychu				191D	57	Harbour Breton	36A	26	Heltermaa
128D	12	Guam				192B	57	Harbour Buffet	25A	24	Helvig
161D	62	Guamare Terminal				192D	57	Harbour Grace	48B	22	Hemiksem
173A	60	Guanaja Island				43A	23	Harburg	42D	65	Hemmoor
155B	62	Guanape Islands				23D	24	Hardangerfjord	22A	24	Hemnefjord
115B	47	Guangdong Terminal				40D	25	Hardeshoj	21B	21	Hemnesberget
114C	46	Guangzhou (Canton)				19	Harding	27B	25	Henan	
168C	61	Guanica				45D	22	Hardinxveld	52B	30	Hendaye
156A	62	Guanillo				191D	57	Hare Bay (Newfoundland, N.E. coast)	139A	13	Henderson Island
163D	61	Guanoco				193C	57	Hare Bay (Newfoundland, S. coast)	45C	22	Hendrik Ido Ambacht
164A	61	Guanta				22C	24	Hareid	153C	60	Henecan
170C	60	Guantanamo				48B	22	Hareid	44C	22	Hengelo
170C	60	Guantanamo Bay				49C	18	Harfleur	118D	47	Hengyang
154C	62	Guapi				30C	24	Hargshamn	93A	37	Henjam (Hangam) Island
164B	61	Guaraguao				44B	22	Harlingen (Netherlands)	51A	18	Hennebont
164C	61	Guarano Bay				174D	54	Harlingen (U.S.A.)	20C	21	Henningsvaer
157A	63	Guarello				149A	52	Harmac	32D	26	Heplotsund
160D	64	Guaraja						Harnosand, see			Heraklion, see Iraklion
173B	60	Guatemala (Caribbean)						Harnosand	63A	29	Hercegnovi
153B	59	Guatemala (Pacific)						Hernosan	71D	32	Hereke
	59	Guatemala City						Harper	26D	24	Herfol
170D	60	Guayabal						Harriet Harbour	37C	25	Heringsdorf
156B	63	Guayacan						Harrington	191D	57	Hermitage Bay
		Guayama, see Las Mareas						Harrington Harbour	191D	57	Hermitage Cove
168C	61	Guayanilla						Harstad	19	Hermod	
154D	62	Guayaquil						Hartah Point	108C	44	Hernani
152D	59	Guaymas						Hartland Point	1D	17	Herne Bay
38C	25	Gudhjem						Hartlepool	31B	24	Hernosand (Harnosand)
	19	Gudrun						Harvaluo	19	Heron	
23B	24	Gudvangen						Harvey (Canada)	25C	24	Heroya
3A	18	Guernsey						Harvey (U.S.A.)	24A	24	Herroysund
152B	59	Guerrero Negro						Harwich	30C	24	Herrang
52C	30	Guetaria						Hashihama	25C	24	Herre
19B	20	Gufunes						Hasle	38A	25	Herrenwyk
114A	46	Guicheng						Hasselby	183B	57	Herring Cove
	19	Guillemot						Hasselt (Belgium)	193A	57	Herring Neck
51A	18	Guilvinec						Hasselt (Netherlands)	34A	26	Herttoniemi
108D	44	Guimaras Island						Hastings	16A	16	Hessle
80C	36	Guinea						Hastings (Westernport)	19A	20	Hesteyri
80A	36	Guinea-Bissau						Hatch Point	21D	24	Hestvika
163D	61	Guiria						Hattholmen	19	Hewett	
52B	30	Gujan-Mestras						Hau Giang River	135A	48	Hexham
40A	25	Guldborg						Haugesund	17C	17	Heybridge
175C	54	Gulf Gateway Terminal						Haugsholmen	7A	17	Heysham
63C	29	Gulf of Arta						Haugsvik	124B	45	Hibi
143A	21	Gulf of Mezen						Haukipudas	79A	34	Hierro
142D	14	Gulf of Ob						Haulbowline Island	124D	45	Higashi-Harima
57D	28	Gulf of Oristano						Havana (Habana)	124A	45	Higashino
163D	61	Gulf of Paria						Havannah Harbour	4D	17	Highbridge
133C	48	Gulf of St. Vincent						Haverfordwest	19	Highlander	
172B	60	Gulf of San Blas						Havre St. Pierre	36A	26	Hiiumaa Island
142D	14	Gulf of Yenisei						Hawaii (HI)	123C	45	Hikari
									127A	45	Hiketa

ALPHABETICAL INDEX

145

Col. No.	Page No.	
	19	Hild
23C	24	Hilleren
34C	26	Hillo
183B	57	Hillsborough
140B	13	Hilo
63C	29	Himare
124C	45	Himeji
122D	45	Himekawa
124C	45	Hinase
108D	44	Hinigaran
109A	44	Hinobaan
123C	45	Hirao
128D	47	Hirara
123D	45	Hiro
124C	45	Hirohata
126B	45	Hirono
123D	45	Hiroshima
123D	45	Hiroshima Bay
41D	25	Hirtshals
71C	29	Hisaronu (Filyos)
126A	45	Hitachi
126A	45	Hitachinaka
127C	45	Hitakatsu
21D	24	Hitra Island
18D	20	Hjalteyri
27B	25	Hjartholmen
24C	24	Hjelmeland
20A	21	Hjelmsøy
22B	24	Hjelset
28A	25	Hjo
22C	24	Hjorungavaag
112A	41	Ho Chi Minh City (Saigon)
134B	48	Hobart
48B	22	Hoboken
180D	58	Hoboken (NJ)
41C	25	Hobro
38B	65	Hochdonn
	19	Hod
90A	35	Hodeidah (Al Hudaydah)
18D	20	Hofdhakaupstadur (Skagastrond)
18B	20	Hofn
18D	20	Hofsos
180A	58	Hog Island
179C	58	Hog Point
28B	25	Hoganas
27D	24	Hoglund
30C	24	Hogmarso
43C	23	Hohe Weg Light
43A	23	Hohenhorn
25B	24	Hoiavaag
42B	25	Hojer
126C	45	Hojo
136C	49	Hokitika
121D	45	Hokkaido
39B	25	Holbaek
1B	17	Hole Haven
172B	60	Hole in the Wall
22A	24	Holla
188A	56	Holland
45B	22	Hollandsch Yssel, River
26D	24	Holm
18D	20	Holmavik
23A	24	Holmedal
42C	65	Holmer Siel
149D	52	Holmes Harbour
26A	24	Holmestrand
31D	24	Holmsund
		Holsteinsborg, see Sisimiut
38A	65	Holtenuu
38D	25	Holtug
15A	16	Holy Island
11A	16	Holy Loch
6A	17	Holyhead
192C	57	Holyrood
46B	22	Homberg
147A	50	Homer
21B	20	Hommelsto
21D	24	Hommelvik
111D	41	Hon Chong
112C	41	Hon Khoi
127B	45	Honai
94C	40	Honavar
107D	44	Hondagua
85C	34	Hondeklip Bay
173A	60	Honduras (Caribbean)
153C	60	Honduras (Pacific)
50A	18	Honfleur
115A	38	Hong Kong
113B	41	Hongay
77B	30	Honian
129D	49	Honiara
20A	21	Honningsvaag
140B	13	Honoipu
140B	13	Honokaa
140A	13	Honolulu

Col. No.	Page No.	
27D	24	Honsater
122B	45	Honshu
140B	13	Honuapo
	1C	Hoo
96C	40	Hooghly Point
96B	40	Hooghly, River
16A	16	Hook
45B	22	Hook of Holland
147D	52	Hoonah
71A	29	Hopa
170B	60	Hope Bay
193D	51	Hopedale
186A	57	Hopetown
179B	58	Hopewell
116A	47	Hoping
150B	52	Hoquiam
93A	37	Hormuz Island
93A	37	Hormuz Terminal
18A	20	Hornafjordur
31D	24	Horneborg
31D	24	Hornefors
55A	30	Hornillo
31C	24	Hornskaten
42B	23	Hornum
41A	25	Horsens
78A	34	Horta
26A	24	Horten
43C	23	Horumersiel
128B	45	Hososhima
17D	20	Hosvik
137B	49	Houailou
175D	54	Houma
14D	16	Hound Point
175B	54	Houston
175A	54	Houston Ship Channel
85D	34	Hout Bay
41B	25	Hov (Denmark)
26D	24	Hov (Norway)
168B	61	Hovensa (Hovic) Hovic, see Hovensa
16A	16	Howdendyke
180D	58	Howland Hook
8B	17	Howth
12D	16	Hoy
43C	23	Hoya
23A	24	Hoyanger
24A	24	Hoylandsbygdi
19B	20	Hrafneyri
18D	20	Hrisey
116A	47	Hsin Ta
155B	62	Huacho
117C	47	Huai River
117C	47	Huaian
117D	47	Huainan
116A	47	Hualien
155B	62	Huanchaco
119D	46	Huang He River
119C	46	Huangdao
120A	46	Huanghua
114C	46	Huangpu
117A	47	Huangpu River
118B	47	Huangshi
116C	47	Huangyan
155B	62	Huarmey
156B	63	Huasco
153A	59	Huatulco
31A	24	Hudiksvall
	19	Hudson
145B	51	Hudson Bay
180D	58	Hudson River
145B	51	Hudson Strait
112D	41	Hue
54B	30	Huelva
45C	22	Huissen
115B	47	Huizhou
115B	38	Huizhou Terminal
118A	47	Hukou
90D	37	Hulaylah Terminal
	19	Huldra
16A	16	Hull (Kingston upon Hull)
120B	46	Huludao
168B	61	Humacao
48B	22	Humbek
15D	16	Humber, River
191C	57	Humbermouth
189D	56	Humberstone
22B	24	Humblen
105B	43	Humboldt Bay (Indonesia)
151A	50	Humboldt Bay (U.S.A.)
114D	46	Humen
39B	25	Hundested
	29	Hungary
116B	47	Hunghwa
121C	46	Hungnam
27A	24	Hunnebostrand
43C	23	Hunte, River
10C	16	Hunterston

Col. No.	Page No.	
152A	53	Huntington Beach Terminal
181A	58	Hunts Point
134B	48	Huon River
88D	33	Hurghada
187C	56	Huron
26B	24	Hurumlandet
18C	20	Husavik
24A	24	Husnes
26A	24	Husoy
22A	24	Hustad
42C	65	Husum (Germany)
31D	24	Husum (Sweden)
	19	Hutton
17C	20	Hvalba
19B	20	Hvaleyrri
19B	20	Hvalfjordur
17D	20	Hvalvik
18D	20	Hvammstangi
62D	29	Hvar
62D	29	Hvar Island
24D	24	Hvidingso
130D	48	Hyane Harbour
148A	52	Hydaburg
181A	58	Hyde Park
64C	32	Hydra (Idhra) Island
56D	31	Hyeres Island
56D	31	Hyeres-Plage
21C	24	Hylla
2D	17	Hythe (Hampshire)
2A	17	Hythe (Kent)
I		
175C	54	Iberia
159D	64	Ibicuy
159D	64	Ibicuy, River
55B	28	Ibiza
55B	28	Ibiza Island
86B	35	Ibo
72B	32	Icdas
18A	20	Iceland
124D	45	Ichinomiya
162A	62	Icoraci
26D	24	Iddefjord
		Idhra Island, see Hydra Island
75B	33	Idku
30C	24	Idsatravik
65B	32	Ierapetra
		Ierseke, see Yerseke
142D	14	Igarka
30A	24	Igelstaviken
31A	24	Iggesund
63C	29	Igoumenitsa
71D	32	Igsas
		Ijmuiden, see Ymuiden
		Ijsselmeer, see Ysselmeer
		Ijsselmonde, see Ysselmonde
127B	45	Ikata
144B	14	Ikerassuaq (Prins Christians Sound)
144A	14	Ikkatseq
22C	24	Ikorannes
124A	45	Ikuchishima
84C	36	Ikungulu
51C	30	Ile Chevre
51B	18	Ile de Groix
51C	30	Ile de Noirmoutier
51D	30	Ile de Re
51D	30	Ile d'Oleron
		Ile d'Ouessant, see Ushant Island
51C	30	Ile d'Yeu
50D	18	Ile Molene
57B	31	Ile Rousse
186C	57	Ile Verte
51A	18	Iles de Glenan
162D	62	Iles du Salut
4C	17	Ilfracombe
160D	64	Ilha Grande Bay
160D	64	Ilhabela
161B	62	Ilheus
68C	29	Ilichevsk
109D	44	Iligan
146B	14	Iliuliuk Harbour
188B	56	Illinois (IL)
155D	62	Ilo
108D	44	Iloilo
86D	35	Ilot Indien
144D	14	Ilulissat (Jakobshavn)
82C	36	Ima Terminal
126D	45	Imabari
92D	37	Imam Hasan

Col. No.	Page No.	
127D	45	Imari
34D	26	Imatra
160C	64	Imbituba
16C	16	Immingham
57D	31	Imperia
108D	44	Inapulugan Island
6C	17	Ince
120D	46	Incheon (Inchon)
14C	16	Inchkeith
	19	Inde
93B	40	India
193A	57	Indian Bay
193D	51	Indian Harbour
188B	56	Indiana (IN)
188B	56	Indiana Harbour
142C	14	Indigirka River
100C	42	Indonesia
103C	42	Indramayu
71B	29	Inebolu
158C	63	Ingeniero White
174D	54	Ingleside
184D	57	Ingonish
191B	57	Ingnarchoix Bay
184A	57	Ingramport
86A	35	Inhambane
163D	62	Inirida, River
9C	17	Inishmore Island
10A	17	Inishtrahull Island
34A	26	Inkoo
34C	26	Inland Lakes
20D	21	Innhavet
135C	48	Innisfail
124A	45	Innoshima
106C	43	Inobonto
134A	48	Inspection Head
4C	17	Instow
103C	42	Intan Terminal
175C	54	Intracoastal Waterway
11B	16	Inveraray
136D	49	Invercargill
13D	16	Invergordon
14D	16	Inverkeithing
10D	16	Inverkip
13D	16	Inverness
13D	16	Inverness Firth
149C	52	loco
143C	21	Iokanka
143C	21	Iokanka (Iokanski) Bay
143C	21	Iokanka River
		Iokanski Bay, see Iokanka Bay
184C	57	Iona
17A	17	Ipswich
145C	51	Iqaluit (Frobisher)
155D	62	Iquique
162D	62	Iquitos
		Irakleous Harbour, see St. George Harbour
65B	32	Iraklion (Heraklion)
70A	27	Iran (Caspian Sea)
92C	37	Iran (Persian Gulf)
92B	37	Iraq
179A	55	Ireland Island
105A	43	Irian Jaya
6D	17	Irlam
190B	57	Iroquois Lock
10C	16	Irvine
6D	17	Irwell
184B	57	Isaac's Harbour
108C	44	Isabel
110C	44	Isabela
171B	60	Isabela de Sagua
67D	29	Isaccea
19A	20	Isafjordur
58D	31	Ischia Island
154C	62	Iscuande
73D	33	Isdemir
128D	47	Ishigaki
128D	47	Ishigaki Island
122A	45	Ishikariwan Shinko
128D	47	Ishikawa
126B	45	Ishinomaki
50A	18	Isigny
76C	28	Isis Terminal
74A	33	Iskenderun
54B	30	Isla Cristina
170D	60	Isla de la Juventud (Isla de Pinos)
		Isla de Pascua, see Easter Island
		Isla de Pinos, see Isla de la Juventud
173A	60	Isla de Providencia
153D	60	Isla Herradura
173A	60	Isla San Andres
	38	Islamabad
11B	16	Islay Island

Col. No.	Page No.		Col. No.	Page No.		Col. No.	Page No.		Col. No.	Page No.	
191D	57	Isle aux Morts	111A	41	Jasmine Venture Terminal	140A	13	Kaanapali	144C	14	Kangerluarsorseq (Faeringehavn)
11B	17	Isle of Arran	55B	28	Javea	24C	24	Kaarsto	144C	14	Kangerlussuaq
11A	16	Isle of Bute	103B	42	Jawa	28C	25	Kaaseberga	144B	14	Kangilinniguit (Gronnedal)
1B	17	Isle of Grain	104B	42	Jawa Head	110A	44	Kabasalan	143A	21	Kanin Peninsula
7B	17	Isle of Man	94B	40	Jawaharlal Nehru (Nhava Sheva)	66D	32	Kabatepe	95D	40	Kankesanturai
14C	16	Isle of May	105B	43	Jayapura	92B	37	Kabda	127A	45	Kannoura
12A	16	Isle of Skye	74D	33	Jbeil	20C	21	Kabelvaag	123D	45	Kanokawa
10B	17	Isle of Whithorn	175C	54	Jeanerette	102D	42	Kabil	97C	41	Kantang
2C	17	Isle of Wight	91A	37	Jebel Ali	95A	40	Kadmat Island			Kanton Island, see Canton Island
4B	17	Isles of Scilly	91B	37	Jebel Dhanna (Jabal az Zannah) Terminal	32A	26	Kaergarde	34A	26	Kantvik
75B	67	Ismailia	89D	35	Jeddah	32A	26	Kagefjarden			Kanur, see Cannanore
34B	26	Isnas	184B	57	Jeddore	30B	24	Kagghamma	116A	47	Kaohsiung
74D	33	Israel (Mediterranean)	148C	52	Jedway	128B	45	Kagoshima	79D	36	Kaolack
89B	33	Israel (Red Sea)	177A	54	Jeffersonville (IN)	101B	42	Kahayan, River			Kap Tobin, see Uunarteq
67A	32	Istanbul	121A	46	Jeju (Cheju)	140A	13	Kahului	48B	22	Kapelle op den Bos
64A	29	Isthmia	121A	46	Jeju (Cheju) Island	180B	58	Kaighns Point Anchorage	30C	24	Kapellskar
162C	62	Itacoatiara	24C	24	Jelsa	140B	13	Kailua Kona	38B	25	Kappeln
162C	62	Itaituba	103D	42	Jepara	105A	43	Kaimana	29C	25	Kappelshamn
160C	64	Itajai	169C	61	Jeremie	125A	45	Kainan	142C	14	Kara Sea
57B	31	Italy	3A	18	Jersey	135D	49	Kaipara	72B	32	Karabiga
162A	62	Itaqui	180D	58	Jersey City (NJ)	163B	62	Kaituma, River	93B	40	Karachi
2D	17	Itchen, River	191D	57	Jerseyman Harbour	104D	43	Kaiwatu	73C	32	Karagace
64A	29	Itea	29	Jerusalem	106B	43	Kajang	97B	41	Karathuri	
63D	29	Ithaka Island	134D	48	Jervis Bay	128B	45	Kajiki	127D	45	Karatsu
124A	45	Itozaki	119A	47	Jialing River	99A	41	Kakap Terminal	74A	33	Karavostassi (Cyprus)
144A	14	Ittoqqortoormiit (Scoresby Sound)	141D	39	Jiamusi	147D	52	Kake	65B	32	Karavostassi (Greece)
142A	39	Iturup Island	114A	46	Jiangmen	96B	40	Kakinada	137B	49	Karembe
42C	65	Itzehoe	117D	47	Jiangpu	124D	45	Kakogawa	73C	32	Kargi
144B	14	Ivittuut	117C	47	Jiangyin	69B	27	Kalach-na-Donu	95D	40	Karikal
81A	36	Ivory Coast	116C	47	Jiaojiang	96D	40	Kaladan, River	66A	32	Karistos
124A	45	Iwagi	119C	46	Jiaozhou Bay	32D	26	Kalajoki	30C	24	Karlholm
124A	45	Iwagishima	117A	47	Jiaxing	150C	52	Kalama	62B	31	Karlobag
123D	45	Iwakuni	74D	33	Jieh	64D	32	Kalamaki	73A	32	Karlovasi
122A	45	Iwanai			Jijel, see Djen Djen	64C	32	Kalamaki Bay	32B	26	Karlsborg
128D	47	Iwojima	110A	44	Jimenez	64B	29	Kalamata	28D	25	Karlshall
153A	59	Ixtapa	117C	47	Jingjiang	90C	37	Kalba	28D	25	Karlshamn
67D	29	Izmail (Ismail)			Jingtang, see Tangshan	104A	42	Kalbut	28D	25	Karlskrona
72D	32	Izmir	119A	47	Jingzhou	74B	33	Kalecik	20A	21	Karlsoy
72A	32	Izmit	121B	46	Jinhae (Chinhae)	72B	32	Kalekoy	46D	20	Karlsruhe
61D	31	Izola	115D	47	Jinmen (Quemoy) Island	65C	32	Kali Limenes	27D	24	Karlstad
52A	30	Izon	117A	47	Jinshan	103D	42	Kalianget	24B	24	Karmoy
127D	45	Izuhara	118D	47	Jinshi	100C	42	Kalimantan	106C	43	Karosa
125A	45	Izumisanano	120B	46	Jinxi	96B	40	Kalingapatnam (Calingapatnam)	73B	32	Karpathos
125D	45	Izu-Oshima	120B	46	Jinzhou	36D	26	Kaliningrad	73B	32	Karpathos Island
			118B	47	Jiujiang	32B	26	Kalix	39C	25	Karrebaeksmindel
			119B	47	Jiulongpo	48A	22	Kallo (Belgium)	30D	24	Karskar
			114B	46	Jiuzhou	33B	26	Kallo (Finland)	71D	32	Kartal
					Joanne	30D	24	Kallskar	131D	48	Karumba
			168C	61	Jobos	29C	25	Kallvik	92C	37	Karun, River
			34D	26	Joensuu	32A	26	Kallviken	94C	40	Karwar
			183B	57	Joggins	29A	25	Kalmar	73C	32	Kas
			31A	24	Johannedal	30A	24	Kalmarsand	90B	35	Kas Hilf
			14B	16	Johnshaven	95A	40	Kalpeni Island	148A	52	Kasaan
			19	Johnston	139D	12	Johnston Atoll	123C	45	Kasado	
			98B	42	Johore Bahru	98B	42	Johore Bahru	124B	45	Kasaoka
			110C	44	Jolo	110C	44	Jolo	94D	40	Kasaragod
			110C	44	Jolo Island	181A	58	Jones Point	142A	39	Kasatka Bay
			28A	25	Jonkoping	28A	25	Jonkoping	126A	45	Kashima
			28B	25	Jonstorp	28B	25	Jonstorp	122D	45	Kashiwazaki
			89B	33	Jordan	25B	24	Kalvild	105A	43	Kasim
			77D	34	Jorf Lasfar	73A	32	Kalymnos	33A	26	Kaskinen (Kasko)
			24C	24	Jorpeland	73A	32	Kalymnos Island	35C	26	Kasmu
			160A	64	Jose Ignacio Terminal	66C	32	Kalyvia	80C	36	Kassa Island
			107C	44	Jose Panganiban	69C	27	Kama, River	62C	29	Kastel Sucurac
			24D	24	Jossingfjord	126C	45	Kamaishi			Kastellorizon Island, see Megisti Island
			74D	33	Jounieh	89D	35	Kamaran	66D	32	Kastro (Lemnos Island)
			34C	26	Joutseno	89D	35	Kamaram Island	65B	32	Kastro (Milos Island)
			20B	21	Jovik	66D	32	Kamariotissa Bay	39A	25	Kastrup
			86D	35	Juan de Nova Island	26C	24	Kambo	124C	45	Katagami
			91D	37	Juaymah Terminal	106C	43	Kambunong	64B	29	Katakolon
			91D	37	Jubail	141D	14	Kamchatka Peninsula	141A	14	Katangli
			70C	29	Jubska	143A	21	Kamenka	65D	32	Katapola Bay
			170D	60	Jucaro	11A	16	Kames Bay			Kathmandu
			185A	57	Judique	37B	25	Kamien Pomorski	41B	25	Katholm
			19	Judy	127D	45	Kaminoshima	125A	45	Katsuura	
			41A	25	Juelsminde	125C	45	Kamo	145D	50	Kattovik
			43D	22	Juist	35	Kampala	45A	22	Katwijk aan Zee	
					Julianehaab, see Qaortoq	44C	22	Kampen	139D	13	Kauai Island
			147C	52	Juneau	111C	41	Kampot	34C	26	Kaukas
			155D	62	Junin			Kampuchea, see Cambodia	34D	26	Kaukopaa
			80D	36	Junk River	103D	42	Kampung Bantjar	140A	13	Kaumalapau Harbour
			178A	55	Jupiter	80C	36	Kamsar	140A	13	Kaunakakai
			11C	16	Jura Island	69C	27	Kamyshin	33B	26	Kaunisaari
			98B	42	Jurong Port	65B	32	Kanaba	23A	24	Kaupanger
			40D	25	Jutland	97C	40	Kanalla	80A	36	Kau-ur
						123A	45	Kanazawa	66C	32	Kavala
						127B	45	Kanda	95A	40	Kavaratti Island
						143B	21	Kandalaksha	67B	29	Kavarna
						71C	32	Kandilli	93A	37	Kaveh
						93C	40	Kandla	130D	48	Kavieng
						144C	14	Kangaamiut	70C	29	Kavkaz
						133C	48	Kangaroo Island	140B	13	Kawaihae
						104A	42	Kangean Islands	127B	45	Kawanoishi
									125D	45	Kawasaki

K

19 K 7
20B 21 Kaafjord

ALPHABETICAL INDEX 147

Col. No.	Page No.		Col. No.	Page No.		Col. No.	Page No.		Col. No.	Page No.	
122B	45	Kawauchi	130B	49	Kieta	12B	16	Kishorn	143D	14	Kongsfjord
95D	40	Kayts		27	Kiev	146C	14	Kiska Harbour	18A	20	Kongshavn
69D	27	Kazakhstan		35	Kigali	146C	14	Kiska Island	21B	20	Kongsmoen
128D	47	Kazan Islands	36A	26	Kihelkonna	88A	35	Kismayu (Kismaayo)	128C	45	Koniya
72A	32	Kazuklu Iskelessi	128A	45	Kiire	65C	32	Kissamos	131A	48	Konstantin Harbour
66A	32	Kea Island	102D	42	Kijang	80D	36	Kissy	69B	27	Konstantinovsk
16B	16	Keadby	102D	42	Kijang Strait	19D	21	Kistrand	44D	22	Koog aan den Zaan
180C	58	Kearney	141D	14	Kikchik	87C	35	Kiswera	18C	20	Kopasker
97D	41	Kedah River	131C	48	Kikori	141B	14	Kitakaozawa	19B	20	Kopavogur
		Keeling Islands, see	126C	45	Kikuma			Kitami-Esashi, see Esashi	61C	31	Koper (Capodistria)
		Cocos Islands	95B	40	Kilakkaria	64C	32	Kithira	24B	24	Kopervik
116A	47	Keelung (Chilung)	12A	16	Kilchoan	64C	32	Kithira Island	30A	24	Koping
		Kefallinia Island, see	11C	16	Kilchoman	65A	32	Kithnos Island			Kopli, see Paljassaare
		Cephalonia Island	11A	16	Kilcreggan	148C	52	Kitimat	31C	24	Kopmanholmen
19C	20	Keflavik	11B	16	Kildonan Point	13C	19	Kittiwake	27C	24	Kopmannebro
47A	20	Kehl	87D	35	Kilifi	131C	48	Kiunga	28B	25	Kopparverkshamn
34B	26	Keihassalmi	71C	29	Kilimli	28C	25	Kivik	93B	40	Korangi
95A	35	Kelaa	67C	29	Kiliya	109D	44	Kiwalan	63A	29	Korcula
99A	41	Kelantan River	8A	17	Kilkeel	67B	32	Kiyikoy (Midye)	62D	29	Korcula Island
130D	48	Kelaua Harbour	9C	17	Killadysert	73B	32	Kizilyer	120C	46	Korea, North
64C	32	Kelendhi Point	9D	17	Killala	84D	36	Kizomba A Terminal	120D	46	Korea, South
34C	26	Kellosalmi	9D	17	Killala Bay	84D	36	Kizomba B Terminal	142B	14	Korf
150C	52	Kelso	189B	56	Killarney	19D	21	Kjollefjord	142B	14	Korfa Bay
143B	21	Kem	9C	17	Killary Bay	20D	21	Kjopsvik			Korinthos, see Corinth
175A	54	Kemah	9D	17	Killybegs	68A	29	Kladovo	68B	28	Korneuburg
98D	41	Kemaman	7D	17	Killyleagh	28C	25	Klagshamn	62A	31	Koromacno
32C	26	Kemi	8D	17	Kilmacsimon	36C	26	Klaipeda	129A	12	Koror
33C	26	Kemio Island	8C	17	Kilmore	18A	20	Klaksvik	141A	39	Korsakov
104C	42	Kempo			Kilpilahti, see Skoldvik	34C	26	Klamila	19B	20	Korsnes (Iceland)
147A	50	Kenai	9C	17	Kilronan	148A	52	Klawock	20D	21	Korsnes (Norway)
106B	43	Kendari	7D	17	Kilroot	133C	48	Klein Point	39C	25	Korsor
101B	42	Kendawangan	9C	17	Kilrush	46A	22	Kleve	73B	32	Kos
83D	36	Kendje	25B	24	Kilsund	25A	24	Kleven	73B	32	Kos Island
130A	49	Kenelo	95A	40	Kiltan Island	29B	25	Klintehamn	121A	46	Kosong
77D	30	Kenitra	87C	35	Kilwa Kisiwani	38D	25	Klintholm	129B	12	Kosrae Island
9A	17	Kenmare	87C	35	Kilwa Kivinje	41D	25	Klitmoller	88C	33	Kosseir (El Quseir)
100B	42	Kennedy Bay	87C	35	Kilwa Masoko	33A	26	Klobbskar	69D	27	Kostroma
188B	56	Kenosha	130C	48	Kimbe	150B	52	Knappton	101C	42	Kota Agung
87D	35	Kenya	130C	48	Kimbe Bay	23C	24	Knarrevik	99A	41	Kota Baharu
72B	32	Kepez			Kimchaek, see Songjin	41B	25	Knebel	101A	42	Kota Baru
65A	32	Keratsini Bay	66A	32	Kimi	85D	34	Knysna	100A	42	Kota Kinabalu
95C	40	Kerawalapitiya Terminal			Kimitsu, see Kisarazu	111B	41	Ko Sichang	34B	26	Kotka
69A	29	Kerch (Kertch)	65B	32	Kimolos	20A	21	Kobbevag	35A	26	Kotlin Island
143B	21	Keret	65A	32	Kimolos Island	124D	45	Kobe	63B	29	Kotor
157C	11	Kerguelen Island	128D	47	Kin Bay			Kobenhavn, see	19		Kotter
76C	28	Kerkennah Islands	45C	22	Kinderdijk			Copenhagen	137B	49	Kouaoua
		Kerkira Island, see Corfu	69D	27	Kineshma	33A	26	Koberget	162D	62	Kourou
		Island			King Abdul Aziz Port, see	46C	20	Koblentz	162D	62	Kourou, River
		Kerkira, see Corfu			Dammam	127A	45	Kochi	65A	32	Koutala
137A	49	Kermadec Islands	146D	50	King Cove	94D	40	Kochi (Cochin)	143B	21	Kovda
51A	18	Keroman	157D	15	King Edward Cove	146D	50	Kodiak	33D	26	Koverhar
		Kertch, see Kerch	91D	37	King Fahd Port (Persian	146D	50	Kodiak Island	115A	38	Kowloon
98D	41	Kerteh Terminal			Gulf)	39A	25	Koge	94D	40	Kozhikode (Calicut)
40B	25	Kerteminde	89C	35	King Fahd Port (Red Sea)	31C	24	Koja	37C	29	Kozle
126B	45	Kesennuma	134A	48	King Island			Koje Island, see Goeje	67D	29	Kozloduy
81C	36	Keta	4D	17	King Road			Island	71C	29	Kozlu
101B	42	Ketapang			Kingfisher	33D	26	Kokkila	81C	36	Kpeme
		Ketch	14C	16	Kinghorn	95C	40	Kokkilai	97C	41	Krabi
184B	57	Ketch Harbour			Kingissepp, see Kuresaare	32D	26	Kokkola	25C	24	Kragero
148B	52	Ketchikan	139D	13	Kingman Reef	81D	36	Koko	32A	26	Krakanger
1B	17	Kethole Anchorage	178B	55	Kings Bay	130C	48	Kokopo	166A	61	Kralendijk
188C	56	Kewaunee	16D	17	King's Lynn	129D	49	Kokum Beach	45B	22	Kralingscheveer
177D	55	Key West	3C	17	Kings Lynn	129D	49	Kokumbona Beach	62A	31	Kraljevica
141C	39	Khabarovsk	133C	48	Kingscote	127B	45	Kokura	31B	24	Kramfors
		Khalkis, see Chalkis	1C	17	Kingsnorth	143C	21	Kola	25C	24	Krana
94A	40	Khambat	183C	57	Kingsport	143C	21	Kola Inlet	37B	25	Krasnica
		Khania, see Canea	133D	48	Kingston (Australia)	106B	43	Kolaka	140D	39	Krasnogorsk
111A	41	Khanom	190B	56	Kingston (Canada)	109D	44	Kolambagan			Krasnovodsk, see
92D	37	Kharg Island	169D	60	Kingston (Jamaica)	40C	25	Kolby Kaas			Turkmenbashi
		Khartoum	180D	58	Kingston (U.S.A.)	41A	25	Kolding	69C	27	Krasnyye Barrikady
90C	37	Khasab			Kingston upon Hull, see	82D	36	Kole Terminal	168A	61	Krause Lagoon
140B	39	Khasan			Hull	143A	14	Kolguyev Island	42D	65	Krautsand
142C	14	Khatanga	166C	61	Kingstown	129D	49	Koli Point	46B	22	Krefeld
142C	14	Khatanga Bay	189D	56	Kingsville	142C	14	Koliuchin Bay	68D	29	Kremenchug
64C	32	Kheli	12B	16	Kinlochbervie	36C	26	Kolka	83A	36	Kribi
68D	29	Kherson	11D	16	Kinlochleven	96C	40	Kolkata (Calcutta)	41D	25	Krik
		Khios Island, see Chios	14A	16	Kinnairds Head	17D	20	Kollafjordur	65C	32	Krikelo
		Island	124A	45	Kinoe	95A	40	Kollam (Quilon)	45C	22	Krimpen aan den Lek
		Khios, see Chios	124A	45	Kinoura	42D	23	Kollmar	45B	22	Krimpen aan den Yssel
141B	14	Khoe	8D	17	Kinsale	23B	24	Kollsnes	64A	29	Krioneri
140D	39	Kholmsk			Kinshasa			Koln, see Cologne	96A	40	Krishnapatnam
76A	28	Khoms	125B	45	Kinuura	140A	13	Kolo Harbour	25A	24	Kristiansand
92B	37	Khor al Amaya Terminal	10A	17	Kippford	37B	25	Kolobrzeg	22A	24	Kristiansund
92A	37	Khor al Ami	139B	49	Kiribati	130A	49	Kolombangara Island	33A	26	Kristiinankaupunki
92A	37	Khor al Mufatta	139C	13	Kiritimati (Christmas	21B	20	Kolvereid			(Kristinestad)
92B	37	Khor al Zubair			Island)	142C	14	Kolyma River	27D	24	Kristinehamn
90C	37	Khor Fakkan	131B	48	Kiriwina Island	20A	21	Komagfjord			Kristinestad, see
92C	37	Khor Musa	14C	16	Kirkcaldy	68B	29	Komarno			Kristiinankaupunki
68D	29	Khorly	10B	17	Kirkcudbright	127A	45	Komatsushima			Kriti Island, see Crete
92C	37	Khorramshahr	19D	21	Kirkenes	83A	36	Kome-Kribi			Island
74A	33	Khrysokhu Bay	144B	14	Kirkespirdalen	128A	45	Komenotsu	62B	31	Krk (Veglia)
96D	40	Khulna	13A	16	Kirkwall	62D	29	Komiza	62B	31	Krk (Veglia) Island
64A	29	Kiato	35B	26	Kirovsk			Kompong Som, see	19A	20	Kroksfjardarnes
38A	65	Kiel	126A	45	Kisarazu (Kimitsu)			Sihanoukville	27C	24	Krokstad
38A	65	Kiel Canal (Nord-Ostsee			Kishinev	141C	14	Komsomolsk	26D	24	Krokstrand
		Kanal)	125A	45	Kishiwada	35B	9	Kondopoga	35A	26	Kronshardt
			74D	33	Kishon	41C	25	Kongsdal	37C	25	Kroslin

Col. No.	Page No.		Col. No.	Page No.		Col. No.	Page No.		Col. No.	Page No.	
18D	20	Krossanes	22A	24	Kyrksaetrora	100B	42	Lahad Datu	26C	24	Larkollen
101C	42	Kru	127B	45	Kyushu	140A	13	Lahaina	74B	33	Larnaca
42D	23	Kruckau, River				46C	20	Lahnstein	7D	17	Larne
102A	42	Krueng Geukeuh				119D	46	Laizhou	22C	24	Larsnes
102A	42	Kruengraya (Malahayati)				119D	46	Laizhou Bay	25D	24	Larvik
48B	22	Kruibeke				78A	34	Lajes	52C	30	Las Arenas
141D	14	Krutogorova River				34C	26	Lakasaari	169B	61	Las Calderas
99C	43	Kuala Belait				56C	31	Lake Berre	173D	60	Las Coloradas
102A	42	Kuala Beukah Terminal				175C	54	Lake Charles	168C	61	Las Mareas (Guayama)
102D	42	Kuala Enok				189D	56	Lake Erie (Canada)	172B	60	Las Minas Bay
101B	42	Kuala Kapuas				187B	56	Lake Erie (U.S.A.)	164D	61	Las Morochas
41	41	Kuala Lumpur				189B	56	Lake Huron (Canada)	78D	34	Las Palmas (Puerto de la Luz)
102C	42	Kuala Mandau				187D	56	Lake Huron (U.S.A.)	172D	60	Las Perlas
98D	41	Kuala Pahang				148D	52	Lake Kennedy	164C	61	Las Piedras
97D	41	Kuala Perlis				35B	26	Lake Ladoga	156C	63	Las Salinas
98C	41	Kuala Rompin				188D	56	Lake Linden	114B	46	Lasawei
98A	41	Kuala Selangor				30A	24	Lake Malaren	103D	42	Lasem
102B	42	Kuala Tanjung				164D	61	Lake Maracaibo	63A	29	Lastovo
99A	41	Kuala Terengganu				188A	56	Lake Michigan	63A	29	Lastovo Island
102B	42	Kualalangsang				35B	9	Lake Onega			Latakia, see Lattakia
100D	42	Kualasamboja				190A	56	Lake Ontario (Canada)	6D	17	Latchford
102D	42	Kualatungkal				187A	56	Lake Ontario (U.S.A.)	74A	33	Latchi
106C	43	Kuandang				189C	56	Lake St. Clair	74C	33	Lattakia (Latakia)
98D	41	Kuantan				188D	56	Lake Superior	36B	26	Latvia
92A	37	Kubbar Island				75B	67	Lake Timsah	43A	23	Lauenburg
31A	24	Kubikenborg				27C	24	Lake Vanern	134A	48	Launceston
99A	42	Kuching				28A	24	Lake Vattern	157D	15	Laurie Island
128A	45	Kuchinotsu				178A	55	Lake Worth	66A	32	Laurium (Lavrion)
123C	45	Kudamatsu				96D	40	Lakhya River	37C	25	Lauterbach
100A	42	Kudat				110D	41	Lakon	138A	49	Lautoka
84C	36	Kuito Terminal				23C	24	Laksevaag	21C	20	Lauvsnes
36A	26	Kuivastu				95A	40	Lakshadweep (Laccadive Islands)	44A	22	Lauwersmeer
126C	45	Kuji				34C	26	Lakulahti	186D	57	Lauzon
		Kullorsuaq, see Kulusuk				103A	42	Lalang River	58A	31	Lavagna
96C	40	Kulpi				102C	42	Lalang Terminal	92D	37	Lavan Island
146C	14	Kuluk Bay				108A	44	Lallo	56C	31	Lavera
144A	14	Kulusuk (Kullorsuaq)				192A	57	Lamaline			Lavrion, see Laurium
94C	40	Kumta				107A	44	Lamao	99D	43	Lawas
131C	48	Kumul Terminal				13A	16	Lamb Head	101A	42	Lawe-Lawe Terminal
100B	42	Kunak						Lambasa, see Labasa	9A	17	Lawrence Cove
142A	39	Kunashir Island				132A	48	Laminaria-Corallina Terminal	141C	14	Lazarev
35C	26	Kunda				107C	44	Lamit Bay	153A	59	Lazaro Cardenas
27B	25	Kungav				110C	44	Lamitan	50D	18	Le Conquet
28A	25	Kungsbacka				62C	31	Lamjana	51B	30	Le Croisic
27A	24	Kungshamn				11B	16	Lamlash	49B	18	Le Crotoy
30A	24	Kungsor				115A	38	Lamma Island	49D	18	Le Grand Quevilly
127D	45	Kunisaki				107D	44	Lamon Bay	50B	18	Le Guildo
		Kunsan, see Gunsan				60A	28	Lampedusa	49C	18	Le Havre
117B	47	Kunshan				60A	28	Lampedusa Island	49B	18	Le Hourdel
80A	36	Kuntaur				101C	42	Lampung Bay	56D	31	Le Lavandou
34D	26	Kuopio				87D	35	Lamu	50C	18	Le Legue
104D	43	Kupang						Lan Shui Terminal, see Lihua Terminal	51B	18	Le Palais
147D	52	Kupreanof Island				140A	13	Lanai Island	51A	18	Le Pouldu
123D	45	Kure				48A	22	Lanaken	51B	30	Le Pouliguen
36A	26	Kuressaare (Kingissepp)				7A	17	Lancaster	49D	18	Le Trait
125D	45	Kurihama						Lancelot	49B	18	Le Treport
142A	39	Kurile Islands				19		Landana, see Cacongo	52B	30	Le Verdon
134D	48	Kurnell				50D	18	Landerneau	50B	18	Le Vivier sur Mer
123A	45	Kuroshima				4B	17	Land's End	189D	56	Leamington
71B	29	Kurucasile				28B	25	Landskrona	26B	24	Leangen
72D	32	Kusadasi				25D	24	Langangen	132C	48	Learmonth
122B	45	Kushiro				40A	25	Langeland	110B	44	Lebak
140D	39	Kushunnai				131A	48	Langemak Bay	74C	33	Lebanon
96D	40	Kutubdia Island				43D	22	Langeoog	156D	63	Lebu
144A	14	Kuummiut				48D	22	Langerbrugge	9C	17	Leenaun
35A	26	Kuuslahti				25C	24	Langesund	43D	22	Leer
92A	37	Kuwait				25C	24	Langesundsfjord	43C	23	Leeseringen
92A	37	Kuwait (Al Kuwait)				33C	26	Langnasudd	44B	22	Leeuwarden
		Kuybyshev, see Samara				26A	24	Langoya	107C	44	Legazpi
72B	32	Kuzu				102A	42	Langsa Terminal	132B	48	Legendre Terminal
21A	21	Kvalvaag				21D	24	Langstein	58B	31	Leghorn (Livorno)
20B	21	Kvesmenes				2B	17	Langstone Harbour	36A	26	Lehtma
24D	24	Kvinesdal				50C	18	Lannion	45A	22	Leiden
22A	24	Kvisvik				190C	57	Lanoraie	45A	22	Leiderdorp
		Kwa Ibo Terminal, see Qua Iboe Terminal				118B	47	Lanshan	1B	17	Leigh
48A	22	Kwaadmechelen				119C	46	Lanxi	19D	21	Leirpollen
115A	38	Kwai Chung				118B	47	Lanzarote	24D	24	Leirvik (Listafjord)
129B	12	Kwajalein				78C	34	Laoang	23D	24	Leirvik (Stordoy)
129B	12	Kwajalein Atoll				108A	44	Laos	15A	16	Leith
113D	41	Kwangchow Bay				108C	44	Laoang	157D	15	Leith Harbour
		Kwangyang, see Gwangyang				41		Lapaluoto	53C	28	Leixoes
133A	48	Kwinana				32D	26	Lapominka Island	45C	22	Lek, River
112D	41	Ky Ha				143A	21	Lappeenranta	45C	22	Lekkerkerk
97A	41	Kyaukpyu				33D	26	Lappohja	32D	26	Lekmosund
12A	16	Kyle of Lochalsh				77D	30	Larache (El Aaraich)	114A	46	Leliu
12A	16	Kyleakin				104C	43	Larantuka	44C	22	Lelystad
29B	25	Kylle				107C	44	Larap Bay	19		Leman
64B	29	Kyllini				177D	55	Largo	104C	42	Lembar (Ampenan)
66A	32	Kyllmassi				14C	16	Largo Bay	44B	22	Lemmer
39B	25	Kyndby				10C	16	Largs	66D	32	Lemnos Island
120C	46	Kyomipo				66B	32	Larimna	42B	25	Lemvig
64B	29	Kyparissia				162D	62	Larivot	43C	23	Lemwerder
74A	33	Kyrenia				191C	57	Lark Harbour	142C	14	Lena, River
		Kyrgyzstan							137C	49	Lenakel
27C	24	Kyrkebyn							146D	50	Lenard Harbour

ALPHABETICAL INDEX

149

Col. No.	Page No.		Col. No.	Page No.		Col. No.	Page No.		Col. No.	Page No.	
		Leningrad, see St. Petersburg	129D	49	Lingatu Cove	107A	44	Lokanin Point	61D	31	Luka Mirna (Port Quito)
	15	Leningradskaya	108A	44	Lingayen	82A	36	Lokoja	32B	26	Lulea
70B	27	Lenkoran	99B	42	Lingga	35C	26	Loksa	86B	35	Lumbo
	19	Lennox	116C	47	Linhai	39D	25	Lolland	67C	29	Luminitza
169C	61	Leogane	150C	52	Linnnton	155D	62	Lomas	99C	43	Lumut (Brunei)
32D	26	Leppaluoto	65C	32	Linoperamata	84D	36	Lombo Terminal	98A	41	Lumut (Malaysia)
52C	30	Lequeitio	60A	28	Linosa Island	104C	42	Lombok Island	109D	44	Lunao
174A	59	Lerma	68B	28	Linz	130D	48	Lombrum	99A	42	Lundu
73A	32	Leros Island	59B	28	Lipari	81C	36	Lome	4C	17	Lundy Island
13B	16	Lerwick	59B	28	Lipari Island	28C	25	Lomma	7A	17	Lune, River
190D	57	Les Escoumins	109C	44	Lipata	191C	57	Lomond	184A	57	Lunenborg
77A	28	Les Falaises	63B	29	Lipci	35B	26	Lomond Cove	129D	49	Lungga
186B	57	Les Mechins	133B	48	Lipson Cove	1A	17	Lomonosov	117B	47	Luoqing
3B	18	Les Minquiers	156C	63	Lirquen	7C	17	London	168D	61	Luperon
141B	14	Lesogorsk	7C	17	Lisahally	152A	53	Londonderry	35	35	Lusaka
	35	Lesotho	53D	28	Lisbon	192B	57	Long Beach	120B	46	Lushun
67B	29	Lesport	184B	57	Liscomb	172A	60	Long Harbour			Lussinpiccolo, see Mali Losinj
56C	31	L'Estaque	11D	16	Lismore Island	148B	52	Long Island (Bahamas)	99C	43	Lutong Terminal
72C	32	Lesvos Island	42B	23	List	181B	58	Long Island Sound	33B	26	Luvia
183A	57	L'Etang	66A	32	Lithari Point	167C	61	Long Point	106B	43	Luwuk
162C	62	Leticia	47A	22	Lithoijen	192C	57	Long Pond		28	Luxembourg
10A	17	Letterkenney	36C	26	Lithuania	190B	57	Long Sault	119B	47	Luzhou
157A	63	Leutepo	97C	40	Little Andaman Island	14D	16	Longannet	107A	44	Luzon Island
21D	24	Levanger	193B	57	Little Bay Island	12D	16	Longhope	13C	16	Lybster
14C	16	Leven	184D	57	Little Bras d'Or	119D	46	Longkou	4D	17	Lydney
130A	49	Lever Harbour	170B	60	Little Cayman Island	86C	35	Longoni	19	19	Lyell
12C	16	Leverburgh	145D	14	Little Cornwallis Island	4B	17	Longships Light	3B	17	Lyme Bay
46C	22	Leverkusen	189B	56	Little Current	15B	16	Longstone Light	3B	17	Lyme Regis
186D	57	Levis	172A	60	Little Exuma Island	150B	52	Longview	2D	17	Lymington
66B	32	Levkandi	172A	60	Little Inagua Island	119D	46	Longyan	79D	36	Lyndiane
63C	29	Levkas Island	139B	49	Little Makin Island	143D	14	Longyearbyen	12D	16	Lyness
138A	49	Levuka	186C	57	Little Metis	3D	17	Loe	39B	25	Lyngby
179D	58	Lewes	184C	57	Little Narrows	178D	58	Lookout Bight	25A	24	Lyngdal
12C	16	Lewis	97C	40	Little Nicobar Island	175D	54	LOOP Terminal (Louisiana Offshore Oil Port)	20B	21	Lyngnefjord
193A	57	Lewisporte	176C	54	Little Rock (AR)	80C	36	Loos Islands	25B	24	Lyngor
108C	44	Leyte Island	172A	60	Little San Salvador	44A	22	Loppersum	41A	25	Lyngs Odde
50C	18	Lezardrieux	2B	17	Littlehampton	187C	56	Lorain	41B	25	Lyngsbaek Bridge
102A	42	Lhoknga	115A	38	Liuhoa Terminal (Lan Shui Terminal)	135A	48	Lord Howe Island	20B	21	Lyngseidet
102A	42	Lhokseumawe	65A	32	Livadhi	130D	48	Lorengau	4C	17	Lynnmouth
100D	42	Lhotuan	140C	39	Livadiya	152C	59	Loreto	182B	58	Lynn
110C	44	Liang	184A	57	Liverpool (Canada)	51A	18	Lorient	179A	58	Lynnhaven Roads
114C	46	Lianhuashan	7A	17	Liverpool (England)	152A	53	Los Angeles	56B	31	Lyon
119C	46	Lianyungang	173B	60	Livingston	152C	59	Los Barriles	26B	24	Lysaker
80D	36	Liberia			Livorno, see Leghorn	78D	34	Los Cristianos	27A	24	Lysekil
52A	30	Libourne	48A	22	Lixhe	164A	61	Los Hermanos Islands	21C	24	Lysoysund
83D	36	Libreville	63D	29	Lixuri	130D	48	Los Negros Island	137A	49	Lyttelton
106A	43	Libuo	4A	17	Lizard	155A	62	Los Organos			
75C	28	Libya	31	17	Ljubljana	164C	61	Los Taques			
59D	28	Licata	29B	25	Ljugarn	156B	63	Los Vilos			
28A	24	Lidkoping	30D	24	Ljusne	62B	31	Losinj Island			
61B	31	Lido	5D	17	Llanbedrog	13D	16	Lossiemouth			
	28	Liechtenstein	6A	17	Llanddulas	146B	14	Lost Harbour	22D	24	Maaloy
47D	22	Liefkenshoek	6A	17	Llandudno	156D	63	Lota	117D	47	Ma'anshan
48A	22	Liege	5B	17	Llanelli	30B	24	Loudden	40C	25	Maarup
36C	26	Lielirbe	84B	36	Loango	7C	17	Lough Foyle (Northern Ireland)	47A	22	Maas, River
112D	41	Lien Chieu Bay	46A	22	Lobith	10A	17	Lough Foyle (Republic of Ireland)	47A	22	Maashees
36C	26	Liepaja	85A	34	Lobito	7D	17	Lough Larne	108C	44	Maasin
138B	49	Lifuka Island	156A	62	Lobos	10A	17	Lough Swilly	45B	22	Maassluis
26D	24	Liholt	155A	62	Lobos de Tierra Island	184D	57	Louisburg	47B	22	Maastricht
30B	24	Liljeholmsviken	191A	57	Lobster Bay	175C	54	Louisiana (LA) Louisiana Offshore Oil Port, see LOOP Terminal	45A	22	Maasvlakte
49C	18	Lillebonne	11D	16	Loch Aline			Louisville (KY)	115B	47	Mabianzhou
20A	21	Lillebukt	12B	16	Loch Carnan	32B	26	Lovholmen	185A	57	Mabou
25B	24	Lillesand	12A	16	Loch Carron	34B	26	Loviisa	109D	44	Macajalar Bay
47D	22	Lillo	11C	16	Loch Crinan	43B	23	Lovosice	162B	62	Macapa
	35	Lilongwe	12C	16	Loch Eport	191C	57	Lower Cove	161D	62	Macau (Brazil)
158D	64	Lima (Argentina)	11C	16	Loch Etive	192D	57	Lower Island Cove	114B	46	Macau (China)
	62	Lima (Peru)	12B	16	Loch Ewe	45C	22	Lower Rhine (Neder Rijn)	80A	36	MacCarthy's Island
74A	33	Limassol	11B	16	Loch Fyne	17A	17	Lowestoft			19 MacCulloch
49D	18	Limay (France)	11C	16	Loch Indaal	85A	34	Luanda	14A	16	Macduff
107A	44	Limay (Philippines)	12A	16	Loch Kishorn	52D	30	Luarca	161C	62	Maceio
99D	43	Limbang	11D	16	Loch Leven	83B	36	Luba	154D	62	Machalilla
83A	36	Limbe (Victoria)	11D	16	Loch Linnhe	38A	25	Lubeck			19 Machar
82D	36	Limboh Terminal	11A	16	Loch Long	37B	25	Lubin	182D	57	Machiasport
66D	32	Limenaria	11A	16	Loch Striven	37C	25	Lubmin	96A	40	Machilpatnam (Masulipatam)
9B	17	Limerick	11D	16	Loch Sunart	172B	60	Lucaya	135C	48	Mackay
168A	61	Limetree Bay	12B	16	Loch Torridon	57A	31	Lucciana Terminal	188A	56	Mackinaw City
41C	25	Limfjord (Kattegat)	12B	16	Lochboisdale	170A	60	Lucea	110B	44	Maco
41D	25	Limfjord (North Sea)	12C	16	Lochinver	84A	36	Lucina Terminal	134B	48	Macquarie Harbour
28C	25	Limhamn	183D	57	Lochmaddy	135C	48	Lucinda	137A	12	Macquarie Island
58B	31	Limite	51B	18	Lockeport	85A	34	Lucira Grande	109B	44	Mactan Island
66A	32	Limni	50C	18	Locmariaquer	85C	34	Luderitz	113C	41	Macun
61D	31	Limski Canal (Canal di Leme)	51A	18	Loctudy	170A	60	Ludington	86B	35	Macuze River
	21	Linakhamari	41D	25	Lodbjerg	46D	20	Ludwigshafen am Rhein	86C	35	Madagascar
143C	21	Linakhamari	20C	21	Lodingen	115B	38	Lufeng Terminal	131A	48	Madang
163B	62	Linden (Guyana)	27C	25	Lodose	35B	26	Luga Bay	57B	31	Maddalena Island
180C	58	Linden (U.S.A.)	22D	24	Loen	109D	44	Lugait	78B	34	Madeira Island
130C	48	Linden Harbour	24A	24	Lofallstrand	137D	49	Luganville Bay	78B	34	Madeira Islands
25A	24	Lindesnes	20C	20	Lofoten Islands	31C	24	Lugnvik	162C	62	Madeira, River
25A	24	Lindesneshalvoya	130B	49	Lofung	89D	25	Luhaiya (Al Luhayyah)			Madras, see Chennai
41C	25	Lindholm Pier	19	19	Logger	161D	62	Luiz Correia	161B	62	Madre de Deus
87C	35	Lindi	185C	57	Loggieville				28	28	Madrid
40B	25	Lindo	42A	25	Logstor				103D	42	Madura Island
139C	13	Line Islands	40A	25	Lohals				104A	42	Madura Terminal
110B	44	Linek	51B	30	Loire, River				87C	35	Mafia Island
		Lingah, see Bandar Lengeh							141D	14	Magadan

M

ALPHABETICAL INDEX

151

Col. No.	Page No.		Col. No.	Page No.		Col. No.	Page No.		Col. No.	Page No.	
25D	24	Menstad	1D	17	Milton Creek	28B	25	Molle	27B	25	Mossholmen
57A	31	Menton	188C	56	Milwaukee	155D	62	Mollendo	77B	28	Mostaganem
76D	31	Menzel Bourguiba	116B	39	Min Jiang	27A	24	Mollosund	24A	24	Mosterhamn
149B	52	Menzies Bay	92A	37	Mina Abdulla	15	15	Molodezhnaya	6B	17	Mostyn
44C	22	Meppel	92A	37	Mina al Ahmadi	140A	13	Molokai Island	28A	24	Motala
62B	31	Merag			Mina al Bakr Terminal, see Al Basra Terminal			Molotovsk, see Severodvinsk	54D	30	Motril
103B	42	Merak	90B	37	Mina al Fahal	24B	24	Molstrevag	82D	36	Moudi Terminal
105A	43	Merauke			Mina Khalid, see Sharjah	22C	24	Moltustranda	137C	49	Moueo
176A	54	Meraux			Mina Qaboos, see Port Sultan Qaboos	86B	35	Moma	136B	49	Mount Maunganui
88A	35	Merca			Mina Rashid, see Dubai	87D	35	Mombasa	176D	54	Mount Vernon (IN)
107C	44	Mercedes			Mina Raysut, see Salalah	40D	25	Mommark	4A	17	Mount's Bay
	19	Mercury	90C	37	Mina Saqr	38D	25	Mon	135C	48	Mourilyan
97B	41	Mergui	92A	37	Mina Saud	168C	61	Mona Island	4A	17	Mousehole
185A	57	Merigomish	91C	37	Mina Sulman	168C	61	Mona Passage	106A	43	Moutong
33A	26	Merikarvia			Mina Zayed, see Abu Dhabi	56D	31	Monaco	10A	17	Moville
35C	26	Merikula	128A	45	Minamata	19	19	Monan	130C	48	Mowe Harbour
48A	22	Merksem	183B	57	Minas Basin	32D	26	Monas	86A	35	Mozambique
22B	24	Merok	174B	59	Minatitlan	76C	28	Monastir	86B	35	Mozambique Island
77B	28	Mers el Kebir	109C	44	Mindanao Island	121D	45	Monatsu	87C	35	Mtwara
75C	33	Mersa el Hamra Terminal (El Alamein)	79B	34	Mindelo	183B	57	Moncton	138A	49	Mua
	75C	Mersa Matruh	43C	23	Minden	69D	27	Mondoma	98A	41	Muar
	76D	Mersa Takouch	106D	44	Mindoro Island	64C	32	Monemvasia	99C	43	Muara Port
	17B	Mersea Island	4C	17	Minehead	9C	17	Moneypoint	102D	42	Muarasabak
	6B	Mersey, River	74C	33	Minet el Beida	61C	31	Monfalcone	90D	37	Mubarek Terminal
	73D	Mersin	191A	57	Mingan	96D	40	Mongla	91A	37	Mubarras Terminal
	36C	Mersrags	193B	57	Mings Bight	12	12	Mongolia	13B	16	Muckle Flugga
	45D	Merwede, River	117A	47	Minhang	23B	24	Mongstad	161D	62	Mucuripe
	91B	Mesaieed (Umm Said)	95A	40	Minicoy Island	46B	22	Monheim	96C	40	Mud Point
	64A	Mesolongion (Mesolongi)	189A	56	Minnesota (MN)	74B	33	Moni Anchorage	72A	32	Mudanya
	51B	Mesquer	55C	28	Minorca (Menorca) Island	60D	29	Monopoli	61C	31	Muggia
	59C	Messina	59B	31	Minori	187C	56	Monroe	36A	26	Muhu Island
	144A	Mesters Vig	27	27	Minsk	80D	36	Monrovia	131B	48	Muiaio
	183D	Meteghan	121B	46	Mipo	29A	25	Monstera	154D	62	Muisne
	137D	Metensa Bay	192A	57	Miquelon	186B	57	Mont Louis	124A	45	Mukaishima
	14C	Methil	192A	57	Miquelon Island	185B	57	Montague	90A	35	Mukalla
	64B	Methoni	68	68	Miraflores Locks	56D	31	Monte Carlo	121C	46	Mukho
	63A	Metkovic	169C	61	Miragoane	168D	61	Monte Christi	149D	52	Mukilteo
	148B	Metlakatla	162A	62	Miramar	170A	60	Montego Bay	37D	25	Mukran
	64C	Metokhi	185C	57	Miramichi Bay	63A	29	Montenegro	152C	59	Mulege
	46C	Metz	185C	57	Miramichi, River	151D	53	Monterey	184C	57	Mulgrave
	102A	Meulaboh	185C	57	Miramichi, River	160A	64	Montevideo	11D	16	Mull Island
	3D	Mevagissey	99C	43	Miri	186C	57	Montmagny	10B	17	Mull of Galloway
	173C	Mexico (Gulf of Mexico)	94B	40	Miry Bay	51C	30	Montoir	11B	17	Mull of Kintyre
	152B	Mexico (Pacific)			Misamis, see Ozamis	190C	57	Montreal	95C	40	Mullaitivu
		Mexico City	185D	57	Miscou	49B	18	Montreuil	39C	25	Mullerup
	143A	Mezen	58D	31	Miseno	13C	19	Montrose (North Sea Terminals)	4A	17	Mullion Cove
	174C	Mezquital	126D	45	Mishima-Kawanoe	14B	16	Montrose (Scotland)	9D	17	Mulroy Bay
	60B	Mgarr	131B	48	Misima Island	167B	61	Montserrat	58A	31	Multedo
	178A	Miami	105A	43	Misool Terminal	36A	26	Montu	94A	40	Mumbai (Bombay)
	187C	Michigan (MI)	177A	54	Mississippi (MS)	138D	13	Moorea Island	5B	17	Mumbles
	189A	Michipicoten Harbour	175D	54	Mississippi, River	189C	56	Mooretown	130A	49	Munda Point
	176A	Michoud	17B	17	Mistley	145B	51	Moosonee	23A	24	Mundal
	67B	Michurin	128A	45	Misumi	169D	60	Morant Bay	23D	24	Mundheim
	129A	Micronesia, Federated States of	76A	28	Misurata (Qasr Ahmed)	13D	16	Moray Firth	93C	40	Mundra
			123C	45	Mitajiri	51B	18	Morbihan	19	19	Mungo
	13B	Mid Yell Voe	148A	52	Mitilini, see Mytilene	29A	25	Morbylanga	162B	62	Munguba
	47D	Middelburg			Mitkof Island	183C	57	Morden	27A	24	Munkedalhamn
	40C	Middelfart	123D	45	Mitsukushima	22B	24	More	42B	23	Munkmarsch
	47B	Middelharnis	126C	45	Miyako	7A	17	Morecambe (England)	34A	26	Munksnas
	97B	Middle Andaman Island	128D	47	Miyako Island	19	19	Morecambe (Irish Sea)	32B	26	Munksund
	15C	Middlesbrough	128B	47	Miyazaki	7A	17	Morecambe Bay	103A	42	Muntok
	67C	Midia	128B	45	Miyazaki	178D	58	Morehead City			Muqdisho, see Mogadiscio
	189B	Midland	128B	45	Miyazaki	148C	52	Moresby Island	19	19	Murchison
	19B	Midsandur	123A	45	Miyazu	175D	54	Morgan City	19	19	Murdoch
	22A	Midsund	9A	17	Mizen Head	122A	45	Mori	143C	21	Murmansk
	17D	Midvagur	124B	45	Mizushima	50C	18	Morlaix	122B	45	Muroran
	139D	Midway Islands	22A	24	Mjosund	94C	40	Mormugao	53B	30	Muros
		Midye, see Kiyikoy	21A	21	Mo i Rana	131D	48	Mornington Island	190D	57	Murray Bay
	124A	Mihara	104D	43	Moa Island	131A	48	Morobe	185B	57	Murray Harbour
	35D	Miiduranna			Moa, see Cayo Moa	77C	34	Morocco	101A	42	Murung, River
	128A	Miike	84C	36	Moanda Terminal	86D	35	Morombe	139A	13	Mururoa
	125B	Mikawa	177B	54	Mobile	164C	61	Moron	21D	24	Muruviik
	125B	Mikawa Bay			Mocamedes, see Namibe	86D	35	Morondava	38B	25	Murwik
	87C	Mikindani	164A	61	Mochima	86C	35	Moroni	37	37	Muscat
	141D	Mikoyanovsk	86B	35	Mocimboa da Praia	74A	33	Morphou Bay	52D	30	Musel
	123A	Mikuni	6D	17	Mode Wheel	190B	57	Morrisburg	193A	57	Musgrave Harbour
	66B	Milaki	6A	17	Moelfre Roads	15A	16	Morrison's Haven	103A	42	Musi River
	59C	Milazzo	163A	62	Moengo	180A	58	Morrisville	188A	56	Muskegon
	110B	Milbuk	47B	22	Moerdijk	151D	53	Morro Bay	176C	54	Muskogee (OK)
	5C	Milford Docks	88A	35	Mogadiscio (Muqdisho)	152B	59	Morro Redondo	34B	26	Mussalo
	5B	Milford Haven	68A	29	Mohacs	78C	34	Morrojable	130D	48	Mussau Island
	36B	Milgravis	77D	34	Mohammedia (Fedala)	41D	25	Mors Island	15A	16	Musselburgh
	185C	Millbank	86C	35	Moheli Island	52A	30	Mortagne sur Gironde	34C	26	Mustola
		Miller	191A	57	Moisie	192B	57	Mortier Bay	86C	35	Mutsamudu
	129C	Milli Atoll	127B	45	Moji	140C	39	Moryak-Rybolov	126C	45	Mutsu Ogawara
	46A	Millingen aan den Rijn	162B	62	Moju	21	21	Moscow	123B	45	Mutsure
	7B	Millom (England)	162A	62	Moju, River	39A	25	Mosedo	96A	40	Muttukuru
	191D	Milltown	90A	35	Mokha (Al Mukha)	46C	20	Mosel, River	105A	43	Muturi
	62D	Milna	65B	32	Mokhlos	21B	20	Mosjoen	35C	26	Muuga (Novotallinn)
	131B	Milne Bay (Papua New Guinea)	121A	46	Mokpo	141B	14	Moskalvo	111D	41	My Tho
			151C	53	Molate Point	154C	62	Mosquera	111D	41	My Thoi
	142A	Milne Bay (Russia)	22B	24	Molde	26C	24	Moss	96D	41	Myanmar
	131D	Milner Bay			Moldova	151D	53	Moss Landing			Mykolayiv, see Nikolayev
	65B	Milos Island	60D	29	Molfetta	85D	34	Mossel Bay	65D	32	Mykonos
	181A	Milton							65D	32	Mykonos Island
									20B	21	Myre

Col. No.	Page No.		Col. No.	Page No.		Col. No.	Page No.		Col. No.	Page No.	
66D	32	Myrina	144B	14	Narsaq	133C	48	Nepean Bay	99C	43	Niah
176A	54	Myrtle Grove	144B	14	Narsaq Kujalleq (Frederiksdal)	54D	30	Nerja	34	Niamey	
72C	32	Mytilene (Mitolini)	144B	14	Narsarsuaq	144A	14	Nerlerit Innat	79D	36	Niamoro
N											
19		N. Morecambe	20D	21	Narvik	52C	30	Nervion River	101D	42	Nias Island
33C	26	Naantali	35C	26	Narvskiy (Narva)	188B	20	Neskaupstadur	42A	25	Nibe
2B	17	Nab Tower	143A	14	Naryan Mar	21A	20	Nesna	172D	60	Nicaragua (Caribbean)
69C	27	Naberezhnyye Chelny	31C	24	Nas	67B	29	Nessebar	153C	60	Nicaragua (Pacific)
141A	14	Nabil	29B	25	Nasby	44A	22	Netherlands	171C	60	Nicarao
141A	14	Nabil Bay	109C	44	Nasipit	165D	61	Netherlands Antilles	56D	31	Nice
105B	43	Nabire	172A	60	Nassau	43A	23	Neueufelde	163A	62	Nickerie River
130D	48	Nabuto Bay	131D	48	Nassau River	42D	65	Neuhaus	97C	40	Nicobar Islands
86B	35	Nacala	107A	44	Nasugbu	46B	22	Neuss	29	Nicosia	
		Nadi Waters, see Nandi Waters	36A	26	Nasva	38A	25	Neustadt	106C	44	Nido Terminal
77C	30	Nador	161D	62	Natal	46C	20	Neuwied	37B	25	Niechorze
143B	21	Nadvoitsy	23B	24	Natas	35A	26	Neva, River	48B	22	Niel
26B	24	Naersnes	191B	57	Natashquan	141A	39	Nevelsk	45C	22	Nieuw Lekkerland
39C	25	Naestved	107C	44	Nato	167C	61	Nevis (North Sea Terminals)	163A	62	Nieuw Nickerie
109B	44	Naga	144B	14	Natsek Cove	163B	62	Nevis (St. Kitts-Nevis)			Nieuwe Maas, see New Maas
127B	45	Nagahama	107A	44	Naujan	182A	58	New Amsterdam			Nieuwe Waterweg, see New Rotterdam Waterway
95D	40	Nagapattinam	64C	32	Nauplia (Navplion)	178D	58	New Bedford	45C	22	Nieuwerkerk aan den Yssel
127D	45	Nagasaki	139B	49	Nauru	130C	48	New Britain	49A	22	Nieuwpoort
125B	45	Nagashima	139B	49	Nauru Island	185C	57	New Brunswick (E. coast)	75B	67	Nifisha
128C	45	Nagasa	22D	24	Naustdal	183A	57	New Brunswick (S. coast)	34	Niger	
141D	14	Nagayeva Bay	174B	59	Nautla	82D	36	New Calabar	82A	36	Niger, River
95D	40	Nagore	33C	26	Nauvo	82B	36	New Calabar River	81D	36	Nigeria
125B	45	Nagoya	64B	29	Navarino Bay	137A	49	New Caledonia	13D	16	Nigg Terminal
168B	61	Naguabo	157C	63	Navarino Island	186A	57	New Carlisle	85B	10	Nightingale Island
128C	47	Naha	69D	27	Navashino	179D	58	New Castle	122D	45	Niigata
193D	51	Nain	160C	64	Navegantes	130A	49	New Georgia Island	122C	45	Niigata-Higashi
105C	43	Naira	29D	24	Navekvarn	185A	57	New Glasgow	126D	45	Niihama
13D	16	Nairn	53A	30	Navia	182B	58	New Hampshire (NH)	46A	22	Nijmegen (Nymegen)
141A	39	Nairo	58B	31	Navicelli Canal	184A	57	New Harbour	147A	50	Nikishka
		Nairobi	93C	40	Navlakhi	181C	58	New Haven	147A	50	Nikiski
121D	46	Najin (Rajin)	152D	59	Navojoa	16C	16	New Holland	68C	29	Nikolayev (Mykolayiv)
128D	47	Nakagusuku	107A	44	Navotas	130D	48	New Ireland	141C	14	Nikolayevsk
128C	47	Nakagusuku Bay (Buckner Bay)	64A	29	Navpaktos	180A	58	New Jersey (NJ)	69B	27	Nikolayevskaya
127B	45	Nakajima	Navplion, see Nauplia			185B	57	New London (Canada)			Nikumaroro Atoll, see Gardner Island
126A	45	Nakaminato	137D	49	Navua	181C	58	New London (U.S.A.)	170C	60	Nima Nima
123C	45	Nakanoseki	137D	49	Navuloa	45B	22	New Maas (Nieuwe Maas)	149B	52	Nimpkish, River
137B	49	Nakety (Nekete)	139D	13	Nawiliwili	94C	40	New Mangalore	116D	47	Ningbo
140C	39	Nakhodka	65D	32	Naxos	185D	57	New Mills	116C	47	Ningde
146A	50	Naknek	65D	32	Naxos Island	176A	54	New Orleans	112C	41	Ninh Phuoc
39D	25	Nakskov	146C	14	Naxon Bay	136A	49	New Orleans (Taranaki)	19	Ninian	
108D	45	Nalunga Island	53D	28	Nazare	172A	60	New Providence Island	171C	60	Nipe Bay
111D	41	Nam Can	128C	45	Naze	5C	17	New Quay	193B	57	Nippers Harbour
113B	41	Nam Ha	17B	17	Naze, The	186A	57	New Richmond	170C	60	Niquero
130D	48	Namatanai	34	N'Djamena	8C	17	New Rotterdam	124D	45	Nishinomiya	
85B	34	Namibe (Mocamedes)	66D	32	Nea Karvali	45A	22	New Rotterdam Waterway (Nieuwe Waterweg)	123B	45	Nishinoshima
85C	34	Namibia (South West Africa)	66C	32	Nea Moudhania	134D	48	New South Wales	90A	35	Nishtun
126D	45	Namikata	66C	32	Nea Peramos	95B	40	New Tuscany	73B	32	Nisirois Island
105C	43	Namlea	66C	32	Nea Playia	193A	57	New World Island	161A	64	Niteroi
120C	46	Nampo (Chinnampo)	150B	52	Neah Bay	180D	58	New York	10A	17	Nith, River
21B	20	Namsenfjord	16B	16	Neap House	180C	58	New York (NY) (Atlantic)	2C	17	Niton
21C	20	Namsos	64C	32	Neapolis	187A	57	New York (NY) (Great Lakes)	138B	49	Niuafu Island
149A	52	Nanaimo	5B	17	Neath	135D	49	New Zealand	138B	49	Niutoputapu Island
123A	45	Nanao	5B	17	Neath, River	14C	16	Newburgh (Fife)	138C	49	Niue
118B	47	Nanchang	175B	54	Neches River	14B	16	Newburgh (Grampian)	39A	25	Nivaa
174B	59	Nanchital	158C	63	Necochea	14B	16	Newburgh (U.S.A.)	141B	14	Nivo
97C	40	Nancowry Harbour	184B	57	Necum Teuch Harbour	180D	58	Newburyport	69C	27	Nizhnokamsk
137D	49	Nandi (Nadi) Waters	Neder Rijn, see Lower Rhine			182B	58	Newburyport	69D	27	Nizhniy Novgorod (Gorkiy)
138A	49	Nandi Bay	47A	22	Nederhemert	135A	48	Newcastle (Australia)	141C	14	Nizhnaya Gavan
118A	47	Nanfei River	2C	17	Needles	185C	57	Newcastle (Canada)	96A	40	Nizimpatnam
128B	45	Nango	94D	40	Neendakara	15B	16	Newcastle (England)	18C	20	Njardhvik
114C	47	Nanhai	125D	45	Negishi	8A	17	Newcastle (Northern Ireland)	84B	36	N'kossa Terminal
117A	47	Nanhui	95D	40	Negombo	191B	57	Newfoundland & Labrador	128B	45	Nobeoka
145D	14	Nanisivik	170A	60	Negril	2B	17	Newhaven	183C	57	Noel Bay
117D	47	Nanjing	155A	62	Negritos	4A	17	Newlyn	141B	14	Nogliki
149A	52	Nanoose	183D	57	Negro Harbour	5C	17	Newport (Dyfed)	122C	45	Noheji
144B	14	Nanortalik	108D	44	Negros Island	17C	17	Newport (England)	27C	25	Nol
114C	46	Nansha	137B	49	Nehoue	2C	17	Newport (Gwent)	146A	50	Nome
116B	47	Nantai	138B	49	Neiafu	5A	17	Newport (Oregon)	138B	49	Nomuka Island
49D	18	Nanterre	184D	57	Neil Harbour	150D	50	Newport (Republic of Ireland)	122C	45	Nonai
51C	30	Nantes	70A	27	Neka	9D	17	Newport (Rhode Island)	79D	36	Nonane
189D	56	Nanticoke	70A	27	Neka, River	181D	58	Newport (Rhode Island)	109C	44	Nonoc Island
117B	47	Nantong	38C	25	Nekete, see Nakety	152A	53	Newport Beach	139C	49	Nonouti Island
182A	58	Nantucket Island	140D	39	Nekso (Nexo)	179B	58	Newport News	148D	52	Nootka
139B	49	Nanumea Island	136C	49	Nelma	4B	17	Newquay	84D	36	Noqui
122D	45	Naoetsu	136C	49	Nelson (New Zealand)	8A	17	Newry	31C	24	Norastrom
124B	45	Naoshima	19	Nelson (North Sea Terminals)	19	Nelson (North Sea Terminals)	19	Newsham	176B	54	Norco
136A	49	Napier	142A	39	Nemo Bay	5C	17	Nexo, see Nekso			Nord Kapp, see North Cape
59A	31	Naples (Napoli)	72D	32	Nemrut Bay	113A	41	Neyland	42B	25	Nordby
41B	25	Nappedam	36D	26	Nemunas, River	113A	41	Nghi Son	22C	24	Norddal
96B	40	Narasapur	121D	45	Nemuro	137B	49	Ngao	43D	22	Norddeich
96A	40	Narasapur Point	98C	41	Nenasi	85D	35	Ngqura	43B	23	Nordenham
110D	41	Narathivat	16D	17	Nene, River	112A	41	Nha Be	43D	22	Norderney
96D	40	Narayanganj	25D	24	Nenseth	112C	41	Nha Trang	22D	24	Nordfjord
86D	35	Narendry Bay	161C	38	Neopolis			Nhava Sheva, see Jawaharlal Nehru	18B	20	Nordfjordur
130D	48	Nares Harbour			Nepal				19D	21	Nordkyn
181D	58	Narragansett Bay							31D	24	Nordmaling (Notholmen)

ALPHABETICAL INDEX

153

Col. No.	Page No.	
		Nord-Ostsee Kanal, see Kiel Canal
144C	14	Nordre Stromfjord
18A	20	Nordskali
18D	20	Nordurfjordur
23D	24	Nordveitgrend
179B	58	Norfolk
137A	48	Norfolk Island
23D	24	Norheimsund
131D	48	Normanton
130A	49	Noro
31D	24	Norrbyskar
41C	25	Norresundby
29D	24	Norrkoping
31C	24	Norrland
30D	24	Norrsundet
30C	24	Norttalje
27D	24	Norsbron
	19	Norsea Terminal
175A	54	Norsworthy
97B	40	North Andaman Island
151A	50	North Bend
15A	16	North Berwick
135D	49	North Cape
20A	21	North Cape (Nord Kapp)
178D	58	North Carolina (NC)
1D	17	North Foreland
44D	22	North Holland Canal
135D	49	North Island
16C	16	North Killingholme
120C	46	North Korea
185B	57	North Point
14D	16	North Queensferry
13A	16	North Ronaldsay
185B	57	North Rustico
44D	22	North Sea Canal
13B	19	North Sea Terminals
15B	16	North Shields
145A	14	North Star Bay
15B	16	North Sunderland (Seahouses)
184D	57	North Sydney
15C	16	North Tees
12B	16	North Uist
132D	48	North West Cape
145C	50	North West Territories
4C	17	Northam
7C	17	Northern Ireland
129A	12	Northern Mariana Islands
131D	48	Northern Territory
181B	58	Northport
181B	58	Northville
6C	17	Northwich
181C	58	Norwalk
19D	20	Norway
17A	17	Norwich
122C	45	Noshiro
86D	35	Nosy Be
		Notholmen, see Nordmaling
79B	34	Nouadhibou
79B	34	Nouakchott
137A	49	Noumea
13A	16	Noup Head
183B	57	Nova Scotia
142D	14	Novaya Zemlya
68A	29	Novi Sad
62B	31	Novi Vinodolski
61D	31	Novigrad (Cittanova)
141A	39	Novikovo
69D	27	Novocheboksarsk
	15	Novolazarevskaya
70C	29	Novorossiysk
		Novotallinn, see Muuga
142D	14	Novyy Port
70A	27	Now Shahr
37C	25	Nowe Warpno
37A	25	Nowy Port
49B	18	Noyelles
151A	50	Noyo
171A	60	Nueva Gerona
160A	64	Nueva Palmira
171B	60	Nuevitas
153A	59	Nuevo Vallarta
	19	Nuggets
138B	49	Nukualofa
139B	49	Nukufetau Atoll
139A	13	Nuku-Hiva Island
47B	22	Numansdorp
125C	45	Numazu
84A	36	Numbi, River
100C	42	Nunukan
32C	26	Nuottasaari
20D	20	Nusfjord
144C	14	Nuuk (Godthaab)
89B	33	Nuweiba
	19	N.W. Hutton

Col. No.	Page No.	
143D	14	Ny Alesund
25A	24	Ny Hellesund
84A	36	Nyanga
40B	25	Nyborg
33A	26	Nyhamn
39A	25	Nyhavn
39D	25	Nykobing (Falster)
42A	25	Nykobing (Mors)
39B	25	Nykobing (Sjaelland)
29D	24	Nykoping
31C	24	Nyland
		Nymegen, see Nijmegen
30B	24	Nynashamn
40A	25	Nysted
25D	24	Nystrand
84D	34	N'zeto (Ambrizete)
O		
140A	13	Oahu Island
1C	17	Oakham Ness
151C	53	Oakland
190A	56	Oakville
136D	49	Oamaru
30B	24	Oaxen
142D	14	Ob, River
136D	49	Oban (New Zealand)
11C	16	Oban (Scotland)
88A	35	Obbia
31D	24	Obbola
105D	43	Obi Island
162C	62	Obidos
24D	24	Obrestad
193C	57	Occasional Harbour
172B	60	Ocean Cay
148C	52	Ocean Falls
		Ocean Island, see Banaba
177B	54	Ocean Springs
152B	53	Oceanside
68C	29	Ochakov
70D	29	Ochamchire
170A	60	Ocho Rios
27B	25	Ockero
153B	59	Ocos
24A	24	Odda
39B	25	Odden
40B	25	Odense
37B	25	Oder, River
68C	29	Odessa
51A	18	Odette, River
	19	Odin
82C	36	Odudu Terminal
72B	32	Oduhluk
139A	13	Oeno Island
71A	29	Of
20D	21	Ofofjord
23A	24	Ofredal
126C	45	Ofunato
123D	45	Ogaki
128D	39	Ogasawara Islands
187A	57	Ogdensburg
122D	45	Ogi
126B	45	Oginohama
125D	45	Ogishima
83D	36	Oguendo Terminal
187B	56	Ohio (OH)
72D	32	Oinousa Island
128C	45	Oita
53D	28	Oitavos
69D	27	Oka, River
95C	40	Okanda
70A	27	Okarem
129B	12	Okat
124B	45	Okayama
141B	14	Okha
141D	14	Okhotsk
128C	47	Okinawa Island
121C	46	Okke
82C	36	Okono Terminal
121B	46	Okpo
82C	36	Okrika
20A	21	Oksfjord
68C	29	Oktyabrskiy
141B	14	Oktyabrskiy
126B	45	Okuma
82C	36	Okwori Terminal
141D	14	Ola
18D	20	Olafsfjordur
19A	20	Olafsvik
29A	25	Oland Island
57C	31	Olbia
169D	60	Old Harbour Bay
8D	17	Old Head of Kinsale
10D	16	Old Kilpatrick
45D	22	Old Maas (Oude Maas)

Col. No.	Page No.	
45A	22	Old Rhine (Oude Rijn)
22D	24	Olden
43C	23	Oldenburg
38B	65	Oldenbuttel
43D	22	Oldersum
48A	22	Olen (Belgium)
24A	24	Olen (Norway)
141A	14	Oleniy
151C	53	Oleum
140C	39	Olga
140C	39	Olga Bay
54A	30	Olhao
33B	26	Olkiluoto (Eurajoki)
108B	44	Olongapo
38B	25	Olpenitz
28A	24	Olshammar
67D	29	Oltenitza
24C	24	Oltsevik
110A	44	Olutanga Island
69B	27	Olya
150A	52	Olympia
125C	45	Omaezaki
90A	35	Oman
122C	45	Ominato
62D	29	Omis
62B	31	Omisalj
124A	45	Omishima
173B	60	Omoa
128A	45	Omuta
126B	45	Onagawa
126A	45	Onahama
52C	30	Ondarroa
105D	43	Ondong
143B	21	Onega
135D	49	Onehunga
142A	39	Onekotan Island
82A	36	Onitsha
82C	36	Onne
123B	45	Onoda
124A	45	Onomichi
28A	25	Onsala
121B	46	Onsan
132C	48	Onslow
189A	56	Ontario (Great Lakes)
145B	51	Ontario (Hudson Bay)
52C	30	Onton
188D	56	Ontonagon
47B	22	Ooltgensplaat
		Oostende, see Ostend
47B	22	Oosterhout
		Oosterschelde, see Eastern Scheldt
49A	22	Oostkamp
44B	22	Oostmahorn
62A	31	Opatija (Abbazia)
82C	36	Opobo
125D	45	Oppama
21B	20	Opploygfjord
136B	49	Opua
136A	49	Opunake
155C	62	Oquendo
170B	60	Oracabessa
77B	28	Oran
175C	54	Orange
85C	34	Oranjemund Terminal
165C	61	Oranjestad
12A	16	Orbost
147B	50	Orca
71A	29	Ordu
30A	24	Orebro
150C	52	Oregon (OR)
30C	24	Oreground
39D	25	Orehoved
17A	17	Orford Haven
163B	60	Orinoco, River
	19	Orion
36A	26	Orissaare
57D	28	Oristano
32D	26	Oritkarin Laituri
36A	26	Orjaku
21D	24	Orkanger
12D	16	Orkney Islands
186C	57	Orleans Island
93B	40	Ormara
66C	32	Ormilja
108C	44	Ormoc
31D	24	Ornskoldsvik
131B	48	Oro Bay
11C	16	Oronsay Island
66A	32	Oropos
110A	44	Oroquieta
171A	60	Orozco
29C	24	Orrfjarden
		Orsera, see Vrsar
68A	29	Orsova
46B	22	Orsoy
38A	25	Orth

Col. No.	Page No.	
53A	30	Ortigueira
61A	28	Ortona
31A	24	Ortviken
32A	26	Orviken
17A	17	Orwell, River
162B	62	Os Estreitos
124D	45	Osaka
124A	45	Osaki
124A	45	Osakikami Shima
13C	19	Oseberg
88C	35	Oseif
127D	45	Oseto
190A	56	Oshawa
29A	25	Oskarshamn
43C	23	Oslebshausen
26B	24	Oslo
25D	24	Oslofjord
109C	44	Osmena
35D	26	Osmusaar Island
	19	Osprey
142B	14	Ossora
39B	25	Ostby
26D	24	Ostdalen
42D	65	Oste, River
49A	22	Ostend (Oostende)
49A	22	Ostend-Bruges Canal
142C	14	Ostenga
38B	65	Ostermoor
58D	28	Ostia
31B	24	Ostrand
175D	54	Ostrica
187A	56	Oswego
136D	49	Otago Harbour
123D	45	Otake
122A	45	Otaru
142A	39	Otome Bay
35B	26	Otradnoye
60D	29	Otranto
126C	45	Otsuchi
	51	Ottawa
27D	24	Otterbacken
1C	17	Otterham Quay
21B	20	Ottersoy
	34	Ouagadougou
45D	22	Oud Beijerland
47C	22	Ouddorp
		Oude Maas, see Old Maas
		Oude Rijn, see Old Rhine
45C	22	Ouderkerk
77D	30	Oued Sebou
81C	36	Ouidah
137B	49	Ouinne
50A	18	Ouistreham
17A	17	Oulton Broad
32C	26	Oulu
137B	49	Ounia
16D	17	Ouse, River (Norfolk)
16A	16	Ouse, River (Yorkshire)
12B	16	Outer Hebrides
47C	22	Ouwerkerk
73D	33	Ovacik
138A	49	Ovalau Island
45A	22	Overschie
125B	45	Owase
189C	56	Owen Sound
83D	36	Owendo
176D	54	Owensboro (KY)
2B	17	Owers Light
29D	24	Oxelosund
22B	24	Oye
20B	21	Oyjordneset
181B	58	Oyster Bay
23D	24	Oystese
110A	44	Ozamis (Misamis)
141D	14	Ozernovskiy
P		
137B	49	Paagoumene
48C	22	Paal
144		

Col. No.	Page No.		Col. No.	Page No.		Col. No.	Page No.		Col. No.	Page No.	
129C	49	Paeu	74A	33	Paphos	103D	42	Pekalongan	97C	41	Phuket
62B	31	Pag (Pago)	130B	48	Papua New Guinea	98D	41	Pekan	111D	41	Phuoc Khanh
62B	31	Pag (Pago) Island	3D	17	Par	102C	42	Pekanbaru	112B	41	Phuoc Tai
110A	44	Pagadian	162A	62	Para, River			Peking, see Beijing	152C	59	Pichilingue
101D	42	Pagai Selatan Island	107C	44	Paracale	60A	28	Pelagie Islands		19	Pickersill
101D	42	Pagai Utara Island	112D	41	Paracel Islands (Disputed)	189D	56	Pelee Island	163B	62	Pickersgill
83C	36	Pagalu Island	163C	61	Paradero	147D	52	Pelican	78A	34	Pico Island
107B	44	Pagbilao	96B	40	Paradip			Pelican	190B	56	Picton (Canada)
104A	42	Pagerungan Terminal	164C	61	Paraguana Peninsula	61B	31	Pellestrina	136C	49	Picton (New Zealand)
		Pago Island, see Pag Island	159C	64	Paraguay	42C	23	Pellworm Island	185A	57	Pictou
			159C	64	Paraguay, River	160B	64	Pelotas	7B	17	Piel
138C	49	Pago Pago	33C	26	Parainen (Pargas)	101B	42	Pemangkat	13A	16	Pierowall Harbour
		Pago, see Pag Island	163A	62	Paramaribo	86B	35	Pemba	32D	26	Pietarsaari (Jakobstad)
51C	30	Paimboeuf	155B	62	Paramonga	87D	35	Pemba Island	58A	31	Pietra Ligure
50C	18	Paimpol	142A	39	Paramushir Island	5C	17	Pembroke	166C	61	Pigeon Point
10D	16	Paisley	159B	64	Parana	97D	41	Penang (Pinang)	170C	60	Pilon
137C	49	Paia (New Caledonia)	158D	64	Parana, River	99A	41	Penara Terminal			Pilos, see Pylos
155A	62	Paia (Peru)	160C	64	Paranagua	5A	17	Penarth	175D	54	Pilottown
113B	41	Pak Ha Mun	163A	62	Paranam	156C	63	Penco	141B	14	Pilvo
129C	49	Pakera Point	160D	64	Parati	4B	17	Pendeen	155A	62	Pimentel
		Pakhi, see Pachi	106B	43	Pare Pare	189B	56	Penetanguishene			Pinang, see Penang
93B	40	Pakistan			Parenzo, see Porec			Penghu Islands, see Pescadore Islands	177D	55	Pine Island
111B	41	Paknam			Pargas, see Parainen				179B	58	Piney Point (MD)
174D	54	Palacios	78C	34	Pargo Point	119D	46	Penglai	115C	47	Pinghai
56A	31	Palamos	162D	62	Pariacabo			Penguin	117A	47	Pinghu
84D	36	Palanca Terminal	154A	60	Parida Island	53D	28	Peniche	118D	47	Pingtang
36C	26	Palanga	106A	43	Parigi	98C	42	Peninsular Malaysia (E. coast)	17A	17	Pinmill
101B	42	Palangkaraya	162C	62	Parintins			Peninsular Malaysia (W. coast)	42D	23	Pinnau, River
178B	55	Palatka	50A	18	Paris	97D	41	Peninsular Malaysia (W. coast)	58B	31	Piombino
57B	31	Palau (Italy)	154A	60	Parita Bay				36D	26	Pionerskiy
129A	12	Palau (Palau)	17B	17	Parkeston Quay	6A	17	Penmaenmawr	93D	40	Pipavav
106C	44	Palawan Island	162A	62	Parnaiba	51A	18	Penmarc'h Point			Piper
35D	26	Paldiski	36B	26	Parnu	82B	36	Pennington Terminal	65A	32	Piraeus
103A	42	Palembang	65D	32	Paros	180B	58	Pennsauken	61D	31	Piran
169B	61	Palenque Terminal	65D	32	Paros Island	180A	58	Pennsylvania (PA) (Atlantic)	51B	30	Piriatic
65C	32	Paleochora	4D	17	Parrett, River			Pennsylvania (PA) (Great Lakes)	160A	64	Piriapolis
59D	28	Palermo	183B	57	Parrsboro	187B	56	Pennsylvania (PA) (Great Lakes)	164B	61	Piritu
		Palikir	189B	56	Parry Sound				58B	31	Pisa
137D	49	Palikulo Bay	113B	41	Parseval Bay	182C	57	Penobscot River	155D	62	Pisagua
35D	26	Paljassaare (Kopli)	6D	17	Partington	3D	17	Penryn	155C	62	Pisco
178A	55	Palm Beach	183A	57	Partridge Island	3D	17	Penryn River	191B	57	Pistolet Bay
79A	34	Palma	107B	44	Pasacao	177C	54	Pensacola	139A	13	Pitcairn Island
55C	28	Palma (Palma de Mallorca)	175A	54	Pasadena	3D	17	Pentewan	139A	13	Pitcairn Islands
			52C	30	Pasajes	12C	16	Pentland Firth	32B	26	Pitea
79C	34	Palmeira	177B	54	Pascagoula	12D	16	Pentland Skerries	35B	26	Pitkaranta
		Palmer	150C	52	Pasco	102D	42	Penuba	14C	16	Pittenweem
139C	13	Palmyra Atoll	98B	42	Pasir Gudang	168C	61	Penuelas	151B	53	Pittsburg
96B	40	Palmyras Point	98C	42	Pasir Panjang	4A	17	Penzance	177A	55	Pittsburgh (PA)
10B	17	Palnackie	93B	40	Pasni	80C	36	Pepel	145A	14	Pituffik
170D	60	Palo Alto	186A	57	Paspebiac	97D	41	Perai	154C	62	Pizarro
108C	44	Palompon	177A	54	Pass Christian	65A	32	Perama	192B	57	Placentia
106B	43	Palopo	8C	17	Passage East	102C	42	Perawang	192A	57	Placentia Bay
106C	43	Palu	8D	17	Passage West	186A	57	Perce	109C	44	Placer
163C	61	Palua	68B	66	Passau	90A	35	Perim (Mayyun) Island	103A	42	Plaju
50D	18	Paluden	171B	60	Pastelillo	69C	27	Perm	176C	54	Plaquemines
103C	42	Pamanukan	104A	42	Pasuruan	34B	26	Pernaja	110A	44	Plaridel
164A	61	Pamatacual	29A	25	Pataholm	45B	22	Pernis	140C	39	Plastun
164A	61	Pamatacualito	181A	58	Patchogue	50C	18	Perros Guirec	158C	64	Plate, River (Argentina)
95B	40	Pamban	136A	49	Patea	133A	48	Perth (Australia)	160A	64	Plate, River (Uruguay)
108C	44	Pambuhan	96D	40	Patenga Point	14B	16	Perth (Scotland)	63D	29	Platyalii
164A	61	Pampatar	32C	26	Pateniemi	180C	58	Perth Amboy	111A	41	Platong Terminal
108A	44	Pamplona	97A	41	Pathein	164A	61	Pertigalete	173D	60	Playa del Carmen
110B	44	Panabo	97A	41	Pathein River	164A	61	Pertigalete Bay	191C	57	Pleasant Cove
110A	44	Panabutan	73A	32	Patmos	58B	31	Pertusola	147C	52	Pleasant Island
95C	40	Panadura	73A	32	Patmos Island	155A	62	Peru	50C	18	Pleubian
94B	40	Panaji (Panjim)	64A	29	Patras	140C	39	Pervaya Rechka	63A	29	Ploce
154A	60	Panama	19A	20	Patrekshofn (Vatneyri)	61A	31	Pesaro	62A	31	Plomin
172B	60	Panama (Caribbean)	110D	41	Pattani	115D	47	Pescadores (Penghu) Islands	50D	18	Plouescat
172C	68	Panama Canal	111B	41	Pattaya			Pescadores Islands	50D	18	Plougastel
154B	68	Panama City (Panama)	97C	40	Patua	155C	62	Pescadores Islands	149A	52	Plumper Sound
177C	54	Panama City (U.S.A.)	179C	58	Patuxent River	61A	28	Pescara	3C	17	Plymouth (England)
59B	28	Panarea Island	52B	30	Paulliac	14A	16	Peterhead	167B	61	Plymouth (Montserrat)
104A	42	Panarukan	176B	54	Paulina	148A	52	Petersburg	166C	61	Plymouth (Trinidad and Tobago)
108D	44	Panay Island	180B	58	Paulsboro	49D	18	Petit Couronne			
68A	29	Pancevo	61B	31	Pavia	169C	61	Petit Goave	182A	58	Plymouth (U.S.A.)
138B	49	Pangai	36C	26	Pavilosta	49D	18	Petit Quevilly	3C	17	Plymouth Sound
87D	35	Pangani	105C	43	Payahé	183B	57	Petitcodiac River	64C	32	Plytra
107B	44	Pangi	172C	60	Payardi Island	186B	57	Petite Vallee	61B	31	Po, River
102B	42	Pangkalan Brandan	73D	33	Payas	35B	26	Petrodvorets			Podgorica
101B	42	Pangkalan Bun	159D	64	Paysandu			Petrokrepost, see Shlisselburg	67B	32	Podima
102B	42	Pangkalan Susu	71A	29	Pazar				35B	26	Podporozhye
103A	42	Pangkalbalam	140A	13	Pearl Harbour				140C	39	Podyapolskoye
103A	42	Pangkalpinang			Pearl River, see Zhu Jiang				141A	14	Pogranichnoye
145C	51	Pangnirtung	177A	54	Pearlington				121B	46	Pohang
101C	42	Panjang	86B	35	Pebane				33D	26	Pohja
		Panjim, see Panaji	161D	62	Pecem	63B	29	Petrovac	129B	12	Pohnpei (Ponape) Island
65D	32	Panormos	143C	21	Pechenga	35B	9	Petrozavodsk	146A	50	Point Barrow
65C	32	Panormos Bay	143A	14	Pechora, River	142C	14	Pevek	180A	58	Point Breeze
60A	28	Pantelleria Island	163D	61	Pedernales	36D	26	Peyse	95B	40	Point Calimere
106C	43	Pantoloan	79C	34	Pedra de Lume	65A	32	Phaleron Bay	79B	34	Point Central
114B	46	Panyu	154A	60	Pedregal	180A	58	Philadelphia	132D	48	Point Cloates
115A	38	Panyu Terminal			Pedro Miguel Locks	167D	61	Phillipsburg	174D	54	Point Comfort
59B	28	Paola	181A	58	Peekskill	93B	40	Phitti Creek	151D	53	Point Conception
138D	13	Paopao	7B	17	Peel	111D	41	Phnom Penh	184D	57	Point Edward
138D	13	Papeete	37C	25	Peene, River	139C	49	Phoenix Islands	166A	61	Point Fortin
44A	22	Papenburg	37C	25	Peenemunde	112B	41	Phu My	181C	58	Point Judith
45D	22	Papendrecht	35D	26	Peetri	111C	41	Phu Quoc Island	146A	50	Point Lay

ALPHABETICAL INDEX

157

Col. No.	Page No.	
181D	58	Quonset
144A	14	Outdileq
145A	14	Outdligssat
R		
28B	25	Raa
32D	26	Raahe
47B	22	Raamsdonksveer
62B	31	Rab (Arbe)
62B	31	Rab (Arbe) Island
62A	31	Rabac
77D	34	Rabat
130C	48	Rabaul
89C	35	Rabigh
108A	44	Rabon
174B	59	Rabon Grande Terminal
182A	58	Race Point
188C	56	Racine
76C	31	Rades
49C	18	Radicatel
75A	33	Rafah
66A	32	Rafina
25C	24	Rafnes
172A	60	Ragged Island
135D	49	Raglan
		Ragusa, see Dubrovnik
32D	26	Rahja
138D	13	Raiatea Island
1C	17	Rainham
150D	52	Rainier
138D	13	Rairua
138D	13	Raivavae Island
99B	42	Rajang
		Rajin, see Najin
93D	40	Rajula
		Rama, see Arlen Siu
193D	51	Ramah
159A	64	Ramallo
191D	57	Ramea Island
10A	17	Ramelton
20B	21	Ramfjordnes
7B	17	Ramsey
1D	17	Ramsgate
20D	20	Ramsund
27A	24	Ramsvik
31B	24	Ramvik
21A	20	Ranafjord
53C	30	Rande
41C	25	Randers
145C	51	Rankin Inlet
97C	41	Ranong
115C	47	Raoping
139A	13	Rapa Island
58A	31	Rapallo
133D	48	Rapid Bay
180C	58	Raritan River
138C	13	Rarotonga Island
91D	37	Ras al Ghar
90B	37	Ras al Hadd
89D	35	Ras al Katheeb (Ras al Katib)
91D	37	Ras al Khafji
90D	37	Ras al Khaimah
91D	37	Ras al Mishab
91D	37	Ras as Saffaniya
88A	35	Ras Asir (Cape Guardafui)
92C	37	Ras Bahregan Terminal
88C	35	Ras Banas
89C	35	Ras Baridi
89A	33	Ras Budran Terminal
76C	28	Ras Dimasse
75D	29	Ras el Hilal
		Ras el Ish
88D	33	Ras Gharib
89D	35	Ras Isa Terminal
91B	37	Ras Laffan
75D	29	Ras Lanuf
93A	37	Ras Maidani
89A	33	Ras Malab
89A	33	Ras Misalla
88D	33	Ras Shukheir Terminal
89A	33	Ras Sudr Terminal
91D	37	Ras Tanura
76C	28	Ras Tina
91A	37	Ras Zubbayah
62A	31	Rasa
31D	26	Ratan
7D	17	Rathlin Island
10A	17	Rathmullen
94B	40	Ratnagiri
14A	16	Rattray Head
112A	41	Rau Qua
22D	24	Raudeberg
22A	24	Raudsand (Rausand)

Col. No.	Page No.	
18C	20	Raufarhofn
33B	26	Rauma
		Rausand, see Raudsand
180D	58	Ravena
7C	17	Ravenglass
61B	31	Ravenna
136D	49	Ravensbourne
		Ravenspurm
62D	29	Ravnice
150B	52	Raymond
111C	41	Rayong
111C	41	Ream
58A	31	Recco
161C	62	Recife
146A	50	Red Dog
190D	57	Red Islet
176C	54	Red River (U.S.A.)
113A	41	Red River (Vietnam)
189A	56	Red Rock
88B	35	Red Sea
2D	17	Redbridge
15D	16	Redcar
94B	40	Redi
51B	18	Redon
152A	53	Redondo Beach
6A	17	Redwharf Bay
151C	53	Redwood City
16D	17	Reedham
150D	50	Reedsport
179D	58	Reedy Island
179D	58	Reedy Point
68B	66	Regensburg
60C	29	Reggio di Calabria
171B	60	Regla
50B	18	Regneville
128A	45	Reihoku
24D	24	Rekefjord
72C	32	Rema Bay
46C	20	Remagen
103D	42	Rembang
121C	46	Rempe
129D	49	Renard Sound
191D	57	Rencontre
130A	49	Rendova Harbour
130A	49	Rendova Island
38B	65	Rendsburg
		Renee
192C	57	Renewse
10D	16	Renfrew
130D	48	Rengau
67D	29	Reni
181A	58	Rensselaer
52C	30	Renteria
33B	26	Reposaari
20A	21	Repparfjord
8A	17	Republic of Ireland (Eire)
52D	30	Requejada
72C	32	Resadiye
176B	54	Reserve
145D	14	Resolute
145C	51	Resolution Island
65C	32	Rethimnon
87B	35	Reunion
94B	40	Revadanda
182B	58	Revere
64D	32	Revithousa
23B	24	Revsnes
185C	57	Rexton
18B	20	Reydharrfjordur
19A	20	Reykholar
19C	20	Reykjanes
19B	20	Reykjavik
46B	22	Rheinhausen
46A	22	Rhine (Rhein), River
46A	22	Rhine (River Rijn), River
181C	58	Rhode Island (RI)
73B	32	Rhodes
73B	32	Rhodes Island
56B	31	Rhone, River
6B	17	Rhyl
53A	30	Ribadeo
52D	30	Ribadesella
7A	17	Ribble, River
42B	25	Ribe
37D	25	Ribnitz
86A	35	Richards Bay
2A	17	Richborough
185C	57	Richibucto
151C	53	Richmond (California)
149C	52	Richmond (Canada)
179B	58	Richmond (Virginia)
1D	17	Ridham Dock
48D	22	Rieme
19B	20	Rifshofn
36B	26	Riga
193D	51	Rigolet
62A	31	Rijeka (Fiume)

Col. No.	Page No.	
	19	Rijn
		Rijn, River, see Rhine, River
45D	22	Rijswijk
139A	13	Rikitea
33D	26	Rilax
61B	31	Rimini
186C	57	Rimouski
59B	28	Rinella
130A	49	Ringi Cove
42B	25	Ringkobing
83C	36	Rio Benito
170A	60	Rio Bueno
171A	60	Rio Coloma
158A	63	Rio Cullen Terminal
161A	64	Rio de Janeiro
82D	36	Rio del Rey
83C	36	Rio Etembue
158A	63	Rio Gallegos
158A	63	Rio Grande (Argentina)
160B	64	Rio Grande (Brazil)
174C	54	Rio Grande (U.S.A.)
165B	61	Rio Hacha
169B	61	Rio Haina
173D	60	Rio Lagartos
58C	31	Rio Marina
83C	36	Rio Muni
80C	36	Rio Nunez (Fleuve Tinguillinta)
171B	60	Rio Sagua la Grande
160B	64	Rio Sao Goncalo
157B	63	Rio Seco
		Rio Tejo, see Tagus, River
106D	44	Rio Tuba
154C	62	Rio Verde
64A	29	Rion
60B	28	Riposto
63B	29	Risan
33A	26	Risby
134B	48	Risdon
49C	18	Risle, River
23A	24	Risnes
25B	24	Risor
34D	26	Ristiina
57D	31	Riva Ligure
		River Ijssel, see River Yssel
		River, see proper name
181B	58	Riverhead
184A	57	Riverport
173C	60	Riversdale
186C	57	Riviere du Loup
27B	25	Rivofjord
		Rixo, see Ryxo
	35	Riyadh
71A	29	Rize
119C	46	Rizhao
17C	17	Roach, River
167D	61	Road Bay
167D	61	Road Harbour
173B	60	Roatan Island
85C	34	Robben Island
133D	48	Robe
193A	57	Roberts Arm
149C	52	Roberts Bank
31D	26	Robertsfors
80D	36	Robertsport
51D	30	Rochefort
1C	17	Rochester (England)
187B	56	Rochester (U.S.A.)
17C	17	Rochford
6B	17	Rock Ferry
135B	48	Rockhampton
182C	57	Rockland
183B	57	Rockport (Canada)
182C	57	Rockport (Maine)
182B	58	Rockport (Massachusetts)
188A	56	Rockport (Michigan)
174D	54	Rockport (Texas)
191C	57	Rocky Harbour
169D	60	Rocky Point
40A	25	Rodbyhavn
193B	57	Roddickton
151C	53	Rodeo
87B	35	Rodrigues Island
38D	25	Rodvig
47B	22	Roermond
145C	51	Roes Welcome Sound
21A	21	Rognan
63A	29	Rogotin
62C	31	Rogoznica
36B	26	Rohukula
36C	26	Roja (Rojas Osta)
		Rojas Osta, see Roja Rolf
191A	57	Romaine
67C	29	Romania

Col. No.	Page No.	
108B	44	Romblon
108B	44	Romblon Island
	28	Rome
22B	24	Romsdalsfjord
29B	25	Ronehamn
3B	18	Ronez
119C	46	Rongcheng
114B	46	Rongqi
27B	25	Ronnang
38C	25	Ronne
28D	25	Ronneby
21C	24	Ronningen
34B	26	Ronnskar (Finland)
32A	26	Ronnskar (Sweden)
36A	26	Roomassaare
168B	61	Roosevelt Roads
52A	30	Roque de Thau
54D	30	Roquetas
41C	25	Rordal
39B	25	Rorvig
25C	24	Rorvik (Norway, S.E. coast)
21B	20	Rorvik (Norway, W. coast)
27A	24	Rorvik (Sweden)
159A	64	Rosario (Argentina)
107A	44	Rosario (Philippines)
152B	53	Rosarito Terminal
56A	31	Rosas
50D	18	Roscanvel
50C	18	Roscoff
192B	57	Rose au Rue
191D	57	Rose Blanche
167A	61	Roseau
176D	54	Rosedale (MS)
14A	16	Rosehearty
31A	24	Rosenborg
24A	24	Rosendal
180D	58	Roseton
25A	24	Rosfjord
39B	25	Roskilde
11A	16	Rosneath
	19	Ross
8B	17	Rosslare
43A	23	Rosslau
20D	20	Rost
143C	21	Rosta
37D	25	Rostock
69B	29	Rostov
14D	16	Rosyth
129A	12	Rota (Northern Mariana Islands)
54B	30	Rota (Spain)
129A	12	Rota Island
11B	16	Rothesay
45B	22	Rotterdam
133A	48	Rottneest Island
44B	22	Rottum
138A	49	Rotuma Island
		Rouad Island, see Arwad Island
49D	18	Rouen
	19	Rough
67D	29	Rousse
		Rovigno, see Rovinj
61D	31	Rovinj (Rovigno)
17B	17	Rowhedge
110A	44	Roxas
108D	44	Roxas (Capiz)
2A	17	Royal Sovereign Light
52A	30	Royan
32C	26	Roytta
45B	22	Rozenburg
37A	25	Rozewie
93C	40	Rozi Island
40A	25	Rudkobing
140C	39	Rudnaya Pristan
87C	35	Rufiji River
79D	36	Rufisque
37C	25	Rugen Island
46B	22	Ruhrort
48C	22	Ruisbroek
172A	60	Rum Cay
102C	42	Rumbai

Col. No.	Page No.		Col. No.	Page No.		Col. No.	Page No.		Col. No.	Page No.	
69B	29	Russia (Sea of Azov)	189C	56	St. Clair River (Canada)	52A	30	St. Palais sur Mer	21A	21	Saltal
	15	Russkaya	187D	56	St. Clair River (U.S.A.)	146B	14	St. Paul	21A	21	Saltfjord
29B	25	Rutehamn	186D	57	Ste. Croix	147A	50	St. Paul Harbour	23D	24	Salthella
42D	23	Ruthenstrom	168A	61	St. Croix	184D	57	St. Paul Island (Canada)		19	Saltire
91B	37	Ruwais (Ar Ruays)	14D	16	St. Davids	157C	11	St. Paul Island (French Antarctic Territory)	27A	24	Saltkallan
	35	Rwanda	5C	17	St. David's Head			St. Paul Island (U.S.A.)	6B	17	Saltney
69D	27	Rybinsk (Andropov)	87B	35	St. Denis	146B	14	St. Peter Port	159D	64	Salto
2C	17	Ryde	190D	57	St. Etienne	3A	18	St. Peter's	75C	29	Salum
2A	17	Rye	167C	61	St. Eustatius	184C	57	St. Peter's	161C	62	Salvador
122D	45	Ryotsu	186C	57	St. Fabien	185B	57	St. Peter's Harbour	113A	41	Sam Son
128C	47	Ryukyu Islands		19	St. Fergus	177D	55	St. Petersburg	171C	60	Sama
25A	24	Ryvingen	57B	31	St. Florent	35A	26	St. Petersburg (Leningrad)	168D	61	Samana (Santa Barbara de Samana)
27A	24	Ryxo (Rixo)	85D	34	St. Francis Bay	186D	57	St. Petronille			
			193C	57	St. Francis Harbour	167A	61	St. Pierre (Martinique)	168D	61	Samana Bay
			186D	57	St. Francois	192A	57	St. Pierre (St. Pierre and Miquelon)	155B	62	Samanco Bay
			176C	54	St. Gabriel			St. Pierre and Miquelon	122B	45	Samani
			191B	57	St. Genevieve Bay	192A	57	St. Pierre Island (St. Pierre and Miquelon)	108B	44	Samar Island
			183A	57	St. George	192A	57	St. Pierre Island (St. Pierre and Miquelon)	69C	27	Samara (Kuybyshev)
			65A	32	St. George Harbour (Irakleous Harbour)	87C	35	St. Pierre Island (Seychelles)	131C	48	Samarai
								Saint Quay Portrieux	131C	48	Samarai Island
			179A	55	St. George's (Bermuda)	50C	18	Saint Quay Portrieux	100D	42	Samarinda
			166C	61	St. George's (Grenada)	56D	31	St. Raphael	101C	42	Sambas
			191C	57	St. George's Harbour	186D	57	St. Romuald	101B	42	Sambas, River
			179A	55	St. George's Island	176B	54	St. Rose	87A	35	Sambava
			3C	17	St. Germans	3A	18	St. Sampson	184B	57	Sambro Harbour
			3C	17	St. Germans River	50B	18	St. Servan	121B	46	Samchok
			5B	17	St. Govan's Head	183A	57	St. Stephen	121A	46	Samchonpo
			85B	34	St. Helena and Dependencies	168A	61	St. Thomas	121A	46	Samil
			85C	34	St. Helena Bay	56D	31	St. Tropez	138B	49	Samoa (Samoa)
			85B	34	St. Helena Island	5D	17	St. Tudwal's Roads	151A	50	Samoa (U.S.A.)
			2C	17	St. Helen's	50A	18	St. Vaast la Hougue	63D	29	Samos (Cephalonia Island)
			150D	52	St. Helens	49C	18	St. Valery en Caux	73A	32	Samos (Samos Island)
			3A	18	St. Helier	49B	18	St. Valery sur Somme	73A	32	Samos Island
			4B	17	St. Ives	166C	61	St. Vincent and the Grenadines	66D	32	Samothraki Island
			191D	57	St. Jacques	79B	34	St. Vincent Island	106B	43	Sampaga
			176B	54	St. James	49D	18	St. Wandrille	101B	42	Sampit
			186D	57	St. Jean (Orleans Island)	51D	30	Saint-Hilaire-de-Riez	40C	25	Samsun
			190D	57	St. Jean (Saguenay River)	129A	12	Saipan Island	71B	29	Samsun
			52B	30	St. Jean de Luz	116C	47	Saiqi	111B	41	Samut Sakhon
			183A	57	Saint John	127C	45	Saitozaki	173A	60	San Andres
			168A	61	St. John	124A	45	Saizaki	156C	63	San Antonio (Chile)
			167B	61	St. John's (Antigua and Barbuda)	125A	45	Sakai	159C	64	San Antonio (Paraguay)
			192C	57	St. John's (Canada)	126D	45	Sakaide	55B	28	San Antonio (Spain)
			178B	55	St. Johns River	123B	45	Sakaiminato	158C	63	San Antonio Este
			188B	56	St. Joseph	122C	45	Sakata	61A	28	San Benedetto del Tronto
			177C	54	St. Joseph Bay	140D	39	Sakhalin Island	152D	59	San Blas
			12C	16	St. Kilda	127D	45	Sakito	152C	59	San Carlos (Baja California)
			167C	61	St. Kitts (St. Christopher)	181D	58	Sakonnet River	109A	44	San Carlos (Philippines)
			167C	61	St. Kitts-Nevis	39D	25	Sakskobing	152D	59	San Carlos (Sonora)
			186D	57	St. Lambert Lock	79C	34	Sal Island	55D	28	San Carlos de la Rapita
			162D	62	St. Laurent	36B	26	Salacgriva	53A	30	San Ciprian
			192B	57	St. Lawrence	132C	48	Saladin Terminal	152A	53	San Clemente
			146A	50	St. Lawrence Island	154C	62	Salahonda	129C	49	San Cristobal (Makira Island)
			190C	57	St. Lawrence, River (N. bank)	93A	37	Salakh			
			186B	57	St. Lawrence, River (S. bank)	90B	35	Salalah (Mina Raysut)	152B	53	San Diego
			190B	57	St. Lawrence Seaway (Ontario)	153C	60	Salamar	52D	30	San Esteban de Pravia
			186D	57	St. Lawrence Seaway (Quebec)	131A	48	Salamaua	56A	31	San Felix de Guixols
			193C	57	St. Lewis Inlet	64D	32	Salamis Island	163C	61	San Felix
			79D	36	St. Louis	20B	21	Salangen	158D	64	San Fernando (Argentina)
			177A	54	St. Louis (MO)	155B	62	Salaverry	54B	30	San Fernando (Spain)
			56B	31	St. Louis du Rhone	105A	43	Salawati	166B	61	San Fernando (Trinidad and Tobago)
			166D	61	St. Lucia	93D	40	Salaya			
			167C	61	St. Maarten/St. Martin	3C	17	Salcombe	108A	44	San Fernando Harbour
			50B	18	St. Malo	85C	34	Saldanha Bay	79C	34	San Filipe
			169C	61	St. Marc	89D	35	Saldef	151C	53	San Francisco (U.S.A.)
			191B	57	St. Margaret Bay	142D	14	Salekhard	165A	61	San Francisco (Venezuela)
			12D	16	St. Margaret's Hope	138B	49	Salelologa	151C	53	San Francisco Bay
			191A	57	St. Marguerite, River	182B	58	Salem (Massachusetts)	151B	53	San Joaquin River
			87A	35	St. Marie Island	180B	58	Salem (New Jersey)	78A	34	San Jorge Island
			177D	54	St. Marks	59B	31	Salerno	60	San Jose (Costa Rica)	
			51D	30	St. Martin de Re	62C	31	Sali	153B	59	San Jose (Guatemala)
					St. Martin, see St. Maarten	56B	31	Salin de Giraud	106D	44	San Jose (Philippines)
			183A	57	St. Martins	59B	28	Salina (Italy)	108D	44	San Jose de Buenavista
			192B	57	St. Marys	166A	61	Salina (Netherlands Antilles)	152C	59	San Jose del Cabo
			4B	17	St. Mary's (England)	153B	59	Salina Cruz	83C	36	San Juan (Equatorial Guinea)
			178B	55	St. Mary's (U.S.A.)	59B	28	Salina Island	155C	62	San Juan (Peru)
			183D	57	St. Mary's Bay	78C	34	Salinas (Canary Islands)	168B	61	San Juan (Puerto Rico)
			4B	17	St. Mary's Island	154D	62	Salinas (Ecuador)	54B	30	San Juan de Aznalfarache
			189A	56	St. Marys River (Canada)	161D	62	Salineiro Terminal	152C	59	San Juan de la Costa
			188D	56	St. Marys River (U.S.A.)	162A	62	Salinopolis	52D	30	San Juan de Nieva
			56D	31	St. Maxime	179C	58	Salisbury	172D	60	San Juan del Norte
			146A	50	St. Michael	32B	26	Salmis	153D	60	San Juan del Sur
			78B	34	St. Michael's (San Miguel) Island	54D	30	Salobrena	164A	61	San Juan Griego
			165D	61	St. Michiel's Bay	108A	44	Salomague	149D	52	San Juan Island
			14C	16	St. Monans	79D	36	Salonica, see Thessaloniki	163D	61	San Juan, River
			51B	30	St. Nazaire	31C	24	Saloum, River	158B	63	San Julian
			191A	57	St. Nicholas	31C	24	Salsaker	159A	64	San Lorenzo (Argentina)
			79C	34	St. Nicholas Island	21B	20	Salsbruket	154C	62	San Lorenzo (Ecuador)
			29B	25	St. Olofsholm	172A	60	Salt Cay	153C	60	San Lorenzo (Honduras)
						15D	16	Salt End	165A	61	San Lorenzo (Venezuela)
						169D	60	Salt River	151D	53	San Luis Obispo Bay
						18A	20	Saltangara	152C	59	San Marcos Island
						3C	17	Saltash			
						15D	16	Saltburn-by-the-Sea	159B	64	San Martin

ALPHABETICAL INDEX

159

Col. No.	Page No.		Col. No.	Page No.		Col. No.	Page No.		Col. No.	Page No.	
53D	28	San Martinho	57C	28	Sant' Antioco	111C	41	Sattahip	130D	48	Seadler Harbour
		San Miguel Island, see St. Michael's Island	57C	28	Sant' Antioco Island	101A	42	Satui	130A	49	Seghe Point
159A	64	San Nicolas (Argentina)	151D	53	Santa Barbara	160A	64	Sauce	72A	32	Seimen
155C	62	San Nicolas (Peru)			Santa Barbara de Samana, see Samana	24C	24	Sauda	49C	18	Seine, River
165D	61	San Nicolas Bay	152A	53	Santa Catalina Island	18D	20	Saudarkrokur	39B	25	Sejero
151B	53	San Pablo Bay	160B	64	Santa Clara	91C	37	Saudi Arabia (Persian Gulf)	128C	45	Seki Saki
159A	64	San Pedro (Argentina)	158B	63	Santa Cruz (Argentina)	89C	35	Saudi Arabia (Red Sea)	122B	45	Sekinehama
173C	60	San Pedro (Belize)	78A	34	Santa Cruz (Flores Island)	96C	40	Saugor Island	81B	36	Sekondi
81A	36	San Pedro (Ivory Coast)	78A	34	Santa Cruz (Graciosa Island)	189A	56	Sault Ste. Marie (Canada)	102D	42	Sekupang
152A	53	San Pedro (U.S.A.)			Santa Cruz (Marinduque Island)	188D	56	Sault Ste. Marie (U.S.A.)	74C	33	Selaata
169A	61	San Pedro de Macoris	107B	44	Santa Cruz (U.S.A.)	104D	43	Saumlaki	102D	42	Selajar Island
55A	28	San Pedro del Pinatar	151D	53	Santa Cruz (Luzon Island)	5B	17	Saundersfoot	98C	42	Selat Sinki
57C	28	San Pietro Island	108A	44	Santa Cruz de la Palma	151B	53	Sausalito	102C	42	Selatpanjang
170C	60	San Ramon	79A	34	Santa Cruz de Tenerife	68A	29	Sava, River	26C	24	Selbak
57D	31	San Remo	78D	34	Santa Cruz del Sur	185B	57	Savage Harbour	23D	24	Selbjornen
54C	30	San Roque	170D	60	Santa Cruz Islands	138B	49	Savaii Island	23D	24	Selbjornfjord
		San Salvador	129C	49	Santa Cruz Islands	165B	60	Savanilla	16A	16	Selby (England)
172A	60	San Salvador Island	53B	30	Santa Eugenia de Riveira	170A	60	Savanna la Mar	151C	53	Selby (U.S.A.)
79A	34	San Sebastian (Canary Islands)	159B	64	Santa Fe	178C	55	Savannah	147B	50	Seldovia
		San Sebastian (Spain)	129D	49	Santa Isabel Island	178C	55	Savannah River	98B	42	Seletar
158A	63	San Sebastian Terminal	58C	31	Santa Liberata	32A	26	Savenas	22C	24	Selje
107A	44	San Teodoro	171A	60	Santa Lucia	145A	14	Savissivik	19	19	Selkirk
156D	63	San Vicente (Chile)	61C	31	Santa Margherita (Italy, N.E. coast)	58A	31	Savona	2B	17	Selsey Bill
107D	44	San Vicente (Philippines)			Santa Margherita (Italy, N.W. coast)	34D	26	Savonlinna	67A	32	Selvi Burnu
		Sana	58A	31	Santa Maria	138A	49	Savusavu	101C	42	Semangka Bay
		Sanae	79C	34	Santa Maria Island	138A	49	Savusavu Bay	101C	42	Semangka Bay Terminal
56C	31	Sanary-sur-Mer	78B	34	Santa Marta	181C	58	Saybrook	103D	42	Semarang
115C	47	Sanbaimen	165B	60	Santa Monica	180C	58	Sayreville	99A	42	Sematan Anchorage
117D	47	Sanbing	152A	53	Santa Panagia (Melilli)	84D	36	Sazaire Terminal	98B	42	Sembawang
114A	46	Sanbu	60A	28	Santa Pola	13A	16	Scalloway	102B	42	Sembilan Island
169A	61	Sanchez	55B	28	Santa Rosa de Aguan	19	19	Scapa (North Sea Terminals)	98A	41	Sembilan Islands
24C	24	Sand	173A	60	Santa Rosalia	12D	16	Scapa (Scotland)	81C	36	Seme Terminal
146C	14	Sand Bay	152C	59	Santa Teresa Gallura	12D	16	Scapa Flow	69B	27	Semikarakorsk
178A	55	Sand Key	57B	31	Santan Terminal	15D	17	Scarborough (England)	106D	44	Semirara Island
146D	50	Sand Point	100D	42	Santana	166C	61	Scarborough (Trinidad and Tobago)	100B	42	Semporna
100B	42	Sandakan	162B	62	Santander	59B	28	Scario	148D	52	Senanus Island
22D	24	Sandane	52D	30	Santarem	12C	16	Scarp	126B	45	Sendai
30D	24	Sandarne	162B	62	Santiago (Chile)	47D	22	Scheldt (Schelde), River	126B	45	Sendai-Shiogama
13A	16	Sanday	170C	60	Santiago (Cuba)	47C	22	Scheldt-Rhine Canal	79D	36	Senegal
26A	24	Sande	79C	34	Santiago Island	48B	22	Schelle	61A	31	Senigallia
25D	24	Sandefjord	137D	49	Santo	45A	22	Scheveningen	100D	42	Senipah Terminal
49B	18	Sandette Light Vessel	79B	34	Santo Antao Island	60C	29	Schiavonia	62B	31	Senj
2A	17	Sandgate	83C	36	Santo Antonio	45A	22	Schie Canal	123B	45	Senzaki
19C	20	Sandgerdhi	169A	61	Santo Domingo	45B	22	Schiedam	121A	46	Seogwipo
28C	25	Sandhammaren	108B	44	Santo Nino	44B	22	Schiermonnikoog	46	46	Seoul
14A	16	Sandhaven	108B	44	Santo Nino Island	38B	65	Schleswig	160D	64	Sepetiba
96C	40	Sandheads	173B	60	Santo Tomas de Castilla	37D	25	Schliutup	160D	64	Sepetiba Bay
24C	24	Sandnes	52D	30	Santona	19	19	Schooner			Sept Iles, see Seven Islands
21B	20	Sandnessjoen	160C	64	Santorini Island, see Thira Island	48A	22	Schoten	105C	43	Seram Island
31C	24	Sando	52C	30	Santos	165D	61	Schottgat	103B	42	Serang
97A	41	Sandoway	113D	41	Sanya (Ya Xian)	47C	22	Schouwen			Serbia (29)
17D	20	Sandoy	161C	62	Sao Francisco do Norte River	43A	23	Schulau	99C	43	Seria Terminal
17D	20	Sandsfjordur (Sans Vaag)	160C	64	Sao Francisco do Sul	42D	65	Schull, see Skull	65A	32	Serifos
21D	24	Sandstad	162A	62	Sao Luiz de Maranhao	59D	28	Sciaccia	65A	32	Serifos Island
116C	47	Sanduo	85A	34	Sao Nicolau, River	59C	28	Scilla	83B	36	Serpentina Terminal
19B	20	Sandur	161B	62	Sao Roque	182A	58	Scituate	173A	60	Serrana Bank
187C	56	Sandusky	160D	64	Sao Sebastiao	60A	28	Scoglitti	61C	31	Servola
17D	20	Sandvagur	160D	64	Sao Sebastiao Island	28	28	Scoresby Sound, see Ittoqqortoormiit	53D	28	Sesimbra
25B	24	Sandvik (Norway, S.E. coast)	83C	36	Sao Tome	59C	28	Scotia Bay	32B	26	Seskaro Island
		Sandvik (Norway, W. coast)	83C	36	Sao Tome and Principe	12C	16	Scotland	100C	42	Sessayap
32B	26	Sandvik (Seskaro Island)	83C	36	Sao Tome Island	10A	16	Scott (Antarctica)	52C	30	Sestao
31D	24	Sandvik (Sweden, N.E. coast)	56B	31	Saone, River	15	15	Scott (North Sea Terminals)	58A	31	Sestri Levante
		Sandvika	100A	42	Sapangar Bay	19	19	Scott (North Sea Terminals)	58A	31	Sestri Ponente
29D	24	Sandviken (Braviken)	81D	36	Sapele	19	19	Scrabster	182A	58	Sesuit Harbour
29A	25	Sandviken (Oland Island)	178C	55	Sapelo Island	19	19	S.E. Tor	101A	42	Setagin
31B	24	Sandviken (Sweden, N.E. coast)	63C	29	Sarajevo	82B	36	Sea Eagle Terminal	56B	31	Sete
		Sandwich (England)	131A	48	Sarang	92D	37	Sea Island Terminal (Iran)	124A	45	Setoda
182A	58	Sandwich (U.S.A.)	110B	44	Sarangani Bay	92A	37	Sea Island Terminal (Kuwait)	54A	28	Setubal
13B	16	Sandwick	69C	27	Saratov	70B	29	Sea of Azov	69A	29	Sevastopol
180C	58	Sandy Hook	99A	42	Sarawak	71C	32	Sea of Marmara	191A	57	Seven Islands (Sept Iles)
166C	61	Sandy Point (Trinidad and Tobago)	99A	42	Sarawak River	2B	17	Seaford	4D	17	Severn, River
		Sandy Point (U.S.A.)	72B	32	Saraylar	7A	17	Seaforth	142A	39	Severo Kurilsk
88C	35	Sanganeb Anchorage	57B	31	Sardinia (Sardegna)	15C	16	Seaham	143B	21	Severodvinsk (Molotovsk)
100D	42	Sangasanga	99B	42	Sarikei	145C	51	Seahorse Point	143C	21	Severomorsk
83D	36	Sangatanga	74A	33	Sariseki			Seahouses, see North Sunderland	54B	30	Seville
100D	42	Sangatta Terminal	3A	18	Sark			Seaside	147B	50	Seward
53B	30	Sangenjo	189C	56	Sarnia			Seaside	180C	58	Sewaren
109B	44	Sangi	28A	25	Saro			Seaside	179B	58	Sewells Point
105D	43	Sangihe Island	26C	24	Sarpsborg			Seaside	174A	59	Seybaplaya
103D	42	Sangkapura	57C	28	Sarroch			Seaside	87B	35	Seychelles
100C	42	Sangkulirang	58B	31	Sarzana			Seaside	18C	20	Seydhisfjordur
80A	36	Sangomar Point	48D	22	Sas van Ghent			Seaside	65C	32	Sfakia
84C	36	Sanha Terminal	47C	22	Sas van Goes			Seaside	64B	29	Sfaktiria Island
29C	24	Sankt Anna	110B	44	Sasa			Seaside	76C	28	Sfax
54B	30	Sanlucar de Barrameda	127D	45	Sasebo			Seaside	45D	22	'sGravendeel
54B	30	Sanlucar de Guadiana	81A	36	Sassandra			Seaside	45A	22	'sGravenhage (Den Haag, The Hague)
26C	24	Sannesund	37D	25	Sassnitz			Seaside	116A	47	Sha Lung
52D	30	Sanovia	154C	62	Satinga			Seaside	146C	14	Shagak Bay
		Sans Vaag, see Sandsfjordur	128C	45	Satsunan Islands			Seaside	140D	39	Shakhtersk
								Seaside	11A	16	Shandon
								Seaside	117A	47	Shanghai
								Seaside	120B	46	Shanhaiguan
								Seaside	9B	17	Shannon River
								Seaside	115C	47	Shantou
								Seaside	115C	47	Shanwei

Col. No.	Page No.		Col. No.	Page No.		Col. No.	Page No.		Col. No.	Page No.	
13A	16	Shapinsay	3B	17	Sidmouth	66C	32	Skiathos Island	167D	61	Sombrero
90D	37	Sharjah (Mina Khalid)	148D	52	Sidney	9A	17	Skibbereen	178A	55	Sombrero Key
132D	48	Shark Bay	74D	33	Sidon (Saida)	25D	24	Skien	181D	58	Somerset (MA)
89B	33	Sharm el Sheikh	37D	25	Siems	25C	24	Skien, River	49B	18	Somme, River
89C	33	Sharmah	80C	36	Sierra Leone	76D	28	Skikda	26C	24	Son (Soon)
116C	47	Sharp Peak Island	80C	36	Sierra Leone River	28C	25	Skillinge	25C	24	Sondeled
5A	17	Sharpness	65A	32	Sifnos Island	33C	26	Skinnarvik	40D	25	Sonderborg
118D	47	Shashi	102A	42	Sigli	15D	17	Skinningrove	144C	14	Sondre Stromfjord
114D	46	Shatian	18D	20	Siglufjordur	42A	25	Skive	141C	39	Songhua River
92B	37	Shatt al Arab	72C	32	Sigri	20A	21	Skjervoy	117B	47	Songjiang
188C	56	Sheboygan	30A	24	Sigtuna	19	19	Skjold	121D	46	Songjin (Kimchaek)
185C	57	Shediac	111C	41	Sihanoukville (Kompong Som)	23A	24	Skjolden	121C	46	Songjon
1D	17	Sheerness	35A	26	Siinjarvi	144A	14	Skjoldungen	110D	41	Songkhla
184B	57	Sheet Harbour	99A	42	Sijingkat	33D	26	Skogby	120C	46	Songnim
189B	56	Sheguindah	31D	26	Sikea	27D	24	Skoghall	116B	47	Songxia
115A	46	Shekou	93C	40	Sikka	34B	26	Skoldvik (Kilpilahti)	93B	40	Sonmiani
183D	57	Shelburne	100B	42	Silam	37B	25	Skolwin	93B	40	Sonmiani Bay
142A	39	Shelikhova Bay	71C	29	Sile	20D	20	Skomvaer	184B	57	Sonora
1B	17	Shell Haven	73D	33	Silifke	31B	24	Skonvik			Soon, see Son
149C	52	Shellburn	67D	29	Silistra	66C	32	Skopelos	37A	25	Sopot
185C	57	Shemogue	67A	32	Silivri	66C	32	Skopelos Island	193B	57	Sops Arm
146C	14	Shemya Island	35C	26	Sillamae	27A	24	Skopje	130B	49	Soraken
116A	47	Shenao	33A	26	Sillgrund	17D	20	Skopun	31B	24	Soraker
63B	29	Shengjin	7C	17	Silloth	27A	24	Skredsvik	186D	57	Sorel
116D	47	Shenjiamen	147D	52	Silver Bay	132A	48	Skua Terminal	20D	21	Sorfalla
114D	46	Shenzhen	101D	42	Simeulue Island	24B	24	Skudeneshavn	34A	26	Sornaisten
80D	36	Sherbro River	73B	32	Simi Island	9A	17	Skull (Schull)	105B	43	Sorong
184B	57	Sherbrooke	85D	34	Simonstown	36B	26	Skulte	92D	37	Soroosh (Cyrus)Terminal
47A	22	'sHertogenbosch (Den Bosch)	29A	25	Simpevarp	34A	26	Skuru	20A	21	Soroy
13A	16	Shetland Islands	28C	25	Simrishamn	32B	26	Skuthamn	20B	21	Sorreisa
142A	39	Shiashkotan Island	142A	39	Simushir Island	30C	24	Skutskar	59A	31	Sorrento
125D	45	Shibaura	101D	42	Sinabang	66A	32	Skyros Island	107B	44	Sorsogon
128B	45	Shibushi	13C	16	Sinclair's Bay	26A	24	Slagen	20C	21	Sortland
119C	46	Shidao	175A	54	Sinco	85D	34	Slangkop Point	17D	20	Sorvagur
124A	45	Shigei	79D	36	Sine, River	140B	39	Slavyanka	69C	27	Sosnovka
119C	46	Shijiusuo	54A	30	Sines	19	19	Sleipner East	168D	61	Sosua
124C	45	Shikama	98B	42	Singapore	19	19	Sleipner West	166D	61	Soufriere
126C	45	Shikoku	101B	42	Singawang	41B	25	Slemmestad	12C	16	Sound of Harris
142B	39	Shikotan	101D	42	Singkel	45D	22	Sletterhage	11D	16	Sound of Mull
142B	39	Shikotan Island	102D	42	Singkep Island	9D	17	Sliedrecht	74D	33	Sour (Tyr)
114D	46	Shilong	71B	29	Sinop	45C	22	Slikerveer	185B	57	Souris
122A	45	Shimamaki	121D	46	Sinpo	29B	25	Slite	64D	32	Sousaki
123B	45	Shimane	101C	42	Sintete			Sloehaven, see Flushing East	76C	28	Sousse (Susa)
125C	45	Shimizu	80D	36	Sinu Bay	26D	24	Slottet	85C	34	South Africa
125D	45	Shimoda	145A	14	Siorapaluk	27D	24	Slottsbron	180C	58	South Amboy
123B	45	Shimonoseki	100A	42	Sipitang	29	29	Slovakia	97B	40	South Andaman Island
127C	45	Shimonoshima	34A	26	Sipoo (Sibbo)	61C	31	Slovenia	133A	48	South Australia
125A	45	Shimotsu	101D	42	Sipura Island	48C	22	Sluiskil	15D	16	South Bank
90C	37	Shinas	60A	28	Siracusa (Syracuse)	9C	17	Slyne Head	150B	52	South Bend
125A	45	Shingu	93A	37	Sirri Island	163A	62	Smalkalden	182D	57	South Brewer
		Shinminato, see Toyama	76A	29	Sirte	5C	17	Smalls Light	182C	57	South Bristol
		Shinko	174A	59	Sisal	143D	14	Smeerenburgfjord	2A	17	South Carolina (SC)
126B	45	Shiogama	144C	14	Sisimiut (Holsteinsborg)	175B	54	Smith's Bluff	178C	55	South Foreland
184B	57	Ship Harbour	61C	31	Sistiana	27A	24	Smogen	2A	17	South Georgia
177B	54	Ship Island	110D	44	Sitangkai	29B	25	Smojen	157D	15	South Haven
185D	57	Shippegan	56A	28	Sitges	28C	25	Smygehuk	136C	49	South Island
116C	47	Shipu	65B	32	Sitia	17A	17	Snap Bridge	16C	16	South Killingholme
114C	46	Shiqiao	98A	41	Sitiawan	41A	25	Snaptun	120D	46	South Korea
127C	45	Shirashima	147D	52	Sitka	44C	22	Sneek	176B	54	South Louisiana
122B	45	Shirya	91C	37	Sitra	39A	25	Snekkersten	185C	57	South Nelson
122A	45	Shizuura	91C	37	Sitra Island	187A	57	Snell Lock	157D	15	South Orkney Islands
35B	26	Shlisselburg (Petrokrepost)	1D	17	Sittingbourne	16D	17	Snettisham	175D	54	South Pass
124C	45	Shodoshima	97A	40	Sittwe (Akyab)	1C	17	Snodland	14D	16	South Queensferry
2B	17	Shoreham	104A	42	Situbondo (Silanga)	41A	25	Snoghoj	172B	60	South Riding Point
130B	49	Shortland Harbour	141B	14	Siziman	19	19	Snorre	12D	16	South Ronaldsay
130B	49	Shortland Island	38D	25	Sjaelland	40B	25	Soby	157D	15	South Shetland Islands
6B	17	Shotton	27D	24	Sjotorp	70C	29	Sochi	15C	16	South Shields
176C	54	Shreveport Bossier	20B	21	Sjovegan	138D	13	Society Islands	5D	17	South Stack
92A	37	Shuaiba	23C	24	Skaalevik	90A	35	Socotra (Suqutra) Island	12A	16	South Strome
142B	14	Shubertovo	24A	24	Skaanevik	30D	24	Soderhamn	12B	16	South Uist
113D	41	Shuidong	68D	29	Skadovsk	29D	24	Soderkoping	12D	16	South Walls
142A	39	Shukina Bay	39C	25	Skaelskor	30A	24	Sodertalje			South West Africa, see Namibia
142A	39	Shumshu Island	41A	25	Skaerbaek	23A	24	Sogndal	135A	48	South West Rocks
114C	46	Shunde			Skagastrom, see Hofdhakaupstadur	25A	24	Sogne	2D	17	Southampton
92B	37	Shuwaikh	41D	25	Skagen	23A	24	Sognefjord	145C	51	Southampton Island
143B	21	Shuya	31D	24	Skagenshamn	90B	37	Sohar	2C	17	Southampton Water
107D	44	Siaian	147C	52	Skagway	121C	46	Sohojin Harbour	1B	17	Southend-on-Sea
102C	42	Siak	18A	20	Skalafjordur	100C	42	Sokan	7A	17	Southport (England)
102C	42	Siak River	20B	21	Skaland	121C	46	Sokcho	136D	49	Southport (New Zealand)
111B	41	Siam Seaport	18A	20	Skali	89A	33	Sokhna	178D	58	Southport (U.S.A.)
109C	44	Siargao Island	65A	32	Skaramanga	24D	24	Sola	175D	54	Southwest Pass
110D	44	Siasi	27B	25	Skarhamn	184D	57	Soldiers Cove	17A	17	Southwold
110C	44	Siasi Island	42A	25	Skarrehage	57A	31	Solenzara	60C	29	Soverato
105D	43	Siau Island	27D	24	Skattkarr	22C	24	Solevaag	36D	26	Sovetsk
		Sibbo, see Sipoo	41D	25	Skaw	62C	29	Solin	140D	39	Sovetskaya Gavan
62C	31	Sibenik	163B	62	Skeldon	55C	28	Soller	21B	20	Sovik
101D	42	Siberut Island	32A	26	Skelleftea	143A	21	Solombola	84D	36	Soyo
101D	42	Sibolga	32A	26	Skelleftehamn	129C	49	Solomon Islands	67B	32	Sozopol
170C	60	Siboney	19	19	Skene	62D	29	Solta Island	44D	22	Spaarndam
99B	42	Sibu	19B	20	Skerjafjordur	5C	17	Solva	54A	30	Spain
59C	28	Sicily (Sicilia)	8B	17	Skerries	28D	25	Solvesborg	52B	30	Spain (Atlantic)
105C	43	Sidangoli	6A	17	Skerries Light	126B	45	Soma	54C	28	Spain (Mediterranean)
77A	28	Sidi Ghiles	11D	16	Skerryvore	88A	35	Somalia			Spalato, see Split
78A	34	Sidi Ifni	66C	32	Skiathos	189C	56	Sombra	179C	58	Sparrows Point
75C	33	Sidi Kerir Terminal							166D	61	Speightstown
									133B	48	Spencer Gulf

ALPHABETICAL INDEX

161

Col. No.	Page No.		Col. No.	Page No.		Col. No.	Page No.		Col. No.	Page No.	
27C	24	Spesshult	2A	17	Stour, River (Kent)	22A	24	Sunnaldsfjord	150A	52	Tacoma
64C	32	Spetsai Island	29C	25	Straa	22A	24	Sunnaldsora	189A	56	Taconite Harbour
46D	20	Speyer	134B	48	Strahan	178D	58	Sunny Point	126D	45	Tadotsu
43D	22	Spiekeroog	193C	57	Strait of Belle Isle	176C	54	Sunshine	190D	57	Tadoussac
45D	22	Spijk (Spyk)	157B	63	Strait of Magellan	62C	29	Supaval Bay	94C	40	Tadri
65B	32	Spinalonga	37D	25	Stralsund	155B	62	Supe	120D	46	Taeon
143D	14	Spitsbergen	41D	25	Strandby	188D	56	Superior	120C	46	Taedong River
22B	24	Spjelkavik	8A	17	Strangford	62D	29	Supetar			Taesan, see Daesan
62D	29	Split (Spalato)	7D	17	Strangford Lough	70D	29	Supsa Terminal	176B	54	Taft
193C	51	Spotted Island	30A	24	Strangnas			Suqutra Island, see	36A	26	Taga Bay
46A	22	Spoj Canal	10B	17	Stranraer			Socotra Island	110B	44	Tagabuli Bay
189B	56	Spragge	47A	20	Strasbourg	90B	37	Sur	110C	44	Taganito
31B	24	Sprangsviken	145D	14	Strathcona Sound	104A	42	Surabaya	69B	29	Taganrog
134B	48	Spring Bay			Strathspey	103B	42	Suralaya	109B	44	Tagbiliran
193B	57	Springdale	66C	32	Stratoni	94A	40	Surat	61B	31	Taglio di Po
184B	57	Spry Harbour	68B	66	Straubing	111A	41	Surat Thani	109D	44	Tagoloan
15D	16	Spurn Head	19C	20	Straumsvik	109C	44	Surigao	125C	45	Tagonoura
		Spyk, see Spijk	18A	20	Strendur	163A	62	Suriname	108A	44	Tagudin
149B	52	Squamish	17D	20	Streyrnnes	163A	62	Suriname River	131B	48	Tagula Island
95B	40	Sri Lanka	17D	20	Streyrnmoey	71A	29	Surmene	53D	28	Tagus (Rio Tejo), River
111B	41	Sriracha	40C	25	Strib	27C	25	Surte	125C	45	Tahara
94B	40	Srivardhan Bay	38D	25	Stroby			Susa, see Sousse	135D	49	Taharua Terminal
42D	23	Stade	12D	16	Stroma	127A	45	Susaki	138D	13	Tahiti Island
43A	23	Stadersand	59B	28	Stromboli Island	147A	50	Susitna	33B	26	Tahkoluoto
132B	48	Stag Terminal	33D	26	Stromma	190C	57	Sutherland Pier	148D	52	Tahsis
15D	17	Staithe	31B	24	Stromnas	16D	17	Sutton Bridge	105D	43	Tahuna
30A	24	Stallarholmen	12D	16	Stromness	129C	49	Su'u Harbour	117B	47	Taicang
27C	24	Stallbacka	26D	24	Stromstad	137D	49	Suva	116A	47	Taichung
181C	58	Stamford	11A	16	Strone Point	121B	46	Suyong	10D	16	Tail of Bank
20C	20	Stamsund	13A	16	Stronsay	117B	47	Suzhou	116A	47	Tainan
1C	17	Stangate Creek	12A	16	Strontian	62A	31	Sv. Mikula	139A	13	Taiohae
134B	48	Stanley	1C	17	Strood	143C	14	Svalbard	116A	47	Taipei
157D	63	Stanley Harbour	42A	25	Struer	18C	20	Svalbardhseyri	46		Taipei
6C	17	Stanlow	22D	24	Stryn	38C	25	Svaneke	114D	46	Taiping
17C	17	Stansgate	39D	25	Stubbekobing	31C	24	Svanon	115D	47	Taiwan
180D	58	Stapleton	41B	25	Studstrup	34B	26	Svartback	117C	47	Taixing
62D	29	Stari Grad	29D	24	Studsvik	34B	26	Svartholm	117C	47	Taizhou
3C	17	Start Point	30D	24	Stugsund	31A	24	Svartvik			Tajikistan
180C	58	Staten Island	23B	24	Sture	34A	26	Sveaborg	103D	42	Taju
13B	19	Statfjord	188C	56	Sturgeon Bay	143D	14	Sveagruva	123A	45	Takahama
25C	24	Stathelle	28D	25	Sturko	22D	24	Svelgen	127A	45	Takamatsu
21C	20	Statland	46B	22	Sturzelburg	26A	24	Svelvik	139A	13	Takarao
24D	24	Stavanger	19A	20	Stykkisholmur			Svend	124C	45	Takasago
47C	22	Stavenisse	66B	32	Stylis	40B	25	Svendborg	110D	41	Takbai
63D	29	Stavros	112B	41	Su Tu Den Terminal	62B	31	Sveti Juraj	124A	45	Takehara
105A	43	Steenkool	99B	43	Suai	140D	39	Svetlaja River	81B	36	Takoradi
44C	22	Steenwijk	88C	35	Suakin (Swakin)	36D	26	Svetlyy	97C	41	Takua Pa
38D	25	Stege	108A	44	Sual	36A	26	Sviby	84B	36	Takula Terminal
26B	24	Steilene	52D	30	Suances	35B	26	Svir, River	126D	45	Takuma
21C	24	Steinkjer	116A	47	Suao	20C	21	Svolvaer	95D	40	Talaimannar
23A	24	Steinsund	161C	62	Suape			Swakin, See Suakin	58C	31	Talamone
47B	22	Stellendam	110A	44	Suba Nipa	85C	34	Swakopmund	155A	62	Talara
133C	48	Stenhouse Bay	108B	44	Subic Bay	47A	22	Swalmen	105D	43	Talau Island
27A	24	Stensjo	65C	32	Suda Bay	173A	60	Swan Islands	156C	63	Talcahuano
27B	25	Stenungsund	88B	35	Sudan	2D	17	Swanage	105D	43	Taliabu Island
191C	57	Stephenville	19A	20	Sudhureyri	5B	17	Swansea	109B	44	Talibon
37B	25	Stepnica	17C	20	Suduroy	35		Swaziland	132B	48	Talisman Terminal
38D	25	Stevns Pier	83A	36	Suellaba	26D	20	Sweden	19A	20	Talknafjordur
148B	52	Stewart	75B	67	Suez	37B	25	Swinoujscie	168C	61	Tallaboa Bay
157C	63	Stewart Island (Chile)	75A	67	Suez Canal			Switzerland	35D	26	Tallinn
136D	49	Stewart Island (New Zealand)	19A	20	Sugandafjordur	12D	16	Swona	156A	63	Taltal
			73D	33	Sugoju	135A	48	Sydney (Australia)	126C	45	Tamagawa
97B	40	Stewart Sound	151B	53	Suisun Bay	184D	57	Sydney (Canada)	134A	48	Tamar, River (Australia)
39C	25	Stigsnaesvaerkets Havn	70D	29	Sukhumi (Sukhum)			Sydproven, see Alluitsup	3C	17	Tamar, River (England)
14D	16	Stirling	127A	45	Sukhumo Bay			Paa	80C	36	Tamara Island
		Stirling			Sukkertoppen, see	22C	24	Sykkylven	80C	36	Tamara Port
20A	21	Stjernoy			Maniitsoq	42B	23	Sylt Island	97C	40	Tambeibui
21D	24	Stjordal	127A	45	Sukumo			Syowa	142D	14	Tambey
31A	24	Stocka	105D	43	Sula Islands			Syracuse, see Siracusa	142D	14	Tambey, River
30B	24	Stockholm	106A	43	Sulawesi	74B	33	Syria	100B	42	Tambisan Island
30B	24	Stocksund	12C	16	Sule Skerry	65D	32	Syros	155C	62	Tambo de Mora
151B	53	Stockton	67C	29	Sulina	65D	32	Syros Island	110B	44	Tambongon (Tambungon)
182C	57	Stockton Springs	13A	16	Sullom Voe	69C	27	Syzran	174C	59	Tamesi River
31A	24	Stockvik	101C	42	Sumatera	37B	25	Szczecin	33D	26	Tammisaari (Ekenas)
18B	20	Stodhvarfjordur	104C	43	Sumba Island				177D	55	Tampa
2C	17	Stokes Bay	104C	42	Sumbawa Island				174C	59	Tampico
19C	20	Stokkseyri	85A	34	Sumbe				114A	46	Tan Jiang
21C	24	Stokksund	13A	16	Sumburgh Head				78A	34	Tan Tan
20C	21	Stokmarknes	103D	42	Sumenep Bay				112A	41	Tan Thuan Dong
14B	16	Stonehaven	128A	45	Suminoe				125A	45	Tanabe
188A	56	Stoneport	34C	26	Summa	33C	26	Taalintehdas	146C	14	Tanaga Bay
180D	58	Stony Point	185B	57	Summerside	39A	25	Taarbaek	146C	14	Tanaga Island
30D	24	Stor Orrskar	124D	45	Sumoto	40B	25	Taasinge	101A	42	Tanahgrogot
42C	65	Stor, River	101C	42	Sunda Strait	107C	44	Tabaco	101A	42	Tanahmerah
32D	26	Stora Granskar	42A	25	Sundby	107B	44	Tabangao	171C	60	Tanamo
30B	24	Stora Vika	15C	16	Sunderland	76D	28	Tabarka	24D	24	Tanager
24B	24	Storasund	31B	24	Sundsbruk	162C	62	Tabatinga	108C	44	Tanauan
23D	24	Stord	31A	24	Sundsvall	85C	34	Table Bay	49C	18	Tancarville
23D	24	Stordoy	98A	41	Sungai Udang	109D	44	Tablon	80B	36	Tancruel
23C	24	Store Sotra	102B	42	Sungei Bila	154B	60	Taboga	110C	44	Tandag
22B	24	Storfjord	103A	42	Sungei Gerong	154B	60	Taboguilla Island	107C	44	Tandoc
32A	26	Storfors	103A	42	Sungei Liat	101A	42	Taboneo	87D	35	Tanga
32A	26	Storkage	99B	42	Sungei Merah	81A	36	Tabou	137B	49	Tangadiou
12C	16	Stornoway	105A	43	Sungei Muturi	139C	13	Tabuaeran (Washington Island)			Tanger, see Tangier
32D	26	Storonsund	102C	42	Sungei Pakning				120A	46	Tanggu
29C	25	Storugns	99B	42	Sungei Rajang	127A	45	Tachibana	141B	14	Tangi
17B	17	Stour, River (Essex)	34B	26	Sunila	108C	44	Tacloban	184B	57	Tangier

Col. No.	Page No.		Col. No.	Page No.		Col. No.	Page No.		Col. No.	Page No.	
77C	30	Tangier (Tanger)	4C	17	Taw, River	19		Theddlethorpe	148D	52	Tofino
120D	46	Tangjin Hwaryok	100B	42	Tawau	19		Thelma	26B	24	Tofte
120B	46	Tangshan (Jingtang)	110D	44	Tawitawi Island	69A	29	Theodosia (Feodosiya)	18A	20	Toftir
104D	43	Tanimbar Islands	14B	16	Tay, River	189B	56	Thessalon	13B	16	Tofts Voe
97B	41	Tanintharyi	14C	16	Tayport	66C	32	Thessaloniki (Salonica)	146A	50	Togiak
97B	41	Tanintharyi River	76C	28	Tazerka Terminal	133B	48	Thevenard	81C	36	Togo
128B	45	Taniyama	27		Tbilisi	112B	41	Thi Vai River	154B	62	Togoroma
100B	42	Tanjong Batu	72D	32	Tcham Bay	97A	41	Thilawa	97C	40	Toibalewe
98D	41	Tanjong Berhala	83D	36	Tchatamba Terminal	38		Thimpu	35C	26	Toila
98A	41	Tanjong Bruas	37A	25	Tczew	19A	20	Thingeyri	122B	45	Tokachi
97D	41	Tanjong Dawai	19		Teal	88B	34	Thio (Eritrea)	126A	45	Tokai
98D	41	Tanjong Gelang	174B	59	Tecolutla	137B	49	Thio (New Caledonia)	139A	49	Tokelau
99B	42	Tanjong Kidurong	15C	16	Tees	65C	32	Thira	136B	49	Tokomaru
99B	42	Tanjong Manis	15C	16	Tees, River	65C	32	Thira (Santorini) Island	127A	45	Tokushima
98C	42	Tanjong Pagar	15D	16	Teesport	95A	40	Thiruvananthapuram (Vizhinjam) (Trivandrum)	123C	45	Tokuyama
99A	42	Tanjong Pending	103D	42	Tegal	42A	25	Thisted	125D	45	Tokyo
98B	42	Tanjong Penjuru	60		Tegocigalpa	13B	19	Thistle	87A	35	Tolagnaro
98C	42	Tanjong Rhu	35		Tehran	64A	29	Thisvi	109B	44	Toledo (Philippines)
99D	43	Tanjong Salirong	3B	17	Teignmouth	47C	22	Tholen	187C	56	Toledo (U.S.A.)
98D	41	Tanjong Sulong	33C	26	Teijo	19C	20	Thorlakshofn	86D	35	Toliary (Toliara)
103A	42	Tanjung Apiapi	33D	26	Teijonsaari	189D	56	Thorold	106C	43	Tolitoli
102B	42	Tanjung Balai	38C	25	Tejn	189D	56	Thorshavn, see Torshavn	34B	26	Tolkkinen
100C	42	Tanjung Bara	67A	32	Tekirdag	18C	20	Thorshofn	30B	24	Tollare
104C	42	Tanjung Benete	73C	33	Tekirova	190C	57	Three Rivers (Trois Rivieres)	17B	17	Tollesbury
101A	42	Tanjung Berlayar	75A	33	Tel Aviv	12C	16	Thule, see Qaanaaq	75D	29	Tolmeta
103C	42	Tanjung Bungin	173B	60	Tela	189A	56	Thunder Bay (Canada)	108C	44	Tolosa
103B	42	Tanjung Gerem	23C	24	Telavag	188A	56	Thunder Bay (U.S.A.)	148A	52	Tolstoi Bay
98B	42	Tanjung Langsat	173D	60	Telchac	40B	25	Thuro	165C	60	Tolu
104C	43	Tanjung Maloh	177A	54	Tell City (KY)	131C	48	Thursday Island	69C	27	Tolyatti
106C	43	Tanjung Ogogili	140D	39	Tellicherry, see Thalassery	12C	16	Thurso	122B	45	Tomakomai
103A	42	Tanjung Pandan	101B	42	Telok Ayer	42B	25	Thyboron	140D	39	Tomari
98B	42	Tanjung Pelepas	98C	42	Telok Ramunia	164D	61	Tia Juana	177B	54	Tombigbee, River
101A	42	Tanjung Pemancingan	101A	42	Teluk Adang	118B	47	Tianjiazhen	85B	34	Tombua (Porto Alexandre)
104A	42	Tanjung Perak	101D	42	Teluk Bayur	120B	46	Tianjin	156C	63	Tome
102D	42	Tanjung Pinang	101D	42	Teluk Bungus	187A	57	Tibbetts Point	106A	43	Tomini
103C	42	Tanjung Priok	97D	41	Teluk Ewa	110B	44	Tibungeo (Tibungko)	126B	45	Tomioka
100C	42	Tanjung Redeb	98A	41	Teluk Intan (Telok Anson)	192D	57	Tickle Harbour	180D	58	Tomkins Cove
103B	42	Tanjung Sekong	102B	42	Teluk Nibung	185A	57	Tidnish	193A	57	Tommy's Arm
105C	43	Tanjung Sofa	101C	42	Telukbetung	46A	22	Tiel	137C	49	Tomo
102D	42	Tanjung Uban	81B	36	Tema	48C	22	Tielrode	180C	58	Tompkinsville
105C	43	Tanjung Ubulie	102D	42	Tembilahan	185B	57	Tiffany	22B	24	Tomra
104B	42	Tanjung Wangi (Banyuwangi)	166B	61	Tembladora	83A	36	Tignish	22B	24	Tomrefjord
137C	49	Tanna Island	100A	42	Tembungo Terminal	129C	49	Tikopia Island	187B	56	Tonawanda
127B	45	Tanoura	143D	14	Templefjord	142C	14	Tiksi	123C	45	Tonda
116A	47	Tanshui	70B	29	Temryuk	106A	43	Tilamuta	95B	40	Tondi
111A	41	Tantawan Terminal	44A	22	Ten Post	47B	22	Tilburg	138B	49	Tonga
94D	40	Tanur	147D	52	Tenakee Springs	1A	17	Tilbury	138B	49	Tongatapu Island
87C	35	Tanzania	5B	17	Tenby	73B	32	Tillos Island	141C	39	Tongjiang
60B	28	Taormina	78D	34	Tenerife	193B	57	Tilt Cove	118A	47	Tongling
115A	38	Tap Shek Kok	77B	28	Tenes	136D	49	Timaru	121B	46	Tongyong (Chungmu)
162C	62	Tapajos, River	137B	49	Teoudie	131D	48	Timber Point	19		Toni
101D	42	Tapaktuan	154C	62	Tepre Terminal	131D	48	Timber Point	51D	30	Tonnay Charente
53A	30	Tapia de Casariego	139C	13	Teraina (Fanning Island)	154C	62	Timbiqui	42C	65	Tonning
94A	40	Tapti River	78B	34	Terceira Island	130C	48	Timbuer	130B	49	Tonolei
61D	31	Tar (Val di Torre)	48D	22	Terdonk	159B	64	Timbues	26A	24	Tonsberg
		Tarabulus, see Tripoli	48C	22	Terhagen	29A	25	Timmernabben (Tillingenabben)	26A	24	Tonsbergfjord
101C	42	Tarahan	152A	53	Terminal Island	104C	43	Timor Island	137C	49	Tontouta
100C	42	Tarakan	59C	28	Termini Imerese	19		Timor Leste, see East Timor	152D	59	Topolobampo
100C	42	Tarakan Island	61A	28	Termoli	81D	36	Tin Can Island	32C	26	Toppila
136C	49	Tarakohe	139D	13	Tern Island	144A	14	Tingmiarmiut Fjord	3B	17	Topsham
127D	45	Tarami	105D	43	Ternate Island	22A	24	Tingvoll	148D	52	Toquart Bay
		Taranaki, see New Plymouth	48C	22	Terneuzen	129A	12	Tinian Island	19		Tor
60C	29	Taranto	141A	39	Terpeniya Bay	65D	32	Tinos	3B	17	Tor Bay
139C	49	Tarawa Atoll	58D	28	Terracina	65D	32	Tinos Island	32B	26	Torefors
13C	16	Tarbat Ness Light	44B	22	Terschelling	71A	29	Tirebolu	32B	26	Torehamn
11B	16	Tarbert	2D	17	Tessengerlo	11D	16	Tiree Island	28B	25	Torekov
9B	17	Tarbert Island	129D	49	Tetere	95B	40	Tiruchchundur Point	28D	25	Torhamn
78A	34	Tarfaya	16C	16	Tetney Terminal	95D	40	Tirukkadayur	28D	25	Torko
54C	30	Tarifa	149A	52	Texada Island	95D	40	Tirumullaivasal	32C	26	Tornio
101A	42	Tarjun	174C	54	Texas (TX)	48B	22	Tisselt	190A	56	Toronto
28D	25	Tarno	175A	54	Texas City	165C	60	Titumate	73D	33	Toros
129B	12	Taroa	110D	41	Tha Sala	12C	16	Tiumpnan Head	26D	24	Torp
79C	34	Tarrafal	97C	41	Thailand (Andaman Sea)	63B	29	Tivat	3C	17	Torpoint
55D	28	Tarragona	110D	41	Thailand (Gulf of Thailand)	183C	57	Tiverton (Canada)	3B	17	Torquay
		Tartan	94D	40	Thalassery (Tellicherry)	181D	58	Tiverton (U.S.A.)	59A	31	Torre Annunziata
74C	33	Tartous (Tartus)	136B	49	Thames (New Zealand)	136D	49	Tiwai Point	59A	31	Torre del Greco
120C	46	Tasado	19		Thames (North Sea Terminals)	21D	24	Tjeldbergodden	131C	48	Torres Strait
		Tashkent	1A	17	Thames, River	26A	24	Tjome	55A	28	Torre Vieja
		Tasiliaq Island, see Ammassalik Island	1B	17	Thamesport	27B	25	Tjorn Island	4C	17	Torrige, River
		Tasiliaq, see Ammassalik	21D	24	Thamshavn	87A	35	Toamasina	30A	24	Torshalla
145A	14	Tasiusaq	113A	41	Thanh Hoa	166C	61	Tobago	17D	20	Torshavn (Thorshavn)
134A	48	Tasmania	111B	41	Thap Sakae	127C	45	Tobato	26D	24	Torsokilen
148C	52	Tasu Bay	66D	32	Thasos Island	105B	43	Tobelo	167D	61	Tortola
73D	33	Tasucu	97A	41	Thaton	189C	56	Tobermory (Canada)	169C	61	Tortuga Island (Haiti)
126A	45	Tateyama	111A	41	Thatong	11D	16	Tobermory (Scotland)	164B	61	Tortuga Island (Venezuela)
147B	50	Tatitlek			The, see proper name	103A	42	Toboali	177D	55	Tortugas Harbour
150B	52	Tatoosh Island				75D	29	Tobruk	177D	55	Tortugas Islands
69C	27	Tatyanka				156A	63	Tocopilla	61C	31	Torviscosa
24C	24	Tau							9D	17	Tory Island
138C	49	Tau Island							3C	17	Totnes
125D	45	Taura							180D	58	Tottenville
136B	49	Tauranga							33A	26	Tottesund
136B	49	Tauranga Harbour							2D	17	Totton
54A	30	Tavira							123B	45	Tottori
									80A	36	Toubakouta
									56C	31	Toulon
									20B	21	Tovik

ALPHABETICAL INDEX

163

Col. No.	Page No.	
144C	14	Tovqussaq
11A	16	Toward Point
88C	35	Towartit Anchorage
135C	48	Townsville
5B	17	Towy, River
122D	45	Toyama
122D	45	Toyama Shinko (Shinminato)
126D	45	Toyo
125C	45	Toyohashi
71A	29	Trabzon
185B	57	Tracadie
185A	57	Tracadie Harbour
190C	57	Tracy
66B	32	Tragana
9B	17	Tralee
9B	17	Tralee Bay
160C	64	Tramandai
8C	17	Tramore
6B	17	Tranmere
20D	21	Tranoy
59D	28	Trapani
33D	26	Trasko
28A	25	Traslóslage
37D	25	Trave, River
38A	25	Travemunde
130B	49	Treasure Island
60C	29	Trebisacci
50C	18	Treguier
28C	25	Trelleborg
19	19	Trent
16A	16	Trent, River
185A	57	Trenton (Canada)
180A	58	Trenton (U.S.A.)
192C	57	Trepassey
4B	17	Trevose Head
134C	48	Triabunna
135A	48	Trial Bay
46C	20	Trier
61C	31	Trieste
143C	21	Trifona
165C	60	Trigana
36A	26	Triigi
95C	40	Trincomalee
166A	61	Trinidad
166A	61	Trinidad and Tobago
192D	57	Trinity
192D	57	Trinity Bay (Newfoundland)
191A	57	Trinity Bay (Quebec)
88C	35	Trinkitat
76A	28	Tripoli
74C	33	Tripoli (Tarabulus)
85B	10	Tristan da Cunha Island
193A	57	Triton Island (Canada)
112D	41	Triton Island (Vietnam)
		Trivandrum, see Thiruvananthapuram
40B	25	Troense
62C	31	Trogir
186C	57	Trois Pistoles
		Trois Rivières, see Three Rivers
	19	Troll East
	19	Troll West
20C	21	Trollfjord
27C	24	Trollhattan
27C	24	Trollhatte Canal
162C	62	Trombetas
162C	62	Trombetas, River
25B	24	Tromoy
52B	30	Trompeloup
20B	21	Tromso
21D	24	Trondheim
21C	24	Trondheimsfjord
21D	24	Trones
17C	20	Trongisvagsfjordur
10C	17	Troon
25D	24	Trosvik
150C	52	Troutdale
50A	18	Trouville
181A	58	Troy
193A	57	Troytown
173A	60	Trujillo (Honduras)
155B	62	Trujillo (Peru)
		Truk Islands, see Chuuk Islands
		Truk, see Chuuk
3D	17	Truro
3D	17	Truro River
115A	38	Tsing Yi Island
125B	45	Tsu
123B	45	Tsuiyama
128B	45	Tsukumi
124D	45	Tsuna
124B	45	Tsuneishi

Col. No.	Page No.	
123A	45	Tsuruga
125D	45	Tsurumi
128C	45	Tsurusaki
127C	45	Tsushima
127C	45	Tsutsu
139A	13	Tuamotu Archipelago
70C	29	Tuapse
103D	42	Tuban
161A	64	Tubarao
109C	44	Tubigon
39A	25	Tuborg Havn
138D	13	Tubuai Island
		Tubuai Islands, see Australes Islands
164C	61	Tucacas
193D	51	Tuchialic Bay
3C	17	Tuckenhay
180B	58	Tuckerton
164C	61	Tucupido
145D	50	Tuktoyaktuk
129C	49	Tulagi
67C	29	Tulcea
180A	58	Tullytown
109A	44	Tulong
176D	54	Tulsa (OK)
154C	62	Tumaco
133B	48	Tumby Bay
99A	41	Tumpat
31A	24	Tunadal
170D	60	Tunas de Zaza
76C	31	Tunis
76B	28	Tunisia
33C	26	Tupavuori
165C	60	Turbo
191C	57	Turf Point
164B	61	Turiamo
71A	29	Turkey (Black Sea)
66D	32	Turkey (Sea of Marmara)
70A	27	Turkmenbashi (Krasnovodsk)
70A	27	Turkmenistan
171D	61	Turks and Caicos Islands
33C	26	Turku (Abo)
68A	29	Turnu Severin
8C	17	Tuskar Light
	67	Tusun
95B	40	Tuticorin
162A	62	Tutoia
162A	62	Tutoia Bay
67D	29	Tutrakan
138C	49	Tutuila Island
71D	32	Tutunciftlik
34C	26	Tuuholma
139B	49	Tuvalu
174C	59	Tuxpan
112D	41	Tuy Hoa
71D	32	Tuzla
33D	26	Tvarminne
25B	24	Tvedestrand
17C	20	Tvoroyri
15A	16	Tweed, River
44C	22	Twente Canal
193A	57	Twillingate
193A	57	Twillingate Island
152B	53	Two Harbors
134D	48	Twofold Bay
68D	29	Tyaginka
178C	55	Tybee Roads
147D	52	Tyee
15B	16	Tyne (England)
	19	Tyne (North Sea)
		Terminals)
15C	16	Tyne Dock
15B	16	Tyne, River
15B	16	Tynemouth
147A	50	Tyonek
		Tyr, see Sour
	19	Tyra
20D	21	Tysfjord
23B	24	Tyssebotn
23D	24	Tyssedal

U

109B	44	Ubay
123C	45	Ube
63A	29	Ubli
162D	62	Ucayali, River
123A	45	Uchiura
122A	45	Uchiura Bay
148D	52	Ucluelet
98D	41	Udang Terminal
41B	25	Udbyhoj
27B	24	Uddevalla
125A	45	Udono

Col. No.	Page No.	
37C	25	Uecker, River
37C	25	Ueckermunde
142B	14	Uelkal
	35	Uganda
140D	39	Uglegorsk
62C	31	Ugljan
12A	16	Uig
	19	Uithuizen
123D	45	Ujina
		Ujung Pandang, see Makassar
81D	36	Ukpokiti Terminal
68B	29	Ukraine
	19	Ula
	12	Ulan Bator
63B	29	Ulcinj
27A	24	Ulebergshamn
102A	42	Uleelheue
31C	24	Ullanger
12B	16	Ullapool
121B	46	Ulsan
22C	24	Ulsteinvik
96C	40	Ulubaria
106D	44	Ulugan Bay
7A	17	Ulverston
134B	48	Ulverstone
23D	24	Ulvik
31C	24	Ulvohamn
61D	31	Umag
		Umanak, see Uummannaq
150D	52	Umatilla
143B	21	Umba
31D	24	Umea
144A	14	Umvik
91A	37	Umm al Nar
90D	37	Umm al Qaiwain
92B	37	Umm Qasr
		Umm Said, see Mesaieed
146B	14	Umnak Island
150D	50	Umpqua River
131C	48	Umuda Terminal
146B	14	Unalaska
146B	14	Unalaska Island
124C	45	Unchinomi
41D	25	Understed
137D	49	Undine Bay
23B	24	Undredal
145B	51	Ungava Bay
121D	46	Unggi
146B	14	Unimak Island
149A	52	Union Bay
8D	17	Union Hall
90C	37	United Arab Emirates
1A	16	United Kingdom
139D	13	United States of America
124B	45	Uno
138B	16	Unst
71B	29	Unye
145A	14	Upernavik
1C	17	Upnor
138B	49	Upolu Island
30A	24	Uppsala
127A	45	Urado
125D	45	Uraga
123B	45	Urago
122B	45	Urakawa
135B	48	Urangan
46B	22	Urdingen
62A	31	Urinj
44C	22	Urk
141B	14	Urkt Bay
72D	32	Urla
10A	17	Urr, River
32A	26	Ursviken
159D	64	Uruguay
159D	64	Uruguay, River
142A	39	Urup Island
168A	61	U.S. Virgin Islands
139D	13	U.S.A.
145D	50	U.S.A. (Alaska)
174C	54	U.S.A. (Atlantic)
179A	58	U.S.A. (Gulf of Mexico)
139D	13	U.S.A. (Hawaii)
149C	52	U.S.A. (Pacific)
125D	45	Usami
132D	48	Useless Loop
50D	18	Ushant Island (Ile d'Ouessant)
128A	45	Ushibuka
124C	45	Ushimado
158A	63	Ushuaia
5A	17	Usk, River
24A	24	Uskedal
142B	14	Usk-Kamchatsk
71C	32	Uskudar
140C	39	Ussuriyskiy Bay

Col. No.	Page No.	
69B	27	Ust Donets
68B	29	Ust-Dunaysk
43B	23	Usti nad Labem
59C	28	Ustica
59C	28	Ustica Island
37A	25	Ustka
141D	14	Ust-Khayruzovo
35C	26	Ust-Luga
141D	14	Ust-Penzhino
100A	42	Usukan Bay
128C	45	Usuki
127D	45	Usunoura
31B	24	Utansjo
42D	23	Utersen
21C	24	Uthaug
173B	60	Utilla Island
24A	24	Utne
83B	36	Utonde
45A	22	Utrecht
24B	24	Utsira
21A	20	Utskarpen
138D	13	Uturoa
23A	24	Utvaer
145A	14	Uummannaq (Dundas)
145A	14	Uummannaq (Umanak)
144A	14	Uunarteq (Kap Tobin)
32D	26	Uusikaarlepyy
33B	26	Uusikaupunki
138A	49	Uvea Island
127B	45	Uwajima
36C	26	Uzava
	11	Uzbekistan

V

22C	24	Vaagsoy
33A	26	Vaasa (Vasa)
154B	60	Vacamonte
58B	31	Vada
23A	24	Vadheim
93C	40	Vadinar Terminal
58A	31	Vado Ligure
19D	21	Vadso
17D	20	Vagar
17D	20	Vagur
138D	13	Vaitape
31B	24	Vaja
71A	29	Vakfikebir
23C	24	Vaksdal
		Val di Torre, see Tar
48A	22	Val St. Lambert
62B	31	Valbriska
39A	25	Valby
	19	Valdemar
29C	25	Valdemarsvik
147B	50	Valdez
156D	63	Valdivia
79C	34	Vale de Cavaleiros
55C	28	Valencia
9A	17	Valentia
24A	24	Valevaag
	19	Valhall
64A	29	Valimitika
95B	40	Valinokkam
34B	26	Valkom
56A	28	Vallcarca
151B	53	Vallejo
46C	20	Vallendar
60B	28	Valletta
187A	57	Valleyfield
58C	31	Vallone
26A	24	Valloz
30D	24	Vallvik
		Valona, see Vlore
156C	63	Valparaiso
44B	22	Van Harinxma Canal
112C	41	Van Phong Bay
149C	52	Vancouver (Canada)
150C	52	Vancouver (U.S.A.)
148C	52	Vancouver Island
27C	24	Vanersborg
29A	25	Vanevik
38C	25	Vang
130A	49	Vangunu Island
129C	49	Vanikolo Island
130D	48	Vanimo
140D	39	Vanino
20B	21	Vanna Island
51B	18	Vannes
138A	49	Vanua Levu Island
137C	49	Vanuatu
24C	24	Vanvik
142D	14	Varandey
19D	21	Varangerfjord
132C	48	Varanus Island Terminal

Col. No.	Page No.		Col. No.	Page No.		Col. No.	Page No.		Col. No.	Page No.	
28A	25	Varberg	13B	16	Vidlin Voe	62C	29	Vranjic	6C	17	Weaver, River
33B	26	Vardo (Finland)	29	29	Vienna	26A	24	Vrengen	193D	51	Webeck Harbour
19D	21	Vardo (Norway)	111D	41	Vientiane	81B	36	Vridi	43A	23	Wedel
43C	23	Varel	41	41	Vientiane	61D	31	Vrsar (Orsera)	180D	58	Weehawken (NJ)
27C	24	Vargon	168B	61	Vieques Sound	137D	49	Vuda Point Terminal	102A	42	Weh Island
34D	26	Varkaus	37C	25	Vierow	68A	29	Vukovar	119D	46	Weihai
67B	29	Varna	113A	41	Viet Tri	19	19	Vulcan	131D	48	Weipa
142D	14	Varnek	111C	41	Vietnam	59C	28	Vulcano Island	46C	20	Weissenthurm
169C	61	Varreux Terminal	112B	41	Vietsovpetro	113A	41	Vung Ang	115D	47	Weitou
30B	24	Vartahammen	166D	61	Vieux Fort	112D	41	Vung Ro	113C	41	Weizhou Terminal
33C	26	Vartsala	53C	30	Vigo	112C	41	Vung Tau (Cap St. Jacques)	189D	56	Welland (Canada)
		Vasa, see Vaasa	39D	25	Vigsnaes	34A	26	Vuosaari	19	19	Welland (North Sea Terminals)
33A	26	Vaskiluoto	24B	24	Vigsnes	35A	26	Vyborg	189D	56	Welland Canal
74B	33	Vassiliko Bay	21B	20	Vik (Namsenfjord)	35A	26	Vysotsk	16C	17	Welland, River
33C	26	Vastanfjord	23B	24	Vik (Sognefjord)	35B	9	Vytegra	136A	49	Wellington
		Vasteras, see Vesteras	21A	20	Vikholmen				16D	17	Wells
27C	25	Vasterlanda	19	19	Viking				47C	22	Wemeldinge
		Vastervik, see Vestervik	162B	62	Vila do Conde				10C	16	Wemyss Bay
61A	28	Vasto	78B	34	Vila do Porto				113C	41	Wenchang Terminal
113B	41	Vat Cach	54A	30	Vila Real de Santo Antonio				19	19	Wendy
131B	48	Vatavaila	51B	18	Vilaine, River	45D	22	Waal, River	116C	47	Wenzhou
12A	16	Vaternish Point	67C	29	Vilkovo	192C	57	Wabana	46B	22	Wesel
63D	29	Vathi			Villa Cisneros, see Dakhla	187A	57	Waddington	43B	23	Weser, River
138A	49	Vatia	159A	64	Villa Constitucion	4B	17	Wadebridge	43B	23	Wesermunde
64C	32	Vatika Bay	159C	64	Villa Elisa (Medin)	89C	33	Wadi	87D	35	Wesha
		Vatneyri, see Patrekshofn	159C	64	Villa Oliva	89B	33	Wadi Feiran Terminal	150D	52	Wesport Range
87A	35	Vatmandry	59C	28	Villa San Giovanni	154A	60	Wafer Bay	46C	22	Wesseling
24C	24	Vats	53B	30	Villagarcia	45C	22	Wageningen (Netherlands)	146B	14	West Anchor Cove
138B	49	Vavau Island	55B	28	Villajoyosa	163A	62	Wageningen (Suriname)	184C	57	West Bay (Cape Breton Island)
30B	24	Vaxholm	109D	44	Villanueva	176A	54	Waggaman	183B	57	West Bay (Nova Scotia)
143C	21	Vayenga Bay	55D	28	Villanueva y Geltru	105C	43	Wahai Bay	5C	17	West Cleddau River
142D	14	Vaygach Island	55A	30	Villaricos	139D	13	Wahiawa Bay	19	19	West Ekofisk
39A	25	Vedbaek	52D	30	Villaviciosa	104C	43	Waingapu	147A	50	West Foreland
36A	26	Veere	56D	31	Villefranche	146A	50	Wainwright	44B	22	West Frisian Islands
60A	28	Vega Terminal	49D	18	Villeneuve-la-Garenne	136C	49	Wairau	15C	16	West Hartlepool
43C	23	Vegeack	50A	18	Villeneuve-le-Roi	105C	43	Waisarissa	47C	22	West Kapelle
		Veglia Island, see Krk Island	49D	18	Villequier	135D	49	Waitara	175C	54	West Lake
		Veglia, see Krk	27	27	Vilnius	127C	45	Wakamatsu	106D	44	West Linapacan Terminal
32C	26	Veitsiluoto	41D	25	Vilsund	125A	45	Wakayama	178A	55	West Palm Beach
41A	25	Vejle	48B	22	Vilvoorde	139D	12	Wake Island	185B	57	West Point
63A	29	Vela Luka	156B	49	Vinapu Terminal	122A	45	Wakkanai	19	19	West Sole
78A	34	Velas	55D	28	Vinaroz	91B	37	Wakrah	44B	22	West Terschelling
62C	31	Veli Rat	182A	58	Vineyard Haven	47D	22	Walcheren Canal	132A	48	Western Australia
62B	31	Velika Stinica	27B	25	Vinga	5A	17	Wales	79A	34	Western Sahara
130B	49	Vella Lavella Island	111D	41	Vinh Long	185A	57	Wallace	47C	22	Western Scheldt (Westerschelde)
44D	22	Velsen	111D	41	Vinh Thai	100C	42	Wallace Bay	4C	17	Westleigh
28B	25	Ven Island	176A	54	Violet	189C	56	Wallaceburg	100A	42	Weston
149D	52	Vendovi Island	107C	44	Virac	133C	48	Wallaroo	6C	17	Weston Church Wall
		Venezia, see Venice	29A	25	Virbodraget	6B	17	Wallasey	6C	17	Weston Point
163B	61	Venezuela	179A	58	Virginia (VA)	27B	25	Wallhamn	151A	50	Westport (California)
94B	40	Vengurla	179A	58	Virginia Beach	138A	49	Wallis and Futuna Islands	183D	57	Westport (Canada)
61B	31	Venice (Venezia)	34C	26	Virolahti	13A	16	Walls	136C	49	Westport (New Zealand)
193C	57	Venison Tickle	36B	26	Virtsu	15B	16	Wallsend	9D	17	Westport (Republic of Ireland)
47A	22	Venlo	130A	49	Viru Harbour	48C	22	Walsoorden	150B	52	Westport (Washington)
57D	31	Ventimiglia	96B	40	Visakhapatnam	46B	22	Walsum	13A	16	Westray
153B	59	Ventosa Bay	29B	25	Visby	183C	57	Walton	149B	52	Westview
9B	17	Ventry	171C	60	Vita	4D	17	Walton Bay	180B	58	Westville
36C	26	Ventspils	110A	44	Vitali Point	85C	34	Walvis Bay	176A	54	Westwego
151D	53	Ventura	137D	49	Viti Levu Island	46A	22	Wamel	44D	22	Westzaan
152B	59	Venustiano Carranza	143B	21	Vitino	132B	48	Wandoo Terminal	87D	35	Wete
174B	59	Veracruz	109A	44	Vito Point	136A	49	Wanganui	131A	48	Wewak
93D	40	Veraval	161A	64	Vitoria	43D	23	Wangerooge	42C	65	Wewelsfleth
48B	22	Verbrande Brug	141B	14	Vityaz Terminal	122B	45	Wanishi	8B	17	Wexford
21D	24	Verdal	53A	30	Vivero	119A	47	Wanzhou	183D	57	Weymouth (Canada)
35C	26	Vergi	31B	24	Vivstavarv	148B	52	Ward Cove	2D	17	Weymouth (England)
29C	25	Verkeback			Vizhinjam, see Thiruvananthapuram	15B	17	Warkworth (Amble)	182A	58	Weymouth (U.S.A.)
26B	24	Verpen	45B	22	Vlaardingen	37D	25	Warnemunde	136A	49	Whakaarapai Terminal
155B	62	Vestique	140C	39	Vladivostok	37D	25	Warnow, River	136B	49	Whakatane
		Veslefrik	44B	22	Vlieland	181D	58	Warren	136B	49	Whangarei
20B	21	Vesteraalen			Vlissingen, see Flushing	8A	17	Warrenpoint	136C	49	Whangarei Harbour
30A	24	Vesteras (Vasteras)	63B	29	Vlore (Valona)	150D	52	Warrenton	189D	56	Wheatley
29C	25	Vestervik (Vastervik)	62C	31	Vodice	82A	36	Warri	192B	57	Whiffen Head
17D	20	Vestmanna	41B	25	Voer	6D	17	Warrington	190A	56	Whitby (Canada)
19C	20	Vestmannaeyjar	87A	35	Vohemar	134A	48	Warrnambool	15D	17	Whitby (England)
22B	24	Vestnes	22C	24	Voksa	21	21	Warsaw	193B	57	White Bay
19D	21	Vestre Jakobselv	22C	24	Volda	179C	58	Washington (DC)	143A	21	White Sea
23C	24	Vettas	69B	27	Volga, River	149C	52	Washington (WA)	188D	56	Whitefish Point
53C	28	Viana do Castelo	35B	26	Volga-Baltic Waterway			Washington Island, see Tabuaeran	8C	17	Whitegate
45C	22	Vianen	69B	27	Volgodonsk				7C	17	Whitehaven
58B	31	Viareggio	69C	27	Volgograd				1D	17	Whitstable
59B	28	Vibo Valentia	66B	32	Volos				147B	50	Whittier
		Vicecomodoro Marambio	58A	31	Voltri				16B	16	Whitton
176C	54	Vicksburg	69C	27	Volzhskiy				133B	48	Whyalla
		Victor	45B	22	Vondelingen Plaet				184D	57	Whycomagh
134A	48	Victoria (Australia)	45A	22	Voorburg				13C	16	Wick
148D	52	Victoria (British Columbia)	90C	37	Vopak Terminal				8B	17	Wicklow
115A	38	Victoria (China)	18C	20	Vopnafjordur				6D	17	Widnes
80C	36	Victoria (Guinea)	39C	25	Vordingborg				103C	42	Widuri Terminal
100A	42	Victoria (Malaysia)	36A	26	Vormsi Island				48D	22	Wielingen
185A	57	Victoria (Prince Edward Island)	140C	39	Vostochnyy				10B	17	Wigtown
		Victoria (U.S.A.)	137C	49	Vouavoutou						
174D	54	Victoria (Cameroon), see Limbe	65B	32	Voudia Bay						
		Victoria Point	35B	26	Voznesenye						
97B	41	Victorias	140C	39	Vrangel Bay						

ALPHABETICAL INDEX

165

Col. No.	Page No.	
44D	22	Wijk aan Zee (Wyk aan Zee)
180B	58	Wildwood
47B	22	Wilhelmina Canal
43A	23	Wilhelmsburg
43C	23	Wilhelmshaven
150C	52	Willamette River
150B	52	Willapa Harbour
150B	52	Willapa River
150C	52	Willbridge
48B	22	Willebroek
165D	61	Willemstad (Netherlands Antilles)
47B	22	Willemstad (Netherlands)
148D	52	William Head
193B	57	Williamsport
134C	48	Williamstown
152A	53	Wilmington (California)
179D	58	Wilmington (Delaware)
178D	58	Wilmington (North Carolina)
134D	48	Wilson's Promontory
49B	18	Wimereux
34	18	Windhoek
183C	57	Windsor (Nova Scotia)
189C	56	Windsor (Ontario)
145B	51	Winisk
81B	36	Winneba
6C	17	Winnington
44A	22	Winschoten
44A	22	Winschoter Diep
150A	52	Winslow
145D	14	Winter Harbour
182D	57	Winterport
48B	22	Wintham
16D	17	Wisbech
182C	57	Wiscasset
42D	65	Wischhafen
188B	56	Wisconsin (WI)
145D	50	Wise Bay
37A	26	Wisla, River
37D	25	Wismar
16C	17	Witham, River
192C	57	Witless Bay
17B	17	Wivenhoe
37A	25	Wladyslawowo
45A	22	Woerden
4A	17	Wolf Rock
183C	57	Wolfville
37C	25	Wolgast
37B	25	Wolin
47C	22	Wolphaartsdijk
147A	50	Womens Bay
48D	22	Wondelgem
121C	46	Wonsan
17A	17	Woodbridge
3D	17	Woodbury
149B	52	Woodfibre
98B	42	Woodlands
131B	48	Woodlark Island
182A	58	Woods Hole
191C	57	Woods Island
132C	48	Woollybutt Terminal
1A	17	Woolwich
7C	17	Workington
44B	22	Workum
45A	22	Wormerveer
46D	20	Worms
2B	17	Worthing
129B	12	Wotje Atoll
83A	36	Wouri, River
148A	52	Wrangell
148A	52	Wrangell Island
178D	58	Wrightsville
118C	47	Wuhan
118A	47	Wuhu
68B	66	Wurzburg
117A	47	Wusong
118B	47	Wuxue
114A	46	Wuzhou
187D	56	Wyandotte
5A	17	Wye, River
42B	23	Wyk
		Wyk aan Zee, see Wijk aan Zee
132A	48	Wyndham
7A	17	Wyre, River

X

173C	60	Xcalak
74A	33	Xeros Pier
114A	46	Xi Jiang
116C	47	Xiabaishi
115D	47	Xiamen

Col. No.	Page No.	
118D	47	Xiang Jiang
118C	47	Xiangfan
118D	47	Xiangtan
114C	46	Xiaohudao
114B	46	Xiaolan
116D	47	Xiaoshan
116D	47	Xiashi
162C	62	Xiborena
115A	38	Xijiang Terminal
84D	36	Xikomba Terminal
120A	46	Xingang
114A	46	Xinhui
117D	47	Xinshenwei
114D	46	Xintang
116B	47	Xiuyu

Y

		Ya Xian, see Sanya
168D	61	Yabucoa
75A	33	Yafo (Jaffa)
49D	18	Yainville
125C	45	Yaizu
128B	45	Yakushima
147B	52	Yakutat
142C	14	Yakutsk
73B	32	Yali Island
72A	32	Yalova
69A	29	Yalta
120C	46	Yalu River
128A	45	Yamagawa
135A	48	Yamba
132A	48	Yampi Sound
123C	45	Yanai
89C	35	Yanbu (Yenbo)
119B	46	Yancheng
104D	43	Yandema
129D	49	Yandina
114A	46	Yangjiang
97A	41	Yangon
97A	41	Yangon River
113C	41	Yangpu
117A	47	Yangtze River (Chang Jiang)
117D	47	Yangzhou
119D	46	Yantai
115B	38	Yantian
34	34	Yaounde
129A	12	Yap Island
150D	50	Yaquina Bay
16D	17	Yare, River
71D	32	Yarimca
183D	57	Yarmouth (Canada)
2C	17	Yarmouth (England)
182C	57	Yarmouth (U.S.A.)
69D	27	Yaroslavl
134C	48	Yarraville
140D	39	Yasnomorskiy
128A	45	Yatsushiro
152D	59	Yavros
127C	45	Yawata
127B	45	Yawatahama
70B	29	Yeisk
13B	16	Yell
4C	17	Yelland
89D	35	Yemen
		Yenbo, see Yanbu
69A	29	Yenikale
72A	32	Yenikoy
142D	14	Yenisei, River
120D	46	Yeonpyung
66C	32	Yerakini
47C	22	Yerseke (Ierseke)
97B	41	Yetagun Terminal
69A	29	Yevpatoriya
119B	47	Yibin
119A	47	Yichang
120B	46	Yingkou
		Yithion, see Gythion
118C	47	Yiyang
117D	47	Yizheng
32D	26	Ykspihlaja
44D	22	Ymuiden (Jmuiden)
82C	36	Yoho Terminal
122A	45	Yoichi
146C	14	Yoke Bay
125B	45	Yokkaichi
125D	45	Yokohama
128A	45	Yokoshima
125D	45	Yokosuka
82B	36	Yola
84A	36	Yombo Terminal
128C	47	Yonabaru
181A	58	Yonkers
145B	51	York Factory

Col. No.	Page No.	
179B	58	York River
179B	58	Yorktown
127B	45	Yoshida
121A	46	Yosu
8C	17	Youghal
44C	22	Yssel (River IJssel), River
44B	22	Ysselmeer (Ijsselmeer)
45B	22	Ysselmonde (Ijsselmonde)
28C	25	Ystad
26D	24	Ystedekilen
30B	24	Ytterby
118D	47	Yuan River
118C	47	Yuanjiang
118C	47	Yueyang
114A	46	Yujiang River
174A	60	Yukalpeten
113D	41	Yulin
73D	33	Yumurtalik
73D	33	Yumurtalik Bay
125A	45	Yura
114A	46	Yutang
142A	39	Yuzhno Kurilsk
68C	29	Yuzhnyy

Z

89A	33	Zaafarana Terminal
44D	22	Zaan Canal
44D	22	Zaandam
144A	14	Zackenbergh
62C	31	Zadar (Zara)
83B	36	Zafiro Terminal
29	29	Zagreb
74D	33	Zahrani Terminal
		Zaire, River, see Congo, River
		Zaire, see Democratic Republic of Congo
		Zakinthos Island, see Zante Island
		Zakinthos, see Zante
46A	22	Zaltbommel
35	35	Zambia
110A	44	Zamboanga
47D	22	Zandvliet
49A	22	Zandvoorde
45A	22	Zandvoort
63D	29	Zante (Zakinthos)
63D	29	Zante (Zakinthos) Island
87C	35	Zanzibar
87C	35	Zanzibar Island
68D	29	Zaporozhye
165C	60	Zapuzro
		Zara, see Zadar
158D	64	Zarate
140B	39	Zarubino
76B	28	Zarzis
61C	31	Zaule
76A	28	Zawia Terminal
148D	52	Zeballos
49A	22	Zeebrugge
88D	33	Zeit Bay Terminal
37B	25	Zelechowa
63A	29	Zelenika
48D	22	Zelzate
67A	32	Zeytinburnu
119C	46	Zhangjiabu
117C	47	Zhangjiagang
115D	47	Zhangzhou
113D	41	Zhanjiang
114B	46	Zhaoqing
116D	47	Zhapu
116D	47	Zhenhai
117D	47	Zhenjiang
119A	47	Zhicheng
114C	46	Zhongshan
116D	47	Zhoushan Qundao
114B	46	Zhu Jiang (Pearl River)
120C	46	Zhuanghe
114B	46	Zhuhai
118D	47	Zhuzhou
118C	47	Zi River
47C	22	Zierikzee
80A	36	Ziguinchor
153A	59	Zihuatajejo
47C	22	Zijpe
187D	56	Zilwaukee
35	35	Zimbabwe
37D	25	Zingst
91A	37	Zirku
91A	37	Zirku (Az Zarqa) Island
76A	28	Zliten
71C	29	Zonguldak
155A	62	Zorritos
74D	33	Zouk

Col. No.	Page No.	
44B	22	Zoutkamp
76B	28	Zuara
75D	29	Zueitina Terminal
47A	22	Zuid-Willemsvaart Canal
45D	22	Zuilichem
88B	35	Zula
52C	30	Zumaya
48A	22	Zutendaal
44C	22	Zutphen
44C	22	Zwartsluis
48A	22	Zwijndrecht
45D	22	Zwijndrecht (Zwyndrecht)
44C	22	Zwolle
		Zwyndrecht, see Zwijndrecht
74B	33	Zyyi