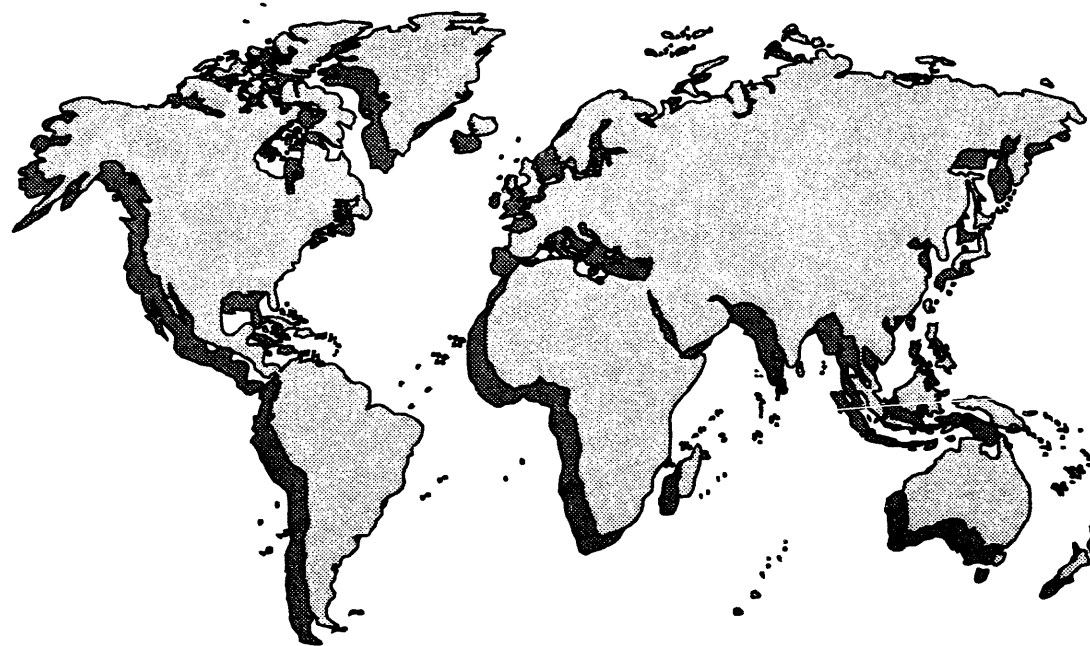


International Petroleum Statistics Report

December 1993

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International Petroleum Statistics Report

December 1993

Energy Information Administration
Office of Energy Markets and End Use
U.S. Department of Energy
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Preface

The International Petroleum Statistics Report is a monthly publication that provides current international oil data. This report is published for the use of Members of Congress, Federal agencies, State agencies, industry, and the general public. Publication of this report is in keeping with responsibilities given the Energy Information Administration in Public Law 95-91 (Section 205(a)(2)) that states:

"The Administrator shall be responsible for carrying out a central, comprehensive, and unified energy data and information program which will collect, evaluate, as applicable, analyze and disseminate data and information ..."

The International Petroleum Statistics Report presents data on international oil production, demand, imports, exports, and stocks. The report has four sections. Section 1 contains time series data on world oil production, and on oil demand and stocks in the Organization for Economic Cooperation and Development (OECD). This section contains annual data beginning in 1985, and monthly data for the most recent two years. Section 2 presents an oil supply/demand balance for world. This balance is presented in quarterly intervals for the most recent two years. Section 3 presents data on oil imports by OECD countries. This section contains annual data for the most recent year, quarterly data for the most recent two quarters, and monthly data for the most recent twelve months. Section 4 presents annual time series data on world oil production and oil stocks, demand, and trade in OECD countries. World oil production and OECD demand data are for the years 1970 through 1992; OECD stocks from 1973 through 1992; and OECD trade from 1982 through 1992.

Data for the United States are developed by the Energy Information Administration's (EIA) Office of Oil and Gas. Data for other countries are derived largely from published sources, including International Energy Agency publications, the EIA International Energy Annual, and the trade press. (See sources after each section.) All data are reviewed by the International Statistics Branch of EIA. All data have been converted to units of measurement familiar to the American public. Definitions of oil production and consumption are consistent with other EIA publications.

General information about this publication may be obtained from W. Calvin Kilgore, Director, Office of Energy Markets and End Use, (202) 586-1617, and from Arthur T. Andersen, Director, Energy Markets and Contingency Information Division, (202) 586-1441. Detailed questions and comments concerning the contents of the International Petroleum Statistics Report may be directed to Louis D. DeMouy, Chief, International Statistics Branch, (202) 586-6557; Michael J. Maloney, Team Leader, Statistics Team, (202) 586-9415, or Patricia A. Smith (202) 586-6925 or to H. Vicky McLaine (202) 586-9412.

Recent International Developments

- OPEC's (excluding Ecuador) average crude oil production (excluding condensate) for November 1993 was estimated to be 24.7 to 24.8 million barrels per day (MMBD). The largest producers were Saudi Arabia (including a share of the Neutral Zone) (8.0 to 8.1 MMBD), Iran (3.6 to 3.7 MMBD), Venezuela (2.3 to 2.4 MMBD), and the United Arab Emirates (2.1 to 2.2 MMBD).
- The International Energy Agency (IEA) preliminary estimates of oil consumption for the Organization for Economic Cooperation and Development (OECD) countries in the third quarter of 1993 increased by 0.2 MMBD from the third quarter 1992 average. The IEA estimates that oil consumption in the third quarter of 1993 averaged 38.7 MMBD.
- Company-owned oil stocks on land in OECD countries are estimated by the IEA to have increased by 1.0 MMBD in the third quarter of 1993. Government-owned oil stocks remained unchanged in the third quarter of 1993. The IEA estimates that total oil stocks in the OECD increased by 1.0 MMBD in the third quarter of 1993.

NOTE

For the time being, the term "Former USSR" is being used in the International Petroleum Statistics Report as a purely geographical expression, referring to the Commonwealth of Independent States (CIS), Georgia, and the three Baltic States (Estonia, Latvia, and Lithuania).

Revisions reflect changes to data that will be published in the forthcoming International Energy Annual, 1992.

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1. Annual and Monthly Oil Data

Table 1.1 World Crude Oil Production (Including Lease Condensate)
(Thousand Barrels per Day)

	Algeria	Iraq	Kuwait ^{1/}	Libya	Qatar	Saudi Arabia ^{1/}	United Arab Emirates	Arab Members of OPEC ^{2/}	Indonesia	Iran
1985 Average.....	1,037	1,433	1,023	1,059	301	3,388	1,193	9,434	1,325	2,250
1986 Average.....	945	1,690	1,419	1,034	308	4,870	1,330	11,596	1,390	2,035
1987 Average.....	1,048	2,079	1,585	972	293	4,265	1,541	11,783	1,343	2,298
1988 Average.....	1,040	2,685	1,492	1,175	346	5,086	1,565	13,389	1,342	2,240
1989 Average.....	1,095	2,897	1,783	1,150	380	5,064	1,860	14,229	1,409	2,810
1990 Average.....	1,175	2,040	1,175	1,375	406	6,410	2,117	14,698	1,462	3,088
1991 Average.....	1,230	R305	R190	1,483	R395	R8,115	R2,386	R14,104	R1,592	R3,312
1992 January.....	1,230	450	565	1,550	350	8,790	2,435	15,370	1,580	3,500
February.....	1,230	450	630	1,550	325	8,640	2,425	15,250	1,605	3,500
March.....	1,230	450	735	1,450	375	8,260	2,300	14,800	1,630	3,350
April.....	1,230	450	863	1,500	375	8,213	2,300	14,930	1,605	3,250
May.....	1,210	450	915	1,450	375	8,265	2,300	14,965	1,530	3,250
June.....	1,210	450	1,015	1,450	375	8,315	2,275	15,090	1,560	3,250
July.....	1,210	450	1,080	1,450	400	8,350	2,300	15,240	1,550	3,300
August.....	1,210	450	1,130	1,425	425	8,400	2,330	15,370	1,540	3,450
September.....	1,210	450	1,200	1,475	425	8,450	2,320	15,530	1,550	3,450
October.....	1,210	450	1,280	1,500	440	8,505	2,310	15,695	1,550	3,650
November.....	1,210	450	1,375	1,500	440	8,500	2,305	15,780	1,550	3,650
December.....	1,210	450	1,550	1,500	440	8,575	2,305	16,030	1,550	3,550
1992 Average.....	1,217	450	1,029	1,483	396	8,438	2,325	15,338	1,566	3,429
1993 January.....	1,210	500	1,675	1,480	450	8,500	2,295	16,110	1,550	3,650
February.....	1,210	500	1,865	1,425	430	8,440	2,305	16,175	1,530	3,750
March.....	1,200	500	1,650	1,350	400	8,300	2,270	15,670	1,500	3,700
April.....	1,200	500	1,645	1,350	400	8,000	2,270	15,365	1,480	3,500
May.....	1,200	500	1,713	1,350	420	8,000	2,230	15,413	1,510	3,650
June.....	1,200	500	1,775	1,350	400	8,150	2,230	15,605	1,510	3,650
July.....	1,180	500	1,940	1,350	410	8,240	2,210	15,830	1,510	3,800
August.....	1,180	500	2,045	1,370	410	8,345	2,210	16,060	1,510	3,500
September.....	1,180	R530	2,020	1,370	410	8,270	2,220	R16,000	1,510	3,650
October.....	1,180	530	2,045	1,390	410	8,145	2,220	15,920	1,480	3,700
1993 Average.....	1,194	506	1,837	1,378	414	8,238	2,245	15,813	1,509	3,655

^{1/}Includes about one-half of the production in the Kuwait-Saudi Arabia Neutral Zone from 1980 through July 1990 and beginning in June 1991. Kuwaiti Neutral Zone output was discontinued following Iraq's invasion of Kuwait on August 2, 1990, but was resumed in June 1991. From August 1990 through May 1991, all production in the Neutral Zone was included in the data for Saudi Arabia. In October 1993, Neutral Zone production by both Kuwait and Saudi Arabia totaled about 390 thousand barrels per day.

^{2/}The Arab members of the Organization of Petroleum Exporting Countries (OPEC) are Algeria, Iraq, Kuwait, Libya, Qatar, Saudi Arabia, and the United Arab Emirates.

Table 1.1 World Crude Oil Production (Including Lease Condensate) (Continued)
(Thousand Barrels per Day)

	Nigeria	Vene- zuela	Total OPEC ^{3/}	Canada	Mexico	United Kingdom	United States ^{4/}	China	Former USSR	Other ^{5/}	World
1985 Average.....	1,495	1,677	16,353	1,471	2,745	2,530	8,971	2,505	11,585	7,821	53,981
1986 Average.....	1,467	1,787	18,441	1,474	2,435	2,539	8,680	2,620	11,895	8,143	56,227
1987 Average.....	1,341	1,752	18,672	1,535	2,548	2,406	8,349	2,690	11,985	8,416	56,601
1988 Average.....	1,450	1,903	20,483	1,616	2,512	2,232	8,140	2,730	11,978	8,971	58,662
1989 Average.....	1,716	1,907	22,279	1,560	2,520	1,802	7,613	2,757	11,625	9,617	59,773
1990 Average.....	1,810	2,137	23,465	1,553	2,553	1,820	7,355	2,774	10,880	10,070	60,471
1991 Average.....	1,892	2,375	R23,569	1,548	R2,680	1,797	7,417	R2,835	9,887	R10,373	R60,105
1992 January.....	1,975	2,390	25,100	1,585	2,675	1,920	7,361	2,830	9,115	10,821	61,407
February.....	1,925	2,340	24,880	1,560	2,665	1,905	7,389	2,865	8,650	10,670	60,584
March.....	1,900	2,190	24,170	1,620	2,680	1,755	7,348	2,835	8,760	10,744	59,912
April.....	1,925	2,190	24,205	1,535	2,680	1,835	7,293	2,855	9,025	10,838	R60,265
May.....	1,925	2,290	24,265	1,510	2,660	1,700	7,169	2,835	8,455	10,566	59,160
June.....	1,925	2,290	24,420	1,560	2,680	1,545	7,167	2,830	8,440	10,758	59,400
July.....	1,975	2,290	24,660	1,630	2,660	1,780	7,131	2,825	8,365	10,818	59,869
August.....	2,000	2,340	25,005	1,675	2,685	1,825	6,922	2,815	8,130	10,802	59,858
September.....	2,025	2,390	25,245	1,620	2,685	1,830	7,030	2,860	7,980	10,873	60,123
October.....	2,050	2,440	25,685	1,665	2,655	1,930	7,126	2,875	7,965	11,017	60,918
November.....	2,050	2,440	25,770	1,640	2,640	1,945	7,024	2,845	7,910	10,847	60,621
December.....	2,100	2,415	25,945	1,575	2,655	1,935	7,103	2,785	7,870	11,074	60,942
1992 Average.....	1,982	2,334	24,947	1,598	2,668	1,825	7,171	2,838	8,388	10,820	60,255
1993 January.....	2,125	2,410	26,145	1,570	2,605	R1,815	E7,008	2,885	7,800	10,736	R60,564
February.....	2,105	2,390	26,250	1,610	2,610	R1,925	E6,957	2,875	7,785	10,877	R60,889
March.....	2,075	2,340	25,585	1,635	2,635	1,710	E6,976	2,885	7,685	11,044	60,155
April.....	2,025	2,340	25,010	1,605	2,674	1,695	E6,897	2,900	7,665	R11,009	R59,455
May.....	2,025	2,340	25,238	1,660	2,673	1,745	E6,833	2,925	7,495	R11,048	R59,617
June.....	1,995	2,340	25,400	1,725	2,675	1,675	E6,756	2,960	7,400	R10,731	R59,322
July.....	1,975	2,390	25,795	1,710	2,650	1,930	E6,654	2,930	7,120	R11,145	R59,934
August.....	2,025	2,390	25,775	R1,770	2,650	1,940	E6,732	2,855	7,025	R11,026	R59,773
September.....	2,045	2,380	R25,875	R1,755	R2,700	1,945	RE6,711	2,860	R6,915	R11,008	R59,769
October.....	2,005	2,400	25,795	1,755	2,650	2,060	PE6,788	2,860	6,900	11,301	60,109
1993 Average.....	2,040	2,372	25,684	1,680	2,652	1,844	PE6,830	2,894	7,376	10,995	59,954

^{3/}Total OPEC" consists of Algeria, Gabon, Indonesia, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, the United Arab Emirates, and Venezuela.

^{4/}U.S. geographic coverage is the 50 States and the District of Columbia.

^{5/}Other is calculated total derived from the difference between World and the sum of production in Total OPEC, Canada, Mexico, the United Kingdom, the United States, China and the Former USSR.

R=Revised data. E=Estimated. PE=Preliminary estimate. RE=Revised estimate.

Notes: o Monthly data are often preliminary. Monthly data also may not average to the annual totals due to rounding. See Section 4 for historical series.

Sources: See end of Section 1.

Table 1.2 OPEC¹/ Crude Oil Production (Excluding Condensate)
(Thousand Barrels per Day)

	Algeria	Gabon	Indo- nesia	Iran	Iraq	Kuwait ² / Kuwait	Libya	Nigeria	Qatar	Saudi Arabia ² / Saudi	United Arab Emirates	Vene- zuela	Total OPEC
1985 Average...	702	172	1,181	2,250	1,433	1,023	1,059	1,475	301	3,388	1,133	1,558	15,675
1986 Average...	600	166	1,257	2,035	1,690	1,419	1,034	1,447	308	4,870	1,270	1,645	17,741
1987 Average...	648	155	1,189	2,298	2,079	1,585	972	1,291	293	4,265	1,441	1,587	17,803
1988 Average...	640	159	1,177	2,240	2,685	1,492	1,175	1,400	346	5,086	1,465	1,715	19,580
1989 Average...	690	208	1,231	2,810	2,897	1,783	1,150	1,666	380	5,064	1,783	1,747	21,409
1990 Average...	765	R270	1,281	3,088	2,040	1,175	1,375	1,755	406	6,410	2,066	2,097	R22,728
1991 Average...	800	R294	R1,410	R3,312	R305	R190	1,483	1,832	R395	R8,115	R2,326	2,338	R22,800
1992 January...	800	285	1,400	3,500	450	565	1,550	1,900	350	8,790	2,385	2,350	24,325
February...	800	260	1,425	3,500	450	630	1,550	1,850	325	8,640	2,375	2,300	24,105
March.....	800	300	1,450	3,350	450	735	1,450	1,825	375	8,260	2,250	2,150	23,395
April.....	800	305	1,425	3,250	450	863	1,500	1,850	375	8,213	2,250	2,150	23,430
May.....	780	305	1,350	3,250	450	915	1,450	1,850	375	8,265	2,250	2,250	23,490
June.....	780	305	1,380	3,250	450	1,015	1,450	1,850	375	8,315	2,225	2,250	23,645
July.....	780	305	1,370	3,300	450	1,080	1,450	1,900	400	8,350	2,250	2,250	23,885
August....	780	305	1,360	3,450	450	1,130	1,425	1,925	425	8,400	2,280	2,300	24,230
September..	780	300	1,370	3,450	450	1,200	1,475	1,950	425	8,450	2,270	2,350	24,470
October...	780	300	1,370	3,650	450	1,280	1,500	1,975	440	8,505	2,260	2,400	24,910
November...	780	300	1,370	3,650	450	1,375	1,500	1,975	440	8,500	2,255	2,400	24,995
December..	780	300	1,370	3,550	450	1,550	1,500	2,000	440	8,575	2,255	2,375	25,145
1992 Average...	787	298	1,386	3,429	450	1,029	1,483	1,904	396	8,438	2,275	2,294	24,169
1993 January...	780	300	1,370	3,650	500	1,675	1,480	2,000	450	8,500	2,245	2,370	25,320
February..	780	300	1,350	3,750	500	1,865	1,425	1,980	430	8,440	2,255	2,350	25,425
March.....	770	300	1,320	3,700	500	1,650	1,350	1,950	400	8,300	2,220	2,300	24,760
April.....	770	300	1,300	3,500	500	1,645	1,350	1,900	400	8,000	2,220	2,300	24,185
May.....	770	300	1,330	3,650	500	1,713	1,350	1,900	420	8,000	2,180	2,300	24,413
June.....	770	300	1,330	3,650	500	1,775	1,350	1,870	400	8,150	2,180	2,300	24,575
July.....	750	290	1,330	3,800	500	1,940	1,350	1,850	410	8,240	2,160	2,350	24,970
August....	750	290	1,330	3,500	500	2,045	1,370	1,900	410	8,345	2,160	2,350	24,950
September..	750	290	1,330	3,650	R530	2,020	1,370	1,920	410	8,270	2,170	2,340	R25,050
October...	750	290	1,300	3,700	530	2,045	1,390	1,880	410	8,145	2,170	2,360	24,970
1993 Average...	764	296	1,329	3,655	506	1,837	1,378	1,915	414	8,238	2,195	2,332	24,859

¹/OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

²/Includes about one-half of the production in the Kuwait-Saudi Arabia Neutral Zone from 1980 through July 1990 and beginning in June 1991. Kuwaiti Neutral Zone output was discontinued following Iraq's invasion of Kuwait on August 2, 1990, but was resumed in June 1991. From August 1990 through May 1991, all production in the Neutral Zone was included in the data for Saudi Arabia. In October 1993, Neutral Zone production by both Kuwait and Saudi Arabia totaled about 390 thousand barrels per day.

R=Revised data.

Notes: Monthly data are often preliminary. Monthly data also may not average to the annual totals due to rounding.

Sources: See end of Section 1.

Table 1.3 World Natural Gas Plant Liquids Production
(Thousand Barrels per Day)

	Algeria	Canada	Mexico	Saudi Arabia	Former USSR	United States ^{1/}	Persian Gulf ^{2/}	OAPEC ^{3/}	OPEC ^{3/}	World
1985 Average.....	120	337	271	375	350	1,609	645	808	892	3,938
1986 Average.....	120	328	352	385	440	1,551	700	860	969	4,150
1987 Average.....	140	367	338	418	495	1,595	721	900	1,006	4,344
1988 Average.....	120	381	370	499	525	1,625	808	979	1,077	4,556
1989 Average.....	130	410	384	503	515	1,546	851	1,041	1,188	4,593
1990 Average.....	130	426	428	620	520	1,559	930	1,107	1,281	4,735
1991 Average.....	140	R431	457	R680	525	1,659	R950	R1,132	R1,312	R4,955
1992 January.....	R145	R485	450	750	525	1,688	R1,047	R1,224	R1,429	R5,194
February.....	R145	R475	460	740	525	1,696	R1,037	R1,214	R1,419	R5,185
March.....	R145	R491	460	710	525	1,694	R1,002	R1,179	R1,366	R5,132
April.....	R145	R475	460	705	525	1,693	R997	R1,174	R1,361	R5,130
May.....	R145	R433	440	710	525	1,695	R1,002	R1,179	R1,366	R5,050
June.....	R145	R443	445	710	525	1,701	R1,002	R1,179	R1,366	R5,068
July.....	R145	R459	440	715	525	1,683	R1,007	R1,184	R1,371	R5,085
August.....	R145	R459	430	715	525	1,638	R1,007	R1,184	R1,371	R5,040
September....	R145	R443	440	720	525	1,660	R1,012	R1,189	R1,376	R5,036
October.....	R145	R454	450	725	525	1,722	R1,017	R1,194	R1,381	R5,159
November....	R145	R443	440	720	525	1,754	R1,012	R1,189	R1,376	R5,175
December.....	R145	R443	440	725	525	1,744	R1,017	R1,194	R1,381	R5,160
1992 Average.....	R145	R459	446	720	525	1,697	R1,013	R1,190	R1,380	R5,118
1993 January.....	R145	425	455	725	525	1,728	R1,017	R1,194	R1,386	R5,133
February.....	R145	425	450	720	525	1,761	R1,012	R1,189	R1,381	R5,171
March.....	R145	440	450	710	525	1,799	R1,012	R1,189	R1,381	R5,204
April.....	R145	440	445	710	525	1,790	R1,012	R1,189	R1,381	R5,190
May.....	R145	450	450	700	525	1,719	R1,027	R1,204	R1,396	R5,149
June.....	R145	450	460	700	525	1,738	R1,027	R1,204	R1,396	R5,158
July.....	R145	450	460	705	525	1,723	R1,057	R1,234	R1,426	R5,213
August.....	R145	450	450	710	525	1,732	R1,062	R1,239	R1,431	R5,217
September....	R145	R450	R455	710	525	R1,717	R1,062	R1,239	R1,431	R5,207
October.....	145	450	455	695	525	E1,728	1,047	1,224	1,416	5,223
1993 Average.....	145	443	453	708	525	E1,743	1,034	1,211	1,403	5,186

^{1/}U.S. geographic coverage is the 50 States and the District of Columbia. Excludes fuel ethanol blended into finished motor gasoline.

^{2/}See Appendix A for countries in this group.

^{3/}OAPEC=Organization of Arab Petroleum Exporting Countries. OPEC=Organization of Petroleum Exporting Countries.

See Appendix A for countries in this group.

R=Revised data. E=Estimated.

Notes: Monthly data are often preliminary. Monthly data also may not average to the annual totals due to rounding. See Section 4 for historical series.

Sources: See end of Section 1.

Table 1.4 World Oil Supply^{1/} of Crude Oil, Natural Gas Liquids, Other Liquids, and Refinery Gain (Thousand Barrels per Day)

	United States ^{2/}	Persian Gulf ^{3/}	OAPEC ^{4/}	OPEC ^{4/}	World
1985 Average	11,192	10,320	11,498	17,324	59,264
1986 Average	10,905	12,441	13,653	19,477	R61,771
1987 Average	10,648	12,869	13,992	19,745	R62,410
1988 Average	10,473	14,310	15,662	21,625	R64,673
1989 Average	9,880	15,733	16,658	23,532	R65,854
1990 Average	9,677	16,249	17,232	24,807	R66,722
1991 Average	9,883	R15,723	R16,766	R24,933	R66,623
1992 January	9,937	R17,209	R18,161	R26,581	R68,283
February	9,908	R17,079	R18,035	R26,351	R67,388
March	9,841	R16,544	R17,556	R25,588	R66,638
April	9,828	R16,516	R17,698	R25,618	R67,033
May	9,751	R16,626	R17,743	R25,683	R65,892
June	9,753	R16,750	R17,847	R25,838	R66,148
July	9,795	R16,955	R17,992	R26,083	R66,730
August	9,431	R17,259	R18,126	R26,428	R66,564
September	9,654	R17,374	R18,286	R26,428	R66,564
October	9,708	R17,719	R18,476	R26,673	R66,918
November	9,768	R17,799	R18,551	R27,118	R67,732
December	9,851	R17,954	R18,816	R27,378	R67,582
1992 Average	9,768	R17,149	R18,108	R26,379	R67,067
1993 January	E10,042	R18,159	R18,896	R27,588	R67,785
February	E9,715	R18,374	R18,961	R27,688	R67,839
March	E9,786	R17,904	R18,461	R27,023	R67,153
April	E9,644	R17,399	R18,156	R26,448	R66,384
May	E9,529	R17,612	R18,259	R26,691	R66,525
June	E9,421	R17,804	R18,446	R26,853	R66,189
July	E9,348	R18,229	R18,676	R27,278	R66,900
August	E9,469	R18,144	R18,911	R27,263	R66,777
September	R9,451	R18,234	R18,846	R27,363	R66,782
October	R9,521	R18,169	R18,751	R27,268	R67,119
1993 Average	R9,592	R18,001	R18,635	R27,143	R66,941

^{1/}See Explanatory Note 1 in Appendix B.

^{2/}U.S. geographic coverage is the 50 States and the District of Columbia. Beginning in 1993, includes fuel ethanol blended into finished motor gasoline and oxygenate production from merchant MTBE plants.

^{3/}See Appendix A for countries in this group.

^{4/}OAPEC=Organization of Arab Petroleum Exporting Countries. OPEC=Organization of Petroleum Exporting Countries. R=Revised data. E=Estimated. PE=preliminary estimate. RE=Revised estimate. Notes: Monthly data are often preliminary. Monthly data also may not average to the annual total due to rounding. See Section 4 for historical series. Sources: See end of Section 1.

Table 1.5 Oil Stocks^{1/} in OECD Countries, End of Period
(Million Barrels)

	France	Italy	Germany ^{2/}	United Kingdom	OECD Europe ^{3/}	United States ^{4/}	Canada	Japan	Other ^{5/}	Total OECD
1985 December.....	139	157	233	123	1,092	1,519	113	494	66	3,284
1986 December.....	127	155	252	124	1,133	1,593	111	509	72	3,418
1987 December.....	127	169	259	121	1,130	1,607	126	540	72	3,474
1988 December.....	140	155	266	112	1,118	1,597	116	538	71	3,440
1989 December.....	138	164	271	118	1,133	1,581	114	577	71	3,476
1990 December.....	140	172	265	112	1,163	1,621	121	590	73	3,568
1991 December.....	153	160	288	119	1,182	1,617	119	607	65	3,589
1992										
January.....	149	167	293	116	1,168	1,610	117	601	68	3,564
February.....	145	172	303	118	1,181	1,588	111	596	66	3,542
March.....	142	169	303	115	1,162	1,571	111	586	66	3,495
April.....	140	165	307	115	1,172	1,583	111	578	62	3,505
May.....	147	171	311	115	1,189	1,602	108	588	63	3,551
June.....	148	166	307	114	1,190	1,603	112	583	69	3,557
July.....	146	166	299	120	1,182	1,620	110	586	67	3,565
August.....	150	169	303	117	1,211	1,621	113	604	69	3,617
September.....	148	165	299	112	1,194	1,636	110	608	69	3,616
October.....	148	166	302	113	1,201	1,640	108	613	69	3,631
November.....	149	172	306	116	1,207	1,636	110	611	71	3,634
December.....	146	174	310	113	1,219	1,592	107	603	67	3,589
1993										
January.....	148	171	319	120	1,231	1,611	110	614	68	3,635
February.....	142	163	317	120	1,213	1,595	106	606	68	3,588
March.....	138	156	311	120	1,192	1,584	107	593	66	3,541
April.....	139	158	311	116	R1,185	1,611	110	584	73	R3,563
May.....	145	164	320	117	R1,198	1,643	106	592	69	R3,608
June.....	139	164	310	119	1,185	1,660	108	601	69	3,623
July.....	141	R169	312	115	R1,194	1,678	R113	R617	70	R3,673
August.....	141	170	316	117	1,215	1,674	112	635	70	3,705

^{1/}See Explanatory Note 2 in Appendix B.

^{2/}Through December 1990, the data for Germany are for the former West Germany only. Beginning with January 1991, the data for Germany are for the unified Germany, i.e., the former East Germany and West Germany.

^{3/}"OECD Europe" consists of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

^{4/}U.S. geographic coverage is the 50 States and the District of Columbia. In the United States in January 1975, 1981, and 1983, numerous respondents were added to bulk terminal and pipeline surveys affecting subsequent stocks reported. Using the new basis, the end-of-year U.S. stocks, in million barrels, would have been 1,121 in 1974, 1,425 in 1980, and 1,461 in 1982.

^{5/}"Other" consists of Australia, New Zealand, and the U.S. Territories.

R=Revised data.

Note: See Section 4 for historical series.

Sources: See end of Section 1.

Table 1.6 Commercial and Government-Owned Oil Stocks^{1/} in OECD^{2/} Countries (End of June 1993)
(Million Barrels)

Country	Commercial	Government Owned	Total
Canada.....	108	0	108
United States ^{3/}	1,077	583	1,660
United States Territories.....	25	0	25
Japan.....	356	245	601
Australia/New Zealand.....	44	NA	44
Austria.....	21	0	21
Belgium/Luxembourg.....	31	0	31
Denmark.....	24	0	24
Finland.....	21	0	21
France.....	139	0	139
Germany ^{4/}	257	53	310
Greece.....	35	NA	35
Ireland.....	6	2	8
Italy.....	158	6	164
Netherlands.....	98	0	98
Norway.....	28	0	28
Portugal.....	23	0	23
Spain.....	75	0	75
Sweden.....	28	0	28
Switzerland.....	34	0	34
Turkey.....	27	0	27
United Kingdom.....	119	0	119
OECD Europe.....	1,124	61	1,185
Total OECD.....	2,734	889	3,623

^{1/}See Explanatory Note 2 in Appendix B.

^{2/}OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group.

^{3/}U.S. geographic coverage is the 50 States and the District of Columbia.

^{4/}Data are for the unified Germany, i.e., the former East Germany and West Germany.

NA=Not Available.

Note: Sum of components may not equal total due to rounding.

Sources: See end of Section 1.

Table 1.7. OECD Oil Demand 1/
(Thousand Barrels per Day)

	France	Italy	Germany ^{2/}	United Kingdom	OECD Europe ^{3/}	United States ^{4/}	Canada	Japan	Other ^{5/}	Total OECD
1985 Average....	1,775	1,717	2,338	1,634	11,681	15,726	1,504	4,384	976	34,271
1986 Average....	1,772	1,738	2,498	1,649	12,102	16,281	1,506	4,439	951	35,279
1987 Average....	1,789	1,855	2,424	1,603	12,255	16,665	1,548	4,484	959	35,911
1988 Average....	1,797	1,836	2,422	1,697	12,427	17,283	1,693	4,752	939	37,093
1989 Average....	1,857	1,930	2,280	1,738	12,531	17,325	1,733	4,983	998	37,570
1990 Average....	1,818	1,872	2,382	1,752	12,629	16,988	1,690	5,140	1,027	37,475
1991 Average....	1,935	1,863	2,828	1,801	13,391	16,714	1,622	5,284	R1,056	R38,067
1992										
January....	2,213	2,237	2,968	1,832	14,459	17,012	1,627	5,776	1,014	39,888
February....	2,108	2,149	2,814	1,819	14,052	16,893	1,623	6,347	1,045	39,959
March.....	1,939	1,886	2,809	1,818	13,682	16,825	1,595	5,873	1,054	39,029
April.....	1,993	1,891	2,893	1,858	13,667	16,764	1,581	5,212	1,042	38,267
May.....	1,632	1,671	2,588	1,694	12,347	16,485	1,589	4,845	1,002	36,269
June.....	1,817	1,801	2,699	1,725	13,036	16,978	1,647	4,949	1,086	37,696
July.....	1,929	1,900	3,029	1,804	13,662	17,143	1,642	5,124	1,027	38,600
August....	1,735	1,655	2,829	1,699	12,909	16,929	1,676	4,964	946	37,423
September..	1,956	2,003	3,072	1,870	14,224	16,876	1,655	5,147	1,046	38,947
October....	1,942	1,930	2,752	1,825	13,475	17,448	1,705	5,310	1,014	38,953
November..	1,890	2,053	2,823	1,852	13,806	17,091	1,714	5,644	1,049	39,304
December...	2,000	2,076	2,841	1,839	13,991	17,928	1,670	6,285	1,103	40,977
Average....	1,929	1,936	2,843	1,803	13,606	17,033	1,644	5,454	1,035	38,772
1993										
January....	1,950	1,859	2,521	1,721	12,823	16,320	1,591	5,937	944	37,614
February....	2,138	2,106	2,931	1,872	14,214	17,397	1,728	6,286	1,104	40,729
March.....	2,010	2,005	2,954	1,881	14,036	17,688	1,696	6,238	1,144	40,803
April.....	1,930	1,805	2,814	1,726	R13,337	16,673	1,614	R5,456	1,099	R38,180
May.....	1,695	1,701	2,584	1,671	R12,140	16,340	1,622	R4,765	1,110	R35,977
June.....	1,970	1,856	3,037	1,802	R13,841	17,032	1,713	R4,963	1,091	R38,639
July.....	1,854	1,815	2,950	R1,800	R13,645	17,208	R1,739	R4,855	R1,027	R38,474
August.....	1,655	1,735	2,900	1,779	13,083	17,176	1,824	4,714	1,097	37,894

1/The term Demand is used interchangeably with Consumption and Petroleum Products Supplied. See Appendix C for definition.

2/Through December 1990, the data for Germany are for the former West Germany only. Beginning with January 1991, the data for Germany are for the unified Germany, i.e., the former East Germany and West Germany.

3/"OECD Europe" consists of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

4/U.S. geographic coverage is the 50 States and the District of Columbia.

5/"Other" consists of Australia, New Zealand, and the U.S. Territories.

R=Revised data.

Note: See Section 4 for historical series.

Sources: See end of Section 1.

Sources for Section 1 (Annual and Monthly Oil Data)

Crude Oil Production, Natural Gas Liquids Production, Other Liquids, and Refinery Gain

United States: Energy Information Administration (EIA), Petroleum Supply Annual 1992 and Petroleum Supply Monthly, November 1993.

Other Countries: Annual data -- EIA, International Energy Annual, various issues.
Monthly data -- Canada -- Maclean Hunter Publishing Company, Oilweek, various issues.
Denmark, Mexico, Netherlands, Norway, Germany, and all OPEC countries -- Petroleum and Energy Intelligence Weekly, Inc., Petroleum Intelligence Weekly, various issues.
All Other Countries -- PennWell Publishing Company, Oil and Gas Journal, various issues.
Refinery Gains: National Petroleum Council, U.S. Petroleum Refinery Study, October 1986.

Oil Stocks

United States: EIA, Petroleum Supply Annual 1992 and Petroleum Supply Monthly, November 1993.

Other OECD Countries: Organization for Economic Cooperation and Development (OECD), Quarterly Oil Statistics and Energy Balances, various issues.
o OECD, Monthly Oil Statistics data base, 1980-1993.

Oil Demand

United States: EIA, Petroleum Supply Annual 1992 and Petroleum Supply Monthly, November 1993.

Other OECD Countries: OECD, Quarterly Oil Statistics and Energy Balances, various issues. o OECD, Monthly Oil Statistics data base, 1980-1993.

2. International Oil Balance Data

Table 2.1 World Oil Balance
(Million Barrels Per Day)

	1989	1990	1991	1992				1993					
	Annual Average	Annual Average	Annual Average	Quarter				Annual Average	Quarter				Annual Average
				First	Second	Third	Fourth		First	Second	Third	Fourth	
Supply^{1/}													
OECD													
United States ^{2/}	9.88	9.68	9.88	9.90	9.78	9.63	9.78	9.77	9.85	9.53	9.42	NA	NA
Other OECD.....	7.11	7.35	7.57	7.99	7.63	7.87	8.17	7.92	7.85	7.87	8.25	NA	NA
Total OECD.....	16.99	17.03	17.45	17.88	17.41	17.50	17.95	17.68	17.70	17.40	17.67	NA	NA
Non-OECD													
OPEC.....	23.53	24.81	24.93	26.17	25.71	26.39	27.23	26.38	27.42	26.66	27.30	NA	NA
Former USSR.....	12.14	11.40	10.41	9.37	9.16	8.69	8.44	8.91	8.28	8.04	7.55	NA	NA
Other Non-OECD.....	13.19	13.48	13.82	14.02	14.07	14.16	14.12	14.09	14.18	14.26	14.30	NA	NA
Total Non-OECD.....	48.87	49.69	49.17	49.56	48.94	49.24	49.79	49.38	49.88	48.97	49.15	NA	NA
Total World Supply.....	65.85	66.72	66.62	67.44	66.35	66.74	67.74	67.07	67.58	66.37	66.82	NA	NA
Demand^{3/}													
OECD													
United States ^{2/}	17.33	16.99	16.71	16.91	16.74	16.98	17.49	17.03	17.13	16.68	NA	NA	NA
Other OECD.....	20.24	20.49	21.35	22.71	20.66	21.33	22.26	21.74	22.56	20.90	NA	NA	NA
Total OECD.....	37.57	37.47	38.07	39.62	37.40	38.32	39.75	38.77	39.68	37.58	NA	NA	NA
Non-OECD													
China.....	2.38	2.30	2.50	2.58	2.61	2.65	2.68	2.63	2.72	2.73	NA	NA	NA
Former USSR.....	8.74	8.39	8.35	7.80	6.80	6.12	6.08	6.70	6.33	5.69	NA	NA	NA
Other Non-OECD.....	17.34	18.00	17.79	18.79	18.50	18.11	19.18	18.64	19.59	19.30	NA	NA	NA
Total Non-OECD.....	28.46	28.68	28.64	29.17	27.91	26.88	27.95	27.97	28.64	27.72	NA	NA	NA
Total World Demand.....	66.03	66.16	66.71	68.78	65.31	65.20	67.70	66.74	68.33	65.30	NA	NA	NA
Stock Draws / Discrepancy													
Net Reported Stock Draws^{4/}													
U. S. Commercial.....	.10	-.09	-.04	.51	-.34	-.34	.52	.08	.13	-.79	NA	NA	NA
U. S. Strategic.....	-.05	-.02	.05	.00	-.01	-.01	-.04	-.02	-.03	-.05	NA	NA	NA
Other OECD.....	-.14	-.14	-.07	.53	-.33	-.29	-.18	-.07	.44	-.06	NA	NA	NA
For Export & Afloat.....	.00	-.05	-.07	.22	-.05	-.60	.00	-.11	.06	-.05	NA	NA	NA
Commr. Floating Storage...	.05	-.18	.15	.11	-.05	.00	.00	.01	.00	.00	NA	NA	NA
Total Reported Draws.....	-.04	-.49	.02	1.36	-.79	-1.24	.30	-.09	.59	-.96	NA	NA	NA
Other Stock Draws and Statistical Discrepancy^{5/}													
	.22	-.08	.06	-.02	-.25	-.30	-.34	-.23	.16	-.11	NA	NA	NA

^{1/}Supply includes production of crude oil (including lease condensate), natural gas plant liquids, other hydrogen and hydrocarbons for refinery feedstocks, refinery gains, alcohol, and liquids produced from coal and other sources.

^{2/}U.S. geographical coverage is the 50 States and the District of Columbia. See Explanatory Note 1 in Appendix B.

^{3/}The term Demand is used interchangeably with the terms Consumption and Petroleum Products Supplied. See Appendix C for definition.

^{4/}Stock draws are positive numbers, stock additions are negative numbers.

^{5/}This is computed as Total Demand minus the sum of Total Supply and Total Reported Stock Draw.

NA=Not Available.

Note: Sum of components may not equal total due to rounding.

Sources: See end of Section 2.

Table 2.2 World Oil Supply^{1/}
(Million Barrels Per Day)

	1989	1990	1991	1992				1993					
	Annual		Quarter				Annual		Quarter		Annual		
	Average		First	Second	Third	Fourth	Average		First	Second	Third	Fourth	Average
OECD													
United States ^{2/} ...	9.88	9.68	9.88	9.90	9.78	9.63	9.78	9.77	9.85	9.53	9.42	NA	NA
Canada.....	2.03	2.02	2.03	2.13	2.05	2.16	2.13	2.12	2.09	2.16	2.25	NA	NA
North Sea.....	3.73	3.85	4.05	4.38	4.10	4.23	4.58	4.32	4.34	4.28	4.57	NA	NA
Other OECD.....	1.35	1.48	1.49	1.48	1.49	1.48	1.46	1.47	1.42	1.43	1.43	NA	NA
Total OECD.....	16.99	17.03	17.45	17.88	17.41	17.50	17.95	17.68	17.70	17.40	17.67	NA	NA
Non-OECD													
OPEC													
Crude													
Algeria.....	1.09	1.17	1.23	1.23	1.22	1.21	1.21	1.22	1.21	1.20	1.18	NA	NA
Gabon.....	.21	.27	.29	.28	.30	.30	.30	.30	.30	.30	.29	NA	NA
Indonesia.....	1.41	1.46	1.59	1.60	1.56	1.55	1.55	1.57	1.53	1.50	1.51	NA	NA
Iran.....	2.81	3.09	3.31	3.45	3.25	3.40	3.62	3.43	3.70	3.60	3.65	NA	NA
Iraq.....	2.90	2.04	.30	.45	.45	.45	.45	.45	.50	.50	.51	NA	NA
Kuwait.....	1.78	1.17	.19	.64	.93	1.14	1.40	1.03	1.73	1.71	2.00	NA	NA
Libya.....	1.15	1.38	1.48	1.52	1.47	1.45	1.50	1.48	1.42	1.35	1.36	NA	NA
Nigeria.....	1.72	1.81	1.89	1.93	1.92	2.00	2.07	1.98	2.10	2.02	2.01	NA	NA
Qatar.....	.38	.41	.39	.35	.38	.42	.44	.40	.43	.41	.41	NA	NA
Saudi Arabia..	5.06	6.41	8.11	8.56	8.26	8.40	8.53	8.44	8.41	8.05	8.29	NA	NA
United Arab													
Emirates...	1.86	2.12	2.39	2.39	2.29	2.32	2.31	2.33	2.29	2.24	2.21	NA	NA
Venezuela.....	1.91	2.14	2.38	2.31	2.26	2.34	2.43	2.33	2.38	2.34	2.39	NA	NA
Natural Gas													
Plant Liquids	1.19	1.28	1.31	1.40	1.36	1.37	1.38	1.38	1.38	1.39	1.43	NA	NA
Processing Gain	.07	.06	.05	.05	.05	.05	.05	.05	.06	.06	.06	NA	NA
Total OPEC.....	23.53	24.81	24.93	26.17	25.71	26.39	27.23	26.38	27.42	26.66	27.30	NA	NA
Former USSR.....	12.14	11.40	10.41	9.37	9.16	8.69	8.44	8.91	8.28	8.04	7.55	NA	NA
China.....	2.76	2.77	2.83	2.84	2.84	2.83	2.83	2.84	2.88	2.93	2.88	NA	NA
Mexico.....	2.93	3.01	3.17	3.16	3.15	3.14	3.12	3.14	3.10	3.15	3.15	NA	NA
Other Non-OECD....	7.51	7.70	7.82	8.01	8.08	8.19	8.17	8.11	8.20	8.18	8.27	NA	NA
Total Non-OECD....	48.87	49.69	49.17	49.56	48.94	49.24	49.79	49.38	49.88	48.97	49.15	NA	NA
Total Supply.....	65.85	66.72	66.62	67.44	66.35	66.74	67.74	67.07	67.58	66.37	66.82	NA	NA

^{1/}Supply includes crude oil (including lease condensate), natural gas plant liquids, (except for individual OPEC countries), other hydrogen and hydrocarbons for refinery feedstocks, alcohol, liquids produced from coal and other sources, and processing gain (except for individual OPEC countries).
For OPEC, natural gas plant liquids production and processing gain are shown as separate lines.

^{2/}U.S. geographic coverage is the 50 States and the District of Columbia.

NA=Not Available.

Note: Sum of components may not equal total due to rounding.

Sources: See end of Section 2.

Table 2.3 Oil Stocks^{1/}, End of Period
(Million Barrels)

	1989	1990	1991	1992				1993			
	Year End			Quarter				Quarter			
				First	Second	Third	Fourth	First	Second	Third	Fourth
OECD											
United States ^{2/}											
Commercial.....	1,001	1,035	1,048	1,002	1,033	1,065	1,017	1,006	1,077	NA	NA
Strategic.....	580	586	569	569	570	571	575	578	583	NA	NA
U. S. Territories.....	23	28	24	23	25	24	24	22	25	NA	NA
Canada.....	114	121	119	111	112	110	107	107	108	NA	NA
Japan.....	577	590	607	586	583	608	603	593	601	NA	NA
OECD Europe											
France.....	138	140	153	142	148	148	146	138	139	NA	NA
Germany.....	271	265	288	303	307	299	310	311	310	NA	NA
Italy.....	164	172	160	169	166	165	174	156	164	NA	NA
United Kingdom.....	118	112	119	115	114	112	113	120	119	NA	NA
Other OECD Europe....	441	475	461	433	456	469	476	467	453	NA	NA
Total.....	1,133	1,163	1,182	1,162	1,190	1,194	1,219	1,192	1,185	NA	NA
Australia & New Zealand	48	45	41	43	44	45	43	44	44	NA	NA
Total OECD.....	3,476	3,568	3,589	3,495	3,557	3,616	3,589	3,541	3,623	NA	NA
Stocks for Export and Afloat ^{3/}	920	940	965	945	950	1,005	1,005	1,000	1,005	NA	NA
Commercial Floating ^{4/}	65	130	75	65	70	70	70	70	70	NA	NA

^{1/}See Note 2 in Appendix B.

^{2/}U.S. stock data include Alaskan crude oil in transit by water. These data were previously reported in stocks for export and afloat. U.S. geographic coverage is the 50 States and the District of Columbia.

^{3/} Stocks held at export terminals of major crude oil producing countries and commercial oil afloat based on quarterly analysis of world seaborne movements.

^{4/} Stocks stored by industry in tankers moored offshore. Excludes strategic storage.

NA=Not Available.

Note: Sum of components may not equal total due to rounding.

Sources: See end of Section 2.

Table 2.4 World Oil Demand^{1/}
(Million Barrels Per Day)

	1989			1990			1991			1992				1993				
	Annual			Annual			Annual			Quarter				Quarter				
	Average			Average			Average			Quarter				Quarter				
	Average			Average			Average			First	Second	Third	Fourth	Average	First	Second	Third	Fourth	Average
OECD																		
United States ^{2/}	17.33	16.99	16.71	16.91	16.74	16.98	17.49	17.03	17.13	16.68	NA	NA	NA	NA	NA	NA	NA	NA
U. S. Territories.....	.21	.21	.25	.23	.22	.20	.21	.21	.22	.24	NA	NA	NA	NA	NA	NA	NA	NA
Canada.....	1.73	1.69	1.62	1.61	1.61	1.66	1.70	1.64	1.67	1.65	NA	NA	NA	NA	NA	NA	NA	NA
Japan.....	4.98	5.14	5.28	5.99	5.00	5.08	5.75	5.45	6.15	5.06	NA	NA	NA	NA	NA	NA	NA	NA
OECD Europe ^{3/}																		
France.....	1.86	1.82	1.94	2.09	1.81	1.87	1.94	1.93	2.03	1.86	NA	NA	NA	NA	NA	NA	NA	NA
Italy.....	1.93	1.87	1.86	2.09	1.79	1.85	2.02	1.94	1.99	1.79	NA	NA	NA	NA	NA	NA	NA	NA
United Kingdom.....	1.74	1.75	1.80	1.82	1.76	1.79	1.84	1.80	1.82	1.73	NA	NA	NA	NA	NA	NA	NA	NA
Germany ^{4/}	2.28	2.38	2.83	2.86	2.73	2.98	2.80	2.84	2.80	2.81	NA	NA	NA	NA	NA	NA	NA	NA
Other OECD Europe.....	4.73	4.81	4.96	5.20	4.93	5.10	5.15	5.10	5.04	4.91	NA	NA	NA	NA	NA	NA	NA	NA
Total OECD Europe.....	12.53	12.63	13.39	14.06	13.01	13.59	13.76	13.61	13.67	13.10	NA	NA	NA	NA	NA	NA	NA	NA
Australia & New Zealand	.79	.82	.81	.81	.83	.81	.84	.82	.85	.86	NA	NA	NA	NA	NA	NA	NA	NA
Total OECD.....	37.57	37.47	38.07	39.62	37.40	38.32	39.75	38.77	39.68	37.58	NA	NA	NA	NA	NA	NA	NA	NA
Non-OECD																		
China.....	2.38	2.30	2.50	2.58	2.61	2.65	2.68	2.63	2.72	2.73	NA	NA	NA	NA	NA	NA	NA	NA
Former USSR.....	8.74	8.39	8.35	7.80	6.80	6.12	6.08	6.70	6.33	5.69	NA	NA	NA	NA	NA	NA	NA	NA
Other Non-OECD.....	17.34	18.00	17.79	18.79	18.50	18.11	19.18	18.64	19.59	19.30	NA	NA	NA	NA	NA	NA	NA	NA
Total Non-OECD.....	28.46	28.68	28.64	29.17	27.91	26.88	27.95	27.97	28.64	27.72	NA	NA	NA	NA	NA	NA	NA	NA
Total World Demand.....	66.03	66.16	66.71	68.78	65.31	65.20	67.70	66.74	68.33	65.30	NA	NA	NA	NA	NA	NA	NA	NA

^{1/}Includes bunkers and refinery fuel. The term Demand is used interchangeably with the terms Consumption and Petroleum Products Supplied. See Appendix C for definition.

^{2/}U.S. geographic coverage is the 50 States and the District of Columbia.

^{3/}"OECD Europe" consists of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

^{4/}Through December 1990, the data for Germany are for the former West Germany only. Beginning with January 1991, the data for Germany are for the unified Germany, i.e., the former East Germany and West Germany.

NA=Not Available.

Note: Sum of components may not equal total due to rounding.

Sources: See end of Section 2.

Sources for Section 2 (International Oil Balance Data)

Crude Oil Production, Natural Gas Liquids Production, Other Liquids, and Refinery Gain

United States: Energy Information Administration (EIA), Petroleum Supply Annual 1992 and Petroleum Supply Monthly, November 1993.

Other Countries: Annual data -- EIA, International Energy Annual, various issues.
Monthly data -- Canada -- Maclean Hunter Publishing Company, Oilweek, various issues.
Denmark, Mexico, Netherlands, Norway, Germany, and all OPEC countries -- Petroleum and Energy Intelligence Weekly, Inc., Petroleum Intelligence Weekly, various issues.
Other Countries -- PennWell Publishing Company, Oil and Gas Journal, various issues.
Refinery Gains: National Petroleum Council, U.S. Petroleum Refinery Study, October 1986.

Oil Stocks

United States: EIA, Petroleum Supply Annual 1992 and Petroleum Supply Monthly, November 1993.

Other OECD Countries: Organization for Economic Cooperation and Development (OECD), Quarterly Oil Statistics and Energy Balances, various issues.
o OECD, Monthly Oil Statistics data base, 1980-1993.
Stocks for Export and Afloat and Commercial Floating Stocks -- Petroleum Economics Limited, Oil Industry Developments, various issues.

Oil Demand

United States: EIA, Petroleum Supply Annual 1992 and Petroleum Supply Monthly, November 1993.

Other OECD Countries: OECD, Quarterly Oil Statistics and Energy Balances, various issues.
o OECD, Monthly Oil Statistics data base, 1980-1993.

OPEC Countries: EIA, International Energy Annual, various issues and Short Term Energy Outlook, various issues.

Other countries: EIA, International Energy Annual, various issues and Short Term Energy Outlook, various issues.

3. International Oil Imports

Table 3.1 Average Net Oil Imports into OECD^{1/} Countries, 1992 ^{2/}
(Million Barrels per Day of Crude Oil, Natural Gas Liquids and Refined Products)

	Total	OECD Europe						OECD Outside Europe			
		Total	United Kingdom	France	Germany ^{3/}	Italy	Other Europe ^{4/}	United States ^{5/}	Canada	Japan	Other ^{6/}
Total Net Imports..	20.791	8.462	-0.219	1.784	2.739	1.840	2.318	6.938	-0.545	5.464	0.471
Imports from OPEC ^{7/}	15.813	6.854	.390	.998	.964	1.344	3.159	4.012	.210	4.206	.530
Imports from Persian Gulf ^{8/}											
Total.....	9.458	3.667	.220	.640	.215	.57	2.018	1.774	.092	3.586	.339
Bahrain.....	.032	.003	.001	.001	-	.001	.000	-.002	-	.029	.002
Iran.....	1.491	1.113	.032	.151	.021	.239	.670	.000	.015	.362	.002
Iraq.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Kuwait.....	.414	.142	.027	.029	.009	.007	.070	.051	-	.220	.001
U.A.E.....	1.631	.199	.021	.033	.002	.013	.130	.004	.000	1.256	.173
Qatar.....	.306	.006	.001	.002	.001	.001	.002	.001	-	.300	.000
Saudi Arabia.....	5.583	2.203	.139	.424	.182	.312	1.146	1.720	.078	1.420	.163
Imports from OPEC-Africa											
Total.....	4.031	2.913	.123	.348	.620	.758	1.065	1.000	.062	.015	.041
Algeria.....	.978	.772	.056	.105	.183	.170	.288	.196	.009	.007	-.005
Gabon.....	.243	.095	.000	.066	.006	.000	.022	.124	.000	.009	.016
Libya.....	1.361	1.361	.044	.087	.252	.584	.395	.000	.000	-	.000
Nigeria.....	1.449	.686	.022	.090	.179	.034	.360	.680	.054	.000	.030
Imports from OPEC-South America											
Total.....	1.569	.268	.049	.011	.128	.005	.076	1.161	.055	.010	.075
Venezuela.....	1.569	.268	.049	.011	.128	.005	.076	1.161	.055	.010	.075
Imports from OPEC-Far East											
Total.....	.787	.009	.000	.001	.000	.009	.000	.075	.001	.624	.077
Indonesia.....	.787	.009	.000	.001	.000	.009	.000	.075	.001	.624	.077

1/ OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group.

2/ Preliminary data.

3/ Beginning with January 1991, the data for Germany are for the unified Germany, i.e., the former East Germany and West Germany.

4/ "Other Europe" consists of Austria, Belgium, Denmark, Finland, Greece, Iceland, Ireland, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and Turkey.

5/ U.S. geographic coverage is the 50 States and District of Columbia.

6/ "Other" consists of Australia, New Zealand, and U. S. Territories.

7/ OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

8/ The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: o Imports are on a direct basis. o Negative numbers represent net exports. o A dash (-) indicates no trade. o Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. o See Section 4 for annual data.

Sources: See end of Section 3.

Table 3.2 Net Oil Imports into OECD^{1/} Countries, (2nd Quarter 1993)
(Million Barrels per Day of Crude Oil, Natural Gas Liquids and Refined Products)

	Total	OECD Europe						OECD Outside Europe			
		Total	United Kingdom	France	Germany ^{2/}	Italy	Other Europe ^{3/}	United States ^{4/}	Canada	Japan	Other ^{5/}
Total Net Imports..	20.870	7.923	-0.116	1.779	2.607	1.726	1.926	7.507	-0.543	5.307	0.677
Imports from OPEC ^{6/}	15.386	5.893	.485	1.023	.968	1.318	2.098	4.354	.259	4.152	.728
Imports from Persian Gulf ^{7/}											
Total.....	9.297	3.445	.338	.832	.259	.617	1.400	1.826	.120	3.462	.444
Bahrain.....	.017	.003	.000	.003	-	.000	.000	-.003	-	.014	.003
Iran.....	1.655	1.243	.069	.357	.063	.295	.459	.000	.047	.359	.007
Iraq.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Kuwait.....	.764	.195	.061	.023	.032	.019	.059	.239	.000	.330	.000
U.A.E.....	1.610	.141	.009	.029	.005	.000	.098	.040	.000	1.173	.257
Qatar.....	.277	.000	.000	.000	.000	.000	.000	.000	-	.272	.005
Saudi Arabia.....	4.974	1.863	.198	.419	.159	.302	.785	1.550	.073	1.315	.173
Imports from OPEC-Africa											
Total.....	3.694	2.207	.088	.181	.621	.673	.644	1.181	.098	.098	.110
Algeria.....	.858	.604	.055	.066	.219	.096	.168	.224	.006	.028	-.003
Gabon.....	.235	.023	.000	.023	.000	.000	.000	.135	.000	.070	.006
Libya.....	1.193	1.193	.033	.045	.256	.562	.297	.000	.000	-	.000
Nigeria.....	1.408	.387	.000	.047	.146	.016	.178	.823	.091	.000	.107
Imports from OPEC-South America											
Total.....	1.643	.221	.060	.014	.089	.004	.055	1.264	.041	.005	.112
Venezuela.....	1.643	.221	.060	.014	.089	.004	.055	1.264	.041	.005	.112
Imports from OPEC-Far East											
Total.....	.770	.024	.000	.000	.000	.024	.000	.081	.000	.600	.066
Indonesia.....	.770	.024	.000	.000	.000	.024	.000	.081	.000	.600	.066

1/ OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group.

2/ The data for Germany are for the unified Germany, i.e., the former East Germany and West Germany.

3/ "Other Europe" consists of Austria, Belgium, Denmark, Finland, Greece, Iceland, Ireland, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and Turkey.

4/ U.S. geographic coverage is the 50 States and District of Columbia.

5/ "Other" consists of Australia, New Zealand, and U. S. Territories.

6/ OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

7/ The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: o Imports are on a direct basis. o Negative numbers represent net exports. o A dash (-) indicates no trade. o Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. o See Section 4 for annual data.

Sources: See end of Section 3.

Table 3.3 Net Oil Imports into OECD^{1/} Countries, (1st Quarter 1993)
(Million Barrels per Day of Crude Oil, Natural Gas Liquids and Refined Products)

	Total	OECD Europe						OECD Outside Europe			
		Total	United Kingdom	France	Germany ^{2/}	Italy	Other Europe ^{3/}	United States ^{4/}	Canada	Japan	Other ^{5/}
Total Net Imports..	21.321	8.160	-0.159	1.763	2.588	1.657	2.310	7.038	-0.512	6.009	0.626
Imports from OPEC ^{6/}	16.699	6.892	.401	1.075	.896	1.248	3.272	4.310	.264	4.642	.592
Imports from Persian Gulf ^{7/}											
Total.....	10.213	3.921	.234	.768	.190	.516	2.213	1.828	.101	4.004	.358
Bahrain.....	.042	.000	.000	.000	-	.000	.000	.000	-	.038	.003
Iran.....	1.709	1.267	.042	.188	.037	.206	.793	.000	.025	.417	.000
Iraq.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Kuwait.....	.931	.335	.020	.043	.020	.015	.237	.237	.000	.353	.006
U.A.E.....	1.676	.140	.012	.062	.001	.010	.055	-.006	.000	1.396	.146
Qatar.....	.379	.001	.000	.001	.000	.000	.000	.002	-	.372	.004
Saudi Arabia.....	5.476	2.177	.159	.474	.132	.285	1.128	1.596	.076	1.428	.199
Imports from OPEC-Africa											
Total.....	4.079	2.748	.126	.303	.605	.711	1.004	1.152	.114	.043	.022
Algeria.....	.972	.728	.064	.073	.186	.125	.279	.196	.041	.000	.007
Gabon.....	.226	.074	.000	.063	.000	.000	.011	.102	.000	.043	.007
Libya.....	1.267	1.267	.046	.078	.263	.558	.323	.000	.000	-	.000
Nigeria.....	1.614	.678	.016	.089	.156	.028	.391	.854	.073	.000	.009
Imports from OPEC-South America											
Total.....	1.672	.205	.042	.005	.102	.003	.054	1.289	.048	.012	.118
Venezuela.....	1.672	.205	.042	.005	.102	.003	.054	1.289	.048	.012	.118
Imports from OPEC-Far East											
Total.....	.777	.018	.000	.000	.000	.018	.000	.041	.000	.621	.097
Indonesia.....	.777	.018	.000	.000	.000	.018	.000	.041	.000	.621	.097

- 1/ OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group.
2/ The data for Germany are for unified Germany, i.e., the former East Germany and West Germany.
3/ "Other Europe" consists of Austria, Belgium, Denmark, Finland, Greece, Iceland, Ireland, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and Turkey.
4/ U.S. geographic coverage is the 50 States and District of Columbia.
5/ "Other" consists of Australia, New Zealand, and U. S. Territories.
6/ OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.
7/ The Persian Gulf countries are all members of OPEC, except for Bahrain.
- Notes: o Imports are on a direct basis. o Negative numbers represent net exports. o A dash (-) indicates no trade. o Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. o See Section 4 for annual data.
Sources: See end of Section 3.

Table 3.4 OECD^{1/} Total Net Imports (Most Recent 12 Months)
(Million Barrels per Day of Crude Oil, Natural Gas Liquids and Refined Products)

	1992				1993							
	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July	August
Total.....	21.184	20.887	20.978	21.128	21.405	21.055	21.477	20.967	19.947	21.759	21.213	21.442
United States ^{2/}	7.330	7.603	6.877	6.602	6.830	6.897	7.373	7.418	7.266	7.845	8.132	7.537
Canada.....	-.503	-.612	-.481	-.554	-.496	-.597	-.451	-.542	-.568	-.519	-.480	-.600
OECD Europe ^{3/}	8.303	8.185	8.535	8.674	8.125	8.198	8.161	7.819	7.682	8.307	7.652	8.851
Main European Importers												
France.....	1.721	1.874	1.851	1.744	1.832	1.758	1.699	1.938	1.767	1.632	1.685	1.679
Germany ^{4/}	2.796	2.685	2.765	2.675	2.598	2.618	2.552	2.625	2.618	2.579	2.833	2.825
Italy.....	1.769	1.748	2.112	2.033	1.628	1.713	1.635	1.785	1.858	1.532	1.696	1.892
Spain.....	.987	1.011	.853	.843	.958	1.209	1.071	1.004	.997	1.101	.924	1.125
Netherlands.....	.726	.688	.521	.873	.549	.596	.716	.825	.482	.853	.763	.949
European Net Exporters												
Norway.....	-2.231	-2.118	-2.160	-2.147	-2.012	-2.187	-2.155	-2.419	-2.310	-2.205	-2.306	-2.270
United Kingdom.....	-.327	-.277	-.257	-.336	-.095	-.354	-.046	-.314	-.117	.083	-.623	-.465
Smaller European Importers												
Austria.....	.190	.224	.214	.208	.194	.225	.209	.212	.221	.189	.208	.223
Belgium.....	.531	.465	.565	.546	.577	.558	.427	.424	.427	.503	.474	.538
Denmark.....	.057	-.028	-.001	.104	-.038	.021	.005	.035	.013	-.017	.088	.073
Ireland.....	.108	.076	.116	.119	.108	.101	.109	.090	.083	.092	.087	.096
Finland.....	.121	.265	.259	.271	.058	.258	.160	.107	.090	.274	.193	.188
Greece.....	.412	.329	.322	.274	.413	.248	.472	.296	.201	.301	.288	.357
Iceland.....	.003	.008	.004	.026	.000	.033	.000	.028	.005	.024	.001	.027
Luxembourg.....	.041	.042	.040	.044	.039	.032	.049	.043	.036	.040	.039	.036
Portugal.....	.391	.224	.245	.277	.292	.292	.292	.253	.250	.314	.331	.244
Sweden.....	.298	.265	.398	.415	.359	.317	.303	.279	.352	.323	.165	.553
Switzerland.....	.291	.272	.251	.246	.242	.263	.257	.206	.225	.246	.270	.248
Turkey.....	.420	.432	.437	.460	.423	.497	.406	.402	.485	.442	.536	.535
Japan.....	5.535	5.362	5.558	5.951	6.386	5.857	5.770	5.502	5.073	5.354	5.402	5.199
Other OECD.....	.519	.349	.489	.455	.560	.700	.625	.771	.494	.772	.507	.454

1/ OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group.

2/ U.S. geographic coverage is the 50 States and District of Columbia.

3/ "OECD Europe" consists of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

4/ The data for Germany are for the unified Germany, i.e., the former East Germany and West Germany.

Notes: o Imports are on a direct basis. o Negative numbers represent net exports. o A dash (-) indicates no trade. o Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. o See Section 4 for annual data.

Sources: See end of Section 3.

Table 3.5 OECD1/ Imports from OPEC2/ (Most Recent 12 Months)
(Million Barrels per Day of Crude Oil, Natural Gas Liquids and Refined Products)

	1992				1993							
	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July	August
Total.....	16.326	16.055	15.962	16.200	17.174	16.765	16.166	15.677	15.212	15.277	15.351	14.748
United States3/.....	4.157	4.457	4.000	4.055	4.181	4.482	4.284	4.530	4.223	4.314	4.387	4.028
Canada.....	.268	.185	.277	.267	.262	.220	.305	.220	.384	.170	.357	.227
OECD Europe4/.....	7.071	6.774	7.023	6.867	7.093	6.917	6.667	5.648	5.970	6.057	5.797	5.790
Main European Importers												
France.....	.950	1.018	1.019	.914	1.268	.966	.980	1.014	1.033	1.022	1.071	.879
Germany5/.....	1.109	1.023	1.008	.900	.881	.870	.935	.921	.976	1.007	.932	1.025
Italy.....	1.193	1.198	1.454	1.551	1.293	1.281	1.172	1.382	1.406	1.163	1.183	1.031
Spain.....	.666	.610	.654	.701	.557	.853	.589	.440	.538	.712	.574	.649
Netherlands.....	1.020	.991	.782	1.051	1.007	.928	1.122	.007	.000	.000	.000	.000
European Net Exporters												
Norway.....	.000	.000	.000	.005	.000	.018	.000	.000	.000	.019	.000	.000
United Kingdom....	.316	.358	.467	.319	.389	.415	.400	.424	.432	.600	.441	.535
Smaller European Importers												
Austria.....	.089	.156	.116	.121	.144	.163	.114	.127	.079	.065	.143	.125
Belgium.....	.387	.393	.414	.301	.386	.299	.305	.346	.404	.363	.357	.372
Denmark.....	.004	.000	.000	.000	.000	.027	.000	.000	.000	.000	.000	.017
Ireland.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Finland.....	.054	.025	.000	.000	.000	.000	.000	.000	.000	.025	.001	.000
Greece.....	.402	.346	.290	.236	.326	.217	.413	.276	.268	.287	.292	.325
Portugal.....	.257	.125	.137	.211	.215	.121	.154	.145	.138	.146	.231	.160
Sweden.....	.185	.061	.136	.063	.171	.188	.082	.096	.147	.188	.032	.174
Switzerland.....	.040	.055	.072	.074	.053	.071	.041	.050	.072	.043	.100	.069
Turkey.....	.399	.416	.474	.419	.403	.501	.362	.419	.477	.416	.440	.429
Japan.....	4.263	4.264	4.111	4.584	5.030	4.581	4.309	4.400	4.009	4.051	4.240	4.064
Other OECD.....	.568	.374	.551	.428	.608	.564	.602	.878	.626	.685	.569	.639

1/ OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group.

2/ OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

3/ U.S. geographic coverage is the 50 States and District of Columbia.

4/ "OECD Europe" consists of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

5/ The data for Germany are for the unified Germany, i.e., the former East Germany and West Germany.

Notes: o Imports are on a direct basis. o Negative numbers represent net exports. o A dash (-) indicates no trade. o Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. o See Section 4 for annual data.

Sources: See end of Section 3.

Table 3.6 OECD 1/Imports from Persian Gulf^{2/} (Most Recent 12 Months)
(Million Barrels per Day of Crude Oil, Natural Gas Liquids and Refined Products)

	1992				1993							
	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July	August
Total.....	9.573	9.407	9.477	10.059	10.695	10.011	9.912	9.519	9.267	9.105	9.237	8.663
United States ^{3/}	1.661	1.730	1.742	1.978	1.825	1.876	1.789	1.865	1.798	1.816	1.651	1.618
Canada.....	.123	.071	.120	.168	.107	.000	.186	.084	.187	.087	.141	.086
OECD Europe ^{4/}	3.757	3.687	3.706	3.749	4.064	3.812	3.875	3.284	3.588	3.457	3.560	3.056
Main European Importers												
France.....	.564	.659	.712	.678	.929	.618	.742	.806	.840	.849	.904	.602
Germany ^{5/}.....	.214	.253	.203	.186	.191	.170	.206	.239	.294	.242	.269	.251
Italy.....	.552	.513	.551	.574	.513	.516	.519	.625	.693	.530	.606	.444
Spain.....	.278	.235	.200	.303	.261	.397	.300	.154	.242	.250	.243	.228
Netherlands.....	.744	.695	.498	.866	.765	.733	.785	.000	.000	.000	.000	.000
European Net Exporters												
Norway.....	.000	.000	.000	.005	.000	.000	.000	.000	.000	.000	.000	.000
United Kingdom....	.125	.239	.334	.233	.263	.217	.219	.283	.278	.453	.350	.407
Smaller European Importers												
Austria.....	.000	.048	.031	.025	.039	.015	.029	.028	.021	.011	.070	.059
Belgium.....	.304	.328	.356	.219	.324	.251	.280	.309	.336	.286	.291	.268
Denmark.....	.000	.000	.000	.000	.000	.027	.000	.000	.000	.000	.000	.000
Finland.....	.023	.025	.000	.000	.000	.000	.000	.000	.000	.024	.001	.000
Greece.....	.367	.282	.237	.181	.252	.169	.363	.263	.250	.230	.235	.248
Portugal.....	.113	.039	.060	.101	.049	.081	.020	.075	.051	.018	.136	.018
Sweden.....	.135	.000	.122	.012	.121	.137	.077	.068	.112	.135	.016	.132
Switzerland.....	.014	.004	.005	.000	.000	.006	.000	.014	.000	.011	.012	.005
Turkey.....	.324	.367	.396	.367	.357	.477	.334	.419	.472	.416	.426	.395
Japan.....	3.625	3.620	3.542	3.870	4.347	3.991	3.673	3.804	3.316	3.271	3.566	3.566
Other OECD.....	.407	.300	.367	.294	.352	.331	.389	.482	.378	.474	.319	.337

1/ OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group.

2/ "Persian Gulf" consists of Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and the United Arab Emirates.

3/ U.S. geographic coverage is the 50 States and District of Columbia.

4/ "OECD Europe" consists of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

5/ The data for Germany are for the unified Germany, i.e., the former East Germany and West Germany.

Notes: o Imports are on a direct basis. o Negative numbers represent net exports. o A dash (-) indicates no trade. o Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. o See Section 4 for annual data.

Sources: See end of Section 3.

Table 3.7 United States^{1/}—Net Oil Imports (Most Recent 12 Months)
(Million Barrels per Day of Crude Oil, Natural Gas Liquids and Refined Products)

	1992				1993							
	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July	August
Total Net Imports..	7.330	7.603	6.877	6.602	6.830	6.897	7.373	7.418	7.266	7.845	8.132	7.537
Imports from OPEC ^{2/}	4.157	4.457	4.000	4.055	4.181	4.482	4.284	4.530	4.223	4.314	4.387	4.028
Imports from Persian Gulf ^{3/}												
Total.....	1.661	1.730	1.742	1.978	1.825	1.876	1.789	1.865	1.798	1.816	1.651	1.618
Bahrain.....	.000	-.001	.000	.000	.000	.000	.000	-.003	-.003	-.003	-.003	.000
Iran.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Iraq.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Kuwait.....	.070	.137	.117	.164	.144	.251	.316	.262	.222	.235	.368	.467
U.A.E.....	-.002	.002	.017	.021	-.006	.000	-.012	.000	.057	.061	.016	.000
Qatar.....	.000	.000	.000	.000	.000	.000	.006	.000	.000	.000	.000	.000
Saudi Arabia.....	1.593	1.592	1.608	1.793	1.687	1.625	1.479	1.606	1.522	1.523	1.270	1.151
Imports from OPEC-Africa												
Total.....	1.123	1.180	.908	.863	.972	1.271	1.224	1.293	1.128	1.124	1.307	.948
Algeria.....	.184	.186	.171	.203	.153	.256	.185	.274	.228	.169	.246	.241
Gabon.....	.165	.167	.114	.120	.090	.088	.126	.127	.169	.107	.168	.152
Libya.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Nigeria.....	.774	.827	.623	.540	.729	.927	.913	.892	.731	.848	.893	.555
Imports from OPEC-South America												
Total.....	1.315	1.492	1.334	1.163	1.377	1.286	1.204	1.293	1.222	1.277	1.377	1.367
Venezuela.....	1.315	1.492	1.334	1.163	1.377	1.286	1.204	1.293	1.222	1.277	1.377	1.367
Imports from OPEC-Far East												
Total.....	.057	.054	.015	.051	.007	.049	.067	.076	.072	.094	.049	.095
Indonesia.....	.057	.054	.015	.051	.007	.049	.067	.076	.072	.094	.049	.095

^{1/} U.S. geographic coverage is the 50 States and District of Columbia.

^{2/} OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

^{3/} The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: o Imports are on a direct basis. o Negative numbers represent net exports. o A dash (-) indicates no trade. o Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. o See Section 4 for annual data.

Sources: See end of Section 3.

Table 3.8 Japan—Net Oil Imports (Most Recent 12 Months)
(Million Barrels per Day of Crude Oil, Natural Gas Liquids and Refined Products)

	1992				1993							
	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July	August
Total Net Imports..	5.535	5.362	5.558	5.951	6.386	5.857	5.770	5.502	5.073	5.354	5.402	5.199
Imports from OPEC ^{1/}	4.263	4.264	4.111	4.584	5.030	4.581	4.309	4.400	4.009	4.051	4.240	4.064
Imports from Persian Gulf ^{2/}												
Total.....	3.625	3.620	3.542	3.870	4.347	3.991	3.673	3.804	3.316	3.271	3.566	3.566
Bahrain.....	.024	.000	.039	.024	.039	.042	.035	.001	.008	.031	.030	.035
Iran.....	.197	.329	.279	.385	.560	.316	.364	.412	.320	.346	.321	.394
Iraq.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Kuwait.....	.298	.305	.320	.382	.325	.445	.298	.344	.355	.289	.320	.383
U.A.E.....	1.221	1.311	1.230	1.322	1.510	1.409	1.271	1.330	1.070	1.123	1.219	1.106
Qatar.....	.341	.371	.342	.300	.403	.379	.336	.333	.231	.252	.338	.268
Saudi Arabia.....	1.543	1.304	1.333	1.457	1.511	1.400	1.369	1.385	1.331	1.229	1.339	1.380
Imports from OPEC-Africa												
Total.....	.000	.021	.000	.020	.052	.057	.021	.057	.110	.126	.071	.022
Algeria.....	.000	.000	.000	.000	.000	.000	.000	.003	.028	.051	.000	.000
Gabon.....	.000	.021	.000	.020	.052	.057	.021	.054	.082	.075	.071	.022
Nigeria.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Imports from OPEC-South America												
Total.....	.000	.016	.000	.016	.010	.027	.000	.016	.000	.000	.016	.000
Venezuela.....	.000	.016	.000	.016	.010	.027	.000	.016	.000	.000	.016	.000
Imports from OPEC-Far East												
Total.....	.662	.608	.608	.703	.660	.548	.649	.524	.592	.685	.616	.511
Indonesia.....	.662	.608	.608	.703	.660	.548	.649	.524	.592	.685	.616	.511

^{1/} OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

^{2/} The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: o Imports are on a direct basis. o Negative numbers represent net exports. o A dash (-) indicates no trade. o Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. o See Section 4 for annual data.

Sources: See end of Section 3.

Table 3.9 OECD Europe^{1/}—Net Oil Imports (Most Recent 12 Months)
(Million Barrels per Day of Crude Oil, Natural Gas Liquids and Refined Products)

	1992				1993							
	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July	August
Total Net Imports..	8.303	8.185	8.535	8.674	8.125	8.198	8.161	7.819	7.682	8.307	7.652	8.851
Imports from OPEC ^{2/}	7.071	6.774	7.023	6.867	7.093	6.917	6.667	5.648	5.970	6.057	5.797	5.790
Imports from Persian Gulf ^{3/}												
Total.....	3.757	3.687	3.706	3.749	4.064	3.812	3.875	3.284	3.588	3.457	3.560	3.056
Bahrain.....	.000	.000	.016	.000	.000	.000	.000	.010	.000	.000	.000	.000
Iran.....	1.254	1.120	1.344	.889	1.064	1.317	1.425	1.246	1.307	1.172	1.153	.890
Iraq.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.006	.000
Kuwait.....	.121	.228	.244	.295	.396	.233	.367	.156	.251	.175	.146	.217
U.A.E.....	.193	.149	.081	.238	.200	.096	.120	.144	.144	.133	.102	.044
Qatar.....	.011	.000	.000	.040	.002	.000	.000	.000	.000	.000	.000	.000
Saudi Arabia.....	2.179	2.190	2.021	2.286	2.402	2.165	1.963	1.728	1.885	1.976	2.152	1.905
Imports from OPEC-Africa												
Total.....	2.999	2.880	3.030	2.851	2.856	2.801	2.591	2.135	2.158	2.329	1.990	2.435
Algeria.....	.808	.812	.764	.733	.717	.713	.753	.599	.655	.555	.579	.608
Gabon.....	.051	.114	.031	.062	.074	.113	.038	.038	.000	.032	.032	.075
Libya.....	1.400	1.320	1.516	1.293	1.325	1.226	1.247	1.140	1.187	1.252	1.082	1.339
Nigeria.....	.740	.635	.718	.763	.740	.749	.552	.357	.316	.490	.296	.413
Imports from OPEC-South America												
Total.....	.297	.207	.286	.231	.156	.284	.183	.221	.190	.253	.247	.282
Venezuela.....	.297	.207	.286	.231	.156	.284	.183	.221	.190	.253	.247	.282
Imports from OPEC-Far East												
Total.....	.018	.000	.018	.035	.018	.020	.017	.018	.034	.018	.000	.018
Indonesia.....	.018	.000	.018	.035	.018	.020	.017	.018	.034	.018	.000	.018

1/ "OECD Europe" consists of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

2/ OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

3/ The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: o Imports are on a direct basis. o Negative numbers represent net exports. o A dash (-) indicates no trade. o Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. o See Section 4 for annual data.

Sources: See end of Section 3.

Table 3.10 France—Net Oil Imports (Most Recent 12 Months)
(Million Barrels per Day of Crude Oil, Natural Gas Liquids and Refined Products)

	1992				1993							
	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July	August
Total Net Imports..	1.721	1.874	1.851	1.744	1.832	1.758	1.699	1.938	1.767	1.632	1.685	1.679
Imports from OPEC ^{1/}	.950	1.018	1.019	.914	1.268	.966	.980	1.014	1.033	1.022	1.071	.879
Imports from Persian Gulf ^{2/}												
Total.....	.564	.659	.712	.678	.929	.618	.742	.806	.840	.849	.904	.602
Bahrain.....	.000	.000	.016	.000	.000	.000	.000	.010	.000	.000	.000	.000
Iran.....	.140	.158	.188	.048	.169	.130	.260	.389	.273	.410	.333	.187
Iraq.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Kuwait.....	.000	.000	.000	.081	.108	.000	.016	.000	.069	.000	.010	.066
U.A.E.....	.057	.036	.000	.084	.113	.004	.064	.065	.000	.024	.000	.000
Qatar.....	.005	.000	.000	.017	.002	.000	.000	.000	.000	.000	.000	.000
Saudi Arabia.....	.362	.464	.507	.448	.536	.473	.403	.342	.498	.414	.562	.349
Imports from OPEC-Africa												
Total.....	.379	.353	.317	.229	.339	.341	.231	.191	.187	.166	.160	.270
Algeria.....	.123	.134	.077	.066	.075	.063	.080	.071	.092	.034	.052	.104
Gabon.....	.032	.071	.031	.062	.064	.101	.028	.038	.000	.032	.032	.047
Libya.....	.080	.107	.070	.002	.116	.066	.051	.034	.062	.038	.047	.110
Nigeria.....	.143	.040	.138	.099	.084	.111	.072	.047	.032	.062	.028	.009
Imports from OPEC-South America												
Total.....	.007	.007	.007	.007	.000	.008	.007	.027	.007	.007	.007	.007
Venezuela.....	.007	.007	.007	.007	.000	.008	.007	.027	.007	.007	.007	.007
Imports from OPEC-Far East												
Total.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Indonesia.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

^{1/} OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.
^{2/} The Persian Gulf countries are all members of OPEC, except for Bahrain.
Notes: o Imports are on a direct basis. o Negative numbers represent net exports. o A dash (-) indicates no trade. o
Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. o See Section 4 for annual data.
Sources: See end of Section 3.

Table 3.11 Germany^{1/}—Net Oil Imports (Most Recent 12 Months)
(Million Barrels per Day of Crude Oil, Natural Gas Liquids and Refined Products)

	1992				1993							
	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July	August
Total Net Imports..	2.796	2.685	2.765	2.675	2.598	2.618	2.552	2.625	2.618	2.579	2.833	2.825
Imports from OPEC^{2/}	1.109	1.023	1.008	.900	.881	.870	.935	.921	.976	1.007	.932	1.025
Imports from Persian Gulf^{3/}												
Total.....	.214	.253	.203	.186	.191	.170	.206	.239	.294	.242	.269	.251
Iran.....	.002	.039	.037	.003	.018	.023	.069	.034	.082	.073	.072	.063
Iraq.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Kuwait.....	.017	.024	.034	.018	.026	.019	.014	.032	.032	.032	.025	.008
U.A.E.....	.015	.001	.000	.001	.002	.001	.000	.009	.004	.001	.000	.000
Qatar.....	.002	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Saudi Arabia.....	.179	.189	.132	.164	.145	.127	.123	.165	.177	.136	.172	.179
Imports from OPEC-Africa												
Total.....	.780	.635	.660	.606	.603	.582	.627	.592	.612	.658	.542	.641
Algeria.....	.255	.221	.248	.167	.155	.219	.188	.228	.225	.204	.205	.199
Gabon.....	.019	.012	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Libya.....	.320	.270	.277	.238	.261	.216	.307	.229	.250	.288	.198	.280
Nigeria.....	.186	.132	.135	.201	.187	.147	.132	.135	.137	.167	.138	.161
Imports from OPEC-South America												
Total.....	.115	.134	.145	.109	.088	.117	.101	.090	.070	.106	.121	.134
Venezuela.....	.115	.134	.145	.109	.088	.117	.101	.090	.070	.106	.121	.134
Imports from OPEC-Far East												
Total.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Indonesia.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

^{1/} The data for Germany are for the unified Germany, i.e., the former East Germany and West Germany.

^{2/} OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

^{3/} The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: o Imports are on a direct basis. o Negative numbers represent net exports. o A dash (-) indicates no trade. o Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. o See Section 4 for annual data.

Sources: See end of Section 3.

Table 3.12 Italy—Net Oil Imports (Most Recent 12 Months)
(Million Barrels per Day of Crude Oil, Natural Gas Liquids and Refined Products)

	1992				1993							
	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July	August
Total Net Imports..	1.769	1.748	2.112	2.033	1.628	1.713	1.635	1.785	1.858	1.532	1.696	1.892
Imports from OPEC1/	1.193	1.198	1.454	1.551	1.293	1.281	1.172	1.382	1.406	1.163	1.183	1.031
Imports from												
Persian Gulf2/												
Total.....	.552	.513	.551	.574	.513	.516	.519	.625	.693	.530	.606	.444
Bahrain.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Iran.....	.175	.225	.273	.215	.222	.163	.228	.277	.358	.249	.298	.096
Iraq.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Kuwait.....	.019	.000	.027	.000	.008	.020	.019	.032	.013	.013	.019	.000
U.A.E.....	.000	.000	.000	.000	.029	.000	.000	.000	.000	.000	.000	.000
Qatar.....	.000	.000	.000	.009	.000	.000	.000	.000	.000	.000	.000	.000
Saudi Arabia.....	.358	.288	.252	.350	.254	.333	.273	.316	.321	.268	.289	.348
Imports from												
OPEC-Africa												
Total.....	.623	.680	.884	.937	.754	.745	.636	.730	.677	.613	.576	.564
Algeria.....	.119	.135	.150	.193	.152	.144	.082	.119	.082	.088	.070	.052
Gabon.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Libya.....	.504	.514	.659	.664	.562	.601	.514	.595	.580	.510	.506	.494
Nigeria.....	.000	.030	.075	.079	.040	.000	.040	.016	.016	.016	.000	.019
Imports from												
OPEC-South America												
Total.....	.000	.005	.000	.006	.008	.000	.000	.008	.002	.002	.000	.006
Venezuela.....	.000	.005	.000	.006	.008	.000	.000	.008	.002	.002	.000	.006
Imports from												
OPEC-Far East												
Total.....	.018	.000	.018	.035	.018	.020	.017	.018	.034	.018	.000	.017
Indonesia.....	.018	.000	.018	.035	.018	.020	.017	.018	.034	.018	.000	.017

1/ OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

2/ The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: o Imports are on a direct basis. o Negative numbers represent net exports. o A dash (-) indicates no trade. o
Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. o See Section 4 for annual data.

Sources: See end of Section 3.

Table 3.13 OECD¹/ Imports from Kuwait (Most Recent 12 Months)
(Million Barrels per Day of Crude Oil, Natural Gas Liquids and Refined Products)

	1992				1993							
	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July	August
Total.....	0.489	0.669	0.681	0.842	0.864	0.930	1.000	0.762	0.828	0.699	0.843	1.078
United States ² /.....	.070	.137	.117	.164	.144	.251	.316	.262	.222	.235	.368	.467
Canada.....	-	-	-	-	.000	.000	.000	.000	.000	.000	.000	.004
OECD Europe ³ /.....	.121	.228	.244	.295	.396	.233	.367	.156	.251	.175	.146	.217
Main European Importers												
France.....	.000	.000	.000	.081	.108	.000	.016	.000	.069	.000	.010	.066
Germany ⁴ /.....	.017	.024	.034	.018	.026	.019	.014	.032	.032	.032	.025	.008
Italy.....	.019	.000	.027	.000	.008	.020	.019	.032	.013	.013	.019	.000
Spain.....	.000	.000	.000	.000	.000	.009	.000	.000	.000	.000	.000	.000
Netherlands.....	.065	.106	.101	.157	.180	.172	.202	.000	.000	.000	.000	.000
European Net Exporters												
United Kingdom....	.000	.078	.063	.030	.030	.000	.029	.060	.063	.061	.030	.060
Smaller European Importers												
Austria.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Belgium.....	.010	.000	.000	.000	.017	.013	.045	.018	.041	.044	.056	.073
Denmark.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Greece.....	.000	.000	.000	.000	.000	.000	.028	.000	.019	.000	.000	.000
Portugal.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Sweden.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Switzerland.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Turkey.....	.010	.020	.020	.008	.027	.000	.015	.014	.014	.026	.006	.010
Japan.....	.298	.305	.320	.382	.325	.445	.298	.344	.355	.289	.320	.383
Other OECD.....	.000	.000	.000	.000	.000	.000	.019	.001	.000	-.001	.009	.006

1/ OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group.

2/ U.S. geographic coverage is the 50 States and District of Columbia.

3/ "OECD Europe" consists of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

4/ The data for Germany are for the unified Germany, i.e., the former East Germany and West Germany.

Notes: o Imports are on a direct basis. o Negative numbers represent net exports. o A dash (-) indicates no trade. o Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. o See Section 4 for annual data.

Sources: See end of Section 3.

Sources for Section 3 (International Oil Imports)

Oil Imports

United States: Energy Information Administration (EIA), Petroleum Supply Annual 1992 and Petroleum Supply Monthly, November 1993. Other OECD Countries: Organization for Economic Cooperation and Development (OECD), Quarterly Oil Statistics and Energy Balances, various issues.
OECD, Monthly Oil Statistics data base, 1991-1993.

4. Historical Oil Data Series

1970-1992

Table 4.1 World Crude Oil Production (Including Lease Condensate)
(Thousand Barrels per Day)

	Algeria	Iraq	Kuwait ^{1/}	Libya	Qatar	Saudi Arabia ^{1/}	United Arab Emirates	Arab Members of OPEC ^{2/}	Indonesia	Iran
1970 Average....	1,029	1,549	2,990	3,318	362	3,799	780	13,827	854	3,829
1971 Average....	785	1,694	3,197	2,761	431	4,769	1,060	14,697	892	4,540
1972 Average....	1,062	1,466	3,283	2,239	482	6,016	1,203	15,751	1,081	5,023
1973 Average....	1,097	2,018	3,020	2,175	570	7,596	1,533	18,009	1,339	5,861
1974 Average....	1,009	1,971	2,546	1,521	518	8,480	1,679	17,724	1,375	6,022
1975 Average....	983	2,262	2,084	1,480	438	7,075	1,664	15,985	1,307	5,350
1976 Average....	1,075	2,415	2,145	1,933	497	8,577	1,936	18,579	1,504	5,883
1977 Average....	1,152	2,348	1,969	2,063	445	9,245	1,999	19,221	1,686	5,663
1978 Average....	1,231	2,563	2,131	1,983	487	8,301	1,831	18,525	1,635	5,242
1979 Average....	1,224	3,477	2,500	2,092	508	9,532	1,831	21,163	1,591	3,168
1980 Average....	1,106	2,514	1,656	1,787	472	9,900	1,709	19,144	1,577	1,662
1981 Average....	1,002	1,000	1,125	1,140	405	9,815	1,474	15,961	1,605	1,380
1982 Average....	987	1,012	823	1,150	330	6,483	1,250	12,035	1,339	2,214
1983 Average....	968	1,005	1,064	1,105	295	5,086	1,149	10,672	1,343	2,440
1984 Average....	1,014	1,209	1,157	1,087	394	4,663	1,146	10,670	1,412	2,174
1985 Average....	1,037	1,433	1,023	1,059	301	3,388	1,193	9,434	1,325	2,250
1986 Average....	945	1,690	1,419	1,034	308	4,870	1,330	11,596	1,390	2,035
1987 Average....	1,048	2,079	1,585	972	293	4,265	1,541	11,783	1,343	2,298
1988 Average....	1,040	2,685	1,492	1,175	346	5,086	1,565	13,389	1,342	2,240
1989 Average....	1,095	2,897	1,783	1,150	380	5,064	1,860	14,229	1,409	2,810
1990 Average....	1,175	2,040	1,175	1,375	406	6,410	2,117	14,698	1,462	3,088
1991 Average....	1,230	R305	R190	1,483	R395	R8,115	R2,386	R14,104	R1,592	R3,312
1992 Average P..	1,217	450	1,029	1,483	396	8,438	2,325	15,338	1,566	3,429

^{1/}Includes about one-half of the production in the Kuwait-Saudi Arabia Neutral Zone from 1970 through 1989.

^{2/}The Arab members of the Organization of Petroleum Exporting Countries (OPEC) are Algeria, Iraq, Kuwait, Libya, Qatar, Saudi Arabia, and the United Arab Emirates.

Table 4.1 World Crude Oil Production (Including Lease Condensate) (Continued)
(Thousand Barrels per Day)

	Nigeria	Vene- zuela	Total OPEC ^{3/}	Canada	Mexico	United Kingdom	United States ^{4/}	China	Former USSR	Other ^{5/}	World
1970 Average....	1,083	3,708	23,410	1,263	487	2	9,637	600	6,985	3,502	45,886
1971 Average....	1,531	3,549	25,324	1,348	486	2	9,463	780	7,475	3,640	48,518
1972 Average....	1,816	3,220	27,016	1,532	505	2	9,441	900	7,890	3,852	51,138
1973 Average....	2,054	3,366	30,779	1,798	465	2	9,208	1,090	8,324	4,013	55,679
1974 Average....	2,255	2,976	30,552	1,551	571	2	8,774	1,315	8,912	4,039	55,716
1975 Average....	1,783	2,346	26,994	1,430	705	12	8,375	1,490	9,523	4,300	52,828
1976 Average....	2,067	2,294	30,549	1,314	831	245	8,132	1,670	10,060	4,543	57,344
1977 Average....	2,085	2,238	31,115	1,321	981	768	8,245	1,874	10,603	4,799	59,707
1978 Average....	1,897	2,165	29,673	1,316	1,209	1,082	8,707	2,082	11,105	4,984	60,158
1979 Average....	2,302	2,356	30,784	1,500	1,461	1,568	8,552	2,122	11,384	5,303	62,674
1980 Average....	2,055	2,168	26,781	1,435	1,936	1,622	8,597	2,114	11,706	5,408	59,599
1981 Average....	1,433	2,102	22,632	1,285	2,313	1,811	8,572	2,012	11,850	5,601	56,076
1982 Average....	1,295	1,895	18,934	1,271	2,748	2,065	8,649	2,045	11,912	5,857	53,481
1983 Average....	1,241	1,801	17,654	1,356	2,689	2,291	8,688	2,120	11,972	6,485	53,255
1984 Average....	1,388	1,798	17,599	1,438	2,780	2,480	8,879	2,296	11,861	7,155	54,488
1985 Average....	1,495	1,677	16,353	1,471	2,745	2,530	8,971	2,505	11,585	7,821	53,981
1986 Average....	1,467	1,787	18,441	1,474	2,435	2,539	8,680	2,620	11,895	8,143	56,227
1987 Average....	1,341	1,752	18,672	1,535	2,548	2,406	8,349	2,690	11,985	8,416	56,601
1988 Average....	1,450	1,903	20,483	1,616	2,512	2,232	8,140	2,730	11,978	8,971	58,662
1989 Average....	1,716	1,907	22,279	1,560	2,520	1,802	7,613	2,757	11,625	9,617	59,773
1990 Average....	1,810	2,137	23,465	1,553	2,553	1,820	7,355	2,774	10,880	10,070	60,471
1991 Average....	1,892	2,375	R23,569	1,548	R2,680	1,797	7,417	R2,835	9,887	R10,373	R60,105
1992 Average P..	1,982	2,334	24,947	1,598	2,668	1,825	7,171	2,838	8,388	10,820	60,255

^{3/}"Total OPEC" consists of Algeria, Gabon, Indonesia, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, the United Arab Emirates, and Venezuela.

^{4/}U.S. geographic coverage is the 50 States and the District of Columbia.

^{5/}Other is a calculated total derived from the difference between World and the sum of production in Total OPEC, Canada, Mexico, the United Kingdom, the United States, China and the Former USSR.

P=Preliminary. R=Revised.

Sources: See end of Section 4.

Table 4.2 OPEC¹/ Crude Oil Production (Excluding Condensate)
(Thousand Barrels per Day)

	Algeria	Gabon	Indo- nesia	Iran	Iraq	Kuwait ² /	Libya	Nigeria	Qatar	Saudi Arabia ² /	United Arab Emirates	Vene- zuela	Total OPEC
1980 Average...	1,006	175	1,497	1,662	2,514	1,656	1,787	2,045	472	9,900	1,704	2,147	26,565
1981 Average...	802	151	1,513	1,380	1,000	1,125	1,140	1,423	405	9,815	1,469	2,083	22,306
1982 Average...	712	156	1,247	2,214	1,012	823	1,150	1,285	330	6,483	1,215	1,878	18,505
1983 Average...	648	157	1,245	2,440	1,005	1,064	1,105	1,231	295	5,086	1,109	1,768	17,153
1984 Average...	694	157	1,279	2,174	1,209	1,157	1,087	1,368	394	4,663	1,091	1,689	16,962
1985 Average...	702	172	1,181	2,250	1,433	1,023	1,059	1,475	301	3,388	1,133	1,558	15,675
1986 Average...	600	166	1,257	2,035	1,690	1,419	1,034	1,447	308	4,870	1,270	1,645	17,741
1987 Average...	648	155	1,189	2,298	2,079	1,585	972	1,291	293	4,265	1,441	1,587	17,803
1988 Average...	640	159	1,177	2,240	2,685	1,492	1,175	1,400	346	5,086	1,465	1,715	19,580
1989 Average...	690	208	1,231	2,810	2,897	1,783	1,150	1,666	380	5,064	1,783	1,747	21,409
1990 Average...	765	277	1,281	3,088	2,040	1,175	1,375	1,755	406	6,410	2,066	2,097	22,735
1991 Average...	800	R294	R1,410	R3,312	R305	R190	1,483	1,832	R395	R8,115	R2,326	2,338	R22,800
1992 Average P.	787	298	1,386	3,429	450	1,029	1,483	1,904	396	8,438	2,275	2,294	24,169

¹/OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

²/Includes about one-half of the production in the Kuwait-Saudi Arabia Neutral Zone from 1980 through July 1990 and beginning in June 1991. Kuwaiti Neutral Zone output was discontinued following Iraq's invasion of Kuwait on August 2, 1990, but was resumed in June 1991. From August 1990 through May 1991, all production in the Neutral Zone was included in the data for Saudi Arabia.

P=Preliminary. R=Revised.

Sources: See end of Section 4.

Table 4.3 World Natural Gas Plant Liquids Production
(Thousand Barrels per Day)

	Algeria	Canada	Mexico	Saudi Arabia	Former USSR	United States ^{1/}	Persian Gulf ^{2/}	OAPEC ^{3/}	OPEC ^{3/}	World
1970 Average	3	200	58	50	120	1,660	119	137	205	2,383
1971 Average	4	234	59	50	135	1,693	138	147	243	2,508
1972 Average	4	293	61	55	155	1,744	155	159	275	2,676
1973 Average	9	314	75	90	170	1,738	191	196	324	2,785
1974 Average	12	314	80	130	190	1,688	231	219	347	2,789
1975 Average	20	309	80	140	205	1,633	246	252	372	2,790
1976 Average	24	289	95	185	220	1,603	291	313	442	2,865
1977 Average	19	290	105	215	235	1,618	335	366	482	2,982
1978 Average	25	281	115	250	255	1,567	410	447	566	3,078
1979 Average	30	331	150	303	270	1,584	458	535	637	3,285
1980 Average	36	331	193	369	285	1,573	534	618	732	3,444
1981 Average	49	330	241	433	300	1,609	599	691	825	3,625
1982 Average	58	318	255	430	315	1,550	612	721	842	3,626
1983 Average	56	309	265	330	330	1,559	552	655	780	3,635
1984 Average	105	336	257	355	340	1,630	604	761	869	3,869
1985 Average	120	337	271	375	350	1,609	645	808	892	3,938
1986 Average	120	328	352	385	440	1,551	700	860	969	4,150
1987 Average	140	367	338	418	495	1,595	721	900	1,006	4,344
1988 Average	120	381	370	499	525	1,625	808	979	1,077	4,556
1989 Average	130	410	384	503	515	1,546	851	1,041	1,188	4,593
1990 Average	130	426	428	620	520	1,559	930	1,107	1,281	4,735
1991 Average	140	R431	457	R680	525	1,659	R950	R1,132	R1,312	R4,955
1992 Average P....	R145	R459	446	720	525	1,697	R1,013	R1,190	R1,380	R5,118

^{1/}U.S. geographic coverage is the 50 States and the District of Columbia.

^{2/}See Appendix A for countries in this group.

^{3/}OAPEC=Organization of Arab Petroleum Exporting Countries. OPEC=Organization of Petroleum Exporting Countries.

See Appendix A for countries in this group.

P=Preliminary. R=Revised.

Sources: See end of Section 4.

**Table 4.4 World Oil Supply^{1/} of Crude Oil, Natural Gas Liquids, Other Liquids, and Refinery Gain
(Thousand Barrels per Day)**

	United States ^{2/}	Persian Gulf ^{3/}	OAPEC ^{4/}	OPEC ^{4/}	World
1970 Average.....	11,673	13,541	14,571	23,676	48,986
1971 Average.....	11,554	15,940	15,427	25,629	51,766
1972 Average.....	11,601	17,734	16,451	27,353	54,574
1973 Average.....	11,428	20,895	18,656	31,165	59,300
1974 Average.....	10,978	21,550	18,399	30,964	59,391
1975 Average.....	10,505	19,223	16,831	27,441	56,511
1976 Average.....	10,251	21,847	19,563	31,064	61,121
1977 Average.....	10,437	22,098	20,372	31,665	63,665
1978 Average.....	10,820	21,067	19,819	30,329	64,225
1979 Average.....	10,707	21,569	22,575	31,503	66,973
1980 Average.....	10,809	18,541	20,715	27,595	64,153
1981 Average.....	10,739	15,894	17,619	23,545	60,763
1982 Average.....	10,783	12,815	13,786	19,859	58,226
1983 Average.....	10,788	11,676	12,416	18,510	58,056
1984 Average.....	11,107	11,433	12,619	18,547	59,645
1985 Average.....	11,192	10,320	11,498	17,324	59,264
1986 Average.....	10,905	12,441	13,653	19,477	R61,771
1987 Average.....	10,648	12,869	13,992	19,745	R62,410
1988 Average.....	10,473	14,310	15,662	21,625	R64,673
1989 Average.....	9,880	15,733	16,658	23,532	R65,854
1990 Average.....	9,677	16,249	17,232	24,807	R66,722
1991 Average.....	9,883	R15,723	R16,766	R24,933	R66,623
1992 Average P.....	9,768	R17,149	R18,108	R26,379	R67,067

^{1/}See Explanatory Note 1 in Appendix B.

^{2/}U.S. geographic coverage is the 50 States and the District of Columbia.

^{3/}See Appendix A for countries in this group.

^{4/}OAPEC=Organization of Arab Petroleum Exporting Countries. OPEC=Organization of Petroleum Exporting Countries.
See Appendix A for countries in this group.

P=Preliminary. E=Estimated. R=Revised.

Sources: See end of Section 4.

Table 4.5 Oil Stocks^{1/} in OECD Countries, End of Period
(Million Barrels)

	France	Italy	Germany ^{2/}	United Kingdom	OECD Europe ^{3/}	United States ^{4/}	Canada	Japan	Other ^{5/}	Total OECD
1973 December.....	201	152	181	156	1,070	1,008	140	303	67	2,588
1974 December.....	249	167	213	191	1,227	1,074	145	370	64	2,880
1975 December.....	225	143	187	165	1,154	1,133	174	375	67	2,903
1976 December.....	234	143	208	165	1,205	1,112	153	380	68	2,918
1977 December.....	239	161	225	148	1,268	1,312	167	409	68	3,224
1978 December.....	201	154	238	157	1,219	1,278	144	413	68	3,122
1979 December.....	226	163	272	169	1,353	1,341	150	460	75	3,379
1980 December.....	243	170	319	168	1,464	1,392	164	495	72	3,587
1981 December.....	214	167	297	143	1,337	1,484	161	482	67	3,531
1982 December.....	193	179	272	125	1,258	1,430	136	484	68	3,376
1983 December.....	153	149	249	118	1,142	1,454	121	470	68	3,255
1984 December.....	152	159	239	112	1,130	1,556	128	479	69	3,362
1985 December.....	139	157	233	123	1,092	1,519	113	494	66	3,284
1986 December.....	127	155	252	124	1,133	1,593	111	509	72	3,418
1987 December.....	127	169	259	121	1,130	1,607	126	540	72	3,474
1988 December.....	140	155	266	112	1,118	1,597	116	538	71	3,440
1989 December.....	138	164	271	118	1,133	1,581	114	577	71	3,476
1990 December.....	140	172	265	112	1,163	1,621	121	590	73	3,568
1991 December.....	153	160	288	119	1,182	1,617	119	607	65	3,589
1992 December P....	146	174	310	113	1,219	1,592	107	603	67	3,589

^{1/}See Explanatory Note 2 in Appendix B.

^{2/}Data through December 1990 are for the former West Germany. Beginning with January 1991, the data for Germany are for the unified Germany, i.e., the former East Germany and West Germany.

^{3/}"OECD Europe" consists of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

^{4/}U.S. geographic coverage is the 50 States and the District of Columbia. In the United States in January 1975, 1981, and 1983, numerous respondents were added to bulk terminal and pipeline surveys affecting subsequent stocks reported. Using the new basis, the end-of-year U.S. stocks, in million barrels, would have been 1,121 in 1974, 1,425 in 1980, and 1,461 in 1982.

^{5/}"Other" consists of Australia, New Zealand, and the U.S. Territories.

P=Preliminary.

Sources: See end of Section 4.

**Table 4.6 OECD Oil Demand 1/
(Thousand Barrels per Day)**

	France	Italy	Germany ^{2/}	United Kingdom	OECD Europe ^{3/}	United States ^{4/}	Canada	Japan	Other	OECD Excluding East Germany	East Germany	OECD Including East Germany
1970 Average...	1,937	1,710	2,607	2,096	12,404	14,697	1,516	3,817	836	33,270	223	33,493
1971 Average...	2,115	1,838	2,702	2,141	13,005	15,213	1,565	4,142	831	34,755	238	34,993
1972 Average...	2,322	1,947	2,859	2,284	13,934	16,367	1,664	4,363	948	37,275	270	37,545
1973 Average...	2,601	2,068	3,055	2,341	14,925	17,308	1,729	4,949	988	39,900	282	40,182
1974 Average...	2,447	2,004	2,748	2,210	13,988	16,653	1,779	4,864	1,095	38,379	307	38,686
1975 Average...	2,252	1,855	2,650	1,911	13,217	16,322	1,779	4,621	1,041	36,980	307	37,287
1976 Average...	2,420	1,971	2,877	1,892	14,124	17,461	1,818	4,837	1,119	39,358	329	39,687
1977 Average...	2,294	1,897	2,865	1,905	13,916	18,431	1,850	4,880	1,160	40,237	347	40,584
1978 Average...	2,408	1,952	2,927	1,938	14,290	18,847	1,902	4,945	1,204	41,187	363	41,550
1979 Average...	2,463	2,039	3,003	1,971	14,667	18,513	1,971	5,050	1,178	41,379	369	41,748
1980 Average...	2,256	1,934	2,707	1,725	13,634	17,056	1,873	4,960	1,072	38,595	375	38,970
1981 Average...	2,023	1,874	2,449	1,590	12,515	16,058	1,768	4,848	1,080	36,269	355	36,624
1982 Average...	1,880	1,781	2,372	1,590	12,053	15,296	1,578	4,582	1,008	34,517	371	34,888
1983 Average...	1,835	1,750	2,324	1,531	11,765	15,231	1,448	4,395	954	33,793	336	34,129
1984 Average...	1,754	1,646	2,322	1,849	11,736	15,726	1,472	4,576	989	34,500	340	34,840
1985 Average...	1,775	1,717	2,338	1,634	11,681	15,726	1,504	4,384	976	34,271	362	34,633
1986 Average...	1,772	1,738	2,498	1,649	12,102	16,281	1,506	4,439	951	35,279	362	35,641
1987 Average...	1,789	1,855	2,424	1,603	12,255	16,665	1,548	4,484	959	35,911	342	36,253
1988 Average...	1,797	1,836	2,422	1,697	12,427	17,283	1,693	4,752	939	37,093	322	37,415
1989 Average...	1,857	1,930	2,280	1,738	12,531	17,325	1,733	4,983	998	37,570	301	37,871
1990 Average...	1,818	1,872	2,382	1,752	12,629	16,988	1,690	5,140	1,027	37,475	283	37,758
1991 Average...	1,935	1,863	2,828	1,801	13,391	16,714	1,622	5,284	R1,056	NA	NA	R38,067
1992 Average P.	1,929	1,936	2,843	1,803	13,606	17,033	1,644	5,454	1,035	NA	NA	38,772

1/The term Demand is used interchangeably with Consumption and Petroleum Products Supplied. See Appendix C for definition.

2/Data through 1990 are for the former West Germany. Beginning with January 1991, the data for Germany are for the unified Germany, i.e., the former East Germany and West Germany.

3/"OECD Europe" consists of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

4/U.S. geographic coverage is the 50 States and the District of Columbia.

5/"Other" consists of Australia, New Zealand, and the U.S. Territories.

P=Preliminary. R=Revised. NA=Not Applicable.

Sources: See end of Section 4.

Table 4.7 OECD¹/Total Net Imports 1982-1992
(Million Barrels per Day of Crude Oil, Natural Gas Liquids and Refined Products)

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
	Average										
Total.....	17.760	16.532	16.962	15.878	17.670	18.008	18.706	20.082	20.456	20.424	20.791
United States ² /.....	4.298	4.312	4.715	4.286	5.439	5.914	6.587	7.202	7.161	6.626	6.938
Canada.....	-.126	-.284	-.309	-.419	-.391	-.358	-.585	-.462	-.425	-.479	-.545
OECD Europe ³ /.....	8.663	7.781	7.675	7.381	7.893	7.742	7.774	7.994	8.210	8.594	8.462
Main European Importers											
France.....	1.791	1.667	1.724	1.654	1.682	1.742	1.718	1.711	1.750	1.869	1.784
Germany ⁴ /.....	2.114	2.087	2.115	2.166	2.380	2.281	2.279	2.112	2.202	2.664	2.739
Italy.....	1.751	1.579	1.618	1.603	1.642	1.718	1.590	1.716	1.788	1.771	1.840
Netherlands.....	.557	.532	.532	.515	.632	.562	.646	.635	.677	.690	.713
Spain.....	.964	.954	.855	.802	.747	.803	.869	.952	.950	.951	.999
European Net Exporters											
Norway.....	-.345	-.502	-.578	-.656	-.718	-.866	-1.036	-1.420	-1.543	-1.825	-2.102
United Kingdom....	-.600	-.906	-.829	-1.035	-1.067	-1.015	-.760	-.200	-.214	-.156	-.219
Smaller European Importers											
Austria.....	.172	.167	.176	.174	.188	.194	.185	.191	.201	.212	.209
Belgium.....	.437	.396	.374	.382	.456	.443	.451	.454	.442	.506	.517
Denmark.....	.192	.173	.165	.166	.150	.122	.107	.078	.063	.048	.032
Ireland.....	.091	.084	.081	.078	.098	.081	.076	.079	.095	.094	.097
Finland.....	.206	.212	.177	.207	.229	.242	.200	.220	.208	.211	.187
Greece.....	.207	.197	.197	.210	.245	.230	.242	.252	.273	.297	.326
Iceland.....	.010	.010	.010	.011	.011	.013	.012	.011	.011	.012	.011
Luxembourg.....	.022	.021	.021	.023	.024	.028	.028	.031	.034	.039	.040
Portugal.....	.184	.183	.185	.166	.183	.199	.198	.246	.250	.259	.279
Sweden.....	.394	.365	.300	.349	.379	.309	.313	.290	.324	.312	.320
Switzerland.....	.233	.259	.252	.257	.290	.254	.258	.254	.273	.273	.277
Turkey.....	.282	.304	.302	.310	.342	.402	.397	.384	.425	.366	.413
Japan.....	4.446	4.384	4.531	4.308	4.392	4.418	4.680	5.035	5.239	5.286	5.464
Other OECD.....	.478	.338	.350	.322	.338	.291	.250	.313	.270	.396	.471

1/ OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group.

2/ U.S. geographic coverage is the 50 States and District of Columbia.

3/ "OECD Europe" consists of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

4/ Data through 1990 are for the former West Germany.

Notes: o Imports are on a direct basis. o Negative numbers represent net exports. o A dash (-) indicates no trade.
o Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. Data prior to 1982 not available.
Data for 1991 and 1992 are preliminary.

Sources: See end of Section 4.

Table 4.8 OECD1/Imports from OPEC2/ 1982-1992
(Million Barrels per Day of Crude Oil, Natural Gas Liquids and Refined Products)

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
	Average										
Total.....	12.979	11.302	11.378	10.531	12.408	12.414	13.115	14.602	15.675	15.600	15.813
United States ^{3/}	2.099	1.790	1.987	1.756	2.750	3.025	3.455	4.036	4.236	4.002	4.012
Canada.....	.200	.152	.137	.128	.158	.155	.162	.205	.199	.210	.210
OECD Europe ^{4/}	6.815	5.721	5.548	5.395	6.163	5.628	5.873	6.205	6.656	6.857	6.854
Main European Importers											
France.....	1.281	1.009	.961	.884	.948	.684	.737	.875	1.101	1.101	.998
Germany ^{5/}	1.007	.868	.807	.787	.831	.679	.761	.739	.776	.871	.964
Italy.....	1.409	1.214	1.199	1.205	1.362	1.307	1.192	1.261	1.375	1.399	1.344
Netherlands.....	.535	.538	.584	.568	.771	.773	.875	.905	.862	.928	.926
Spain.....	.701	.615	.595	.553	.600	.564	.608	.689	.655	.702	.637
European Net Exporters											
Norway.....	.013	.007	.006	.005	.008	.002	.002	.003	.007	.014	.004
United Kingdom.....	.461	.310	.282	.308	.328	.277	.323	.342	.406	.377	.390
Smaller European Importers											
Austria.....	.080	.062	.081	.087	.090	.087	.082	.086	.097	.108	.115
Belgium.....	.361	.231	.197	.159	.288	.257	.302	.353	.313	.362	.359
Denmark.....	.030	.039	.049	.035	.025	.053	.067	.069	.044	.006	.001
Ireland.....	.004	.001	-	.000	.001	.001	-	-	.000	.000	.000
Finland.....	.034	.025	.020	.037	.021	.023	.011	.013	.013	.029	.033
Greece.....	.260	.206	.208	.197	.273	.279	.233	.244	.343	.298	.346
Portugal.....	.135	.134	.116	.113	.120	.101	.118	.156	.166	.139	.158
Sweden.....	.134	.079	.036	.051	.086	.062	.074	.064	.073	.105	.116
Switzerland.....	.065	.077	.075	.075	.068	.069	.051	.021	.038	.052	.051
Turkey.....	.303	.308	.332	.331	.344	.411	.439	.384	.388	.365	.412
Japan.....	3.388	3.260	3.372	2.983	3.036	3.198	3.309	3.789	4.070	4.038	4.206
Other OECD.....	.477	.378	.334	.268	.301	.408	.316	.367	.513	.493	.530

1/ OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group.

2/ OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

3/ U.S. geographic coverage is the 50 States and District of Columbia.

4/ "OECD Europe" consists of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

5/ Data through 1990 are for the former West Germany.

Notes: o Imports are on a direct basis. o Negative numbers represent net exports. o A dash (-) indicates no trade. o Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. Data prior to 1982 not available. Data for 1991 and 1992 are preliminary.

Sources: See end of Section 4.

Table 4.9 OECD 1/Imports from Persian Gulf^{2/} 1982-1992
(Million Barrels per Day of Crude Oil, Natural Gas Liquids and Refined Products)

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
	Average										
Imports from											
Persian Gulf											
Total.....	8.052	6.515	6.454	5.585	7.228	7.392	7.941	9.121	9.667	9.251	9.458
United States ^{3/}....	.691	.436	.502	.304	.909	1.072	1.526	1.857	1.961	1.835	1.774
Canada.....	.065	.052	.008	.011	.054	.054	.056	.069	.081	.084	.092
OECD Europe ^{4/}	4.334	3.165	2.968	2.560	3.513	3.330	3.428	3.754	3.908	3.660	3.667
Main European Importers											
France.....	.856	.587	.493	.476	.586	.459	.484	.647	.864	.708	.640
Germany ^{5/}.....	.475	.288	.242	.152	.232	.187	.197	.216	.217	.227	.215
Italy.....	.902	.746	.671	.583	.817	.782	.643	.619	.626	.595	.573
Netherlands.....	.342	.279	.345	.294	.509	.516	.587	.663	.647	.609	.650
Spain.....	.488	.399	.377	.264	.328	.295	.306	.352	.291	.281	.231
European Net Exporters											
Norway.....	.009	.005	.006	.003	.006	.002	-	-	.000	.011	.000
United Kingdom...	.323	.176	.144	.144	.173	.164	.212	.240	.250	.222	.220
Smaller European Importers											
Austria.....	.044	.026	.024	.023	.011	.026	.025	.022	.016	.021	.031
Belgium.....	.235	.104	.094	.088	.182	.162	.224	.277	.250	.279	.292
Denmark.....	.023	.031	.042	.022	.024	.047	.063	.067	.043	.004	.000
Ireland.....	.004	.001	-	.000	-	-	-	-	-	-	-
Finland.....	.033	.025	.020	.037	.021	.022	.011	.012	.011	.021	.023
Greece.....	.187	.132	.143	.122	.204	.211	.146	.181	.268	.219	.291
Portugal.....	.107	.097	.081	.076	.088	.069	.066	.085	.073	.067	.074
Sweden.....	.054	.017	.005	.006	.036	.029	.045	.043	.039	.064	.068
Switzerland.....	.020	.013	.012	.006	.008	.008	.007	.007	.007	.007	.007
Turkey.....	.233	.239	.268	.265	.289	.348	.411	.323	.307	.324	.349
Japan.....	2.674	2.638	2.773	2.533	2.557	2.637	2.691	3.173	3.394	3.370	3.586
Other OECD.....	.288	.225	.204	.176	.195	.299	.241	.267	.322	.301	.339

1/ OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group.

2/ "Persian Gulf" consists of Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and the United Arab Emirates.

3/ U.S. geographic coverage is the 50 States and District of Columbia.

4/ "OECD Europe" consists of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

5/ Data through 1990 are for the former West Germany.

Notes: o Imports are on a direct basis. o Negative numbers represent net exports. o A dash (-) indicates no trade.
o Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. Data prior to 1982 not available.
Data for 1991 and 1992 are preliminary.
Sources: See end of Section 4.

Table 4.10 United States^{1/}—Net Oil Imports 1982–1992
(Million Barrels per Day of Crude Oil, Natural Gas Liquids and Refined Products)

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
	Average										
Total Net Imports..	4.298	4.312	4.715	4.286	5.439	5.914	6.587	7.202	7.161	6.626	6.938
Imports from OPEC ^{2/} /	2.099	1.790	1.987	1.756	2.750	3.025	3.455	4.036	4.236	4.002	4.012
Imports from											
Persian Gulf ^{3/}											
Total.....	.691	.436	.502	.304	.909	1.072	1.526	1.857	1.961	1.835	1.774
Bahrain.....	-.001	-.001	-.001	-.001	.001	-.001	.000	-.001	-.001	-.001	-.002
Iran.....	.035	.048	.010	.027	.019	.098	.000	.000	.000	.032	.000
Iraq.....	.003	.010	.012	.046	.081	.083	.343	.449	.518	.000	.000
Kuwait.....	.005	.014	.036	.021	.068	.082	.092	.157	.086	.006	.051
U.A.E.....	.091	.029	.116	.044	.043	.059	.028	.027	.016	.001	.004
Qatar.....	.007	.000	.005	.000	.013	.000	.000	.002	.004	.000	.001
Saudi Arabia.....	.551	.336	.324	.168	.685	.751	1.063	1.224	1.339	1.797	1.720
Imports from OPEC-Africa											
Total.....	.750	.598	.598	.536	.737	.867	.934	1.134	1.144	1.040	1.000
Algeria.....	.170	.240	.323	.187	.271	.295	.300	.269	.280	.253	.196
Gabon.....	.041	.059	.058	.052	.026	.037	.016	.050	.064	.084	.124
Libya.....	.026	.000	.001	.004	.000	.000	.000	.000	.000	.000	.000
Nigeria.....	.513	.299	.216	.293	.440	.535	.618	.815	.800	.703	.680
Imports from											
OPEC-South America											
Total.....	.410	.420	.544	.602	.788	.801	.790	.861	1.016	1.020	1.161
Venezuela.....	.410	.420	.544	.602	.788	.801	.790	.861	1.016	1.020	1.161
Imports from OPEC-Far East											
Total.....	.247	.335	.342	.313	.317	.284	.205	.182	.113	.106	.075
Indonesia.....	.247	.335	.342	.313	.317	.284	.205	.182	.113	.106	.075

1/ U.S. geographic coverage is the 50 States and District of Columbia.

2/ OPEC—Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

3/ The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: o Imports are on a direct basis. o Negative numbers represent net exports. o A dash (-) indicates no trade.
o Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. Data prior to 1982 not available.
Data for 1991 and 1992 are preliminary.

Sources: See end of Section 4.

Table 4.11 Japan—Net Oil Imports 1982–1992
(Million Barrels per Day of Crude Oil, Natural Gas Liquids and Refined Products)

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
	Average										
Total Net Imports..	4.446	4.384	4.531	4.308	4.392	4.418	4.680	5.035	5.239	5.286	5.464
Imports from OPEC ^{1/}	3.388	3.260	3.372	2.983	3.036	3.198	3.309	3.789	4.070	4.038	4.206
Imports from Persian Gulf ^{2/}											
Total.....	2.674	2.638	2.773	2.533	2.557	2.637	2.691	3.173	3.394	3.370	3.586
Bahrain.....	.013	.024	.024	.026	.034	.037	.036	.042	.037	.037	.029
Iran.....	.228	.394	.258	.259	.220	.230	.187	.291	.385	.383	.362
Iraq.....	.070	.010	.015	.063	.164	.105	.173	.219	.146	.000	.000
Kuwait.....	.100	.156	.231	.215	.278	.347	.341	.458	.291	.014	.220
U.A.E.....	.584	.652	.674	.845	.890	.773	.822	.929	1.032	1.285	1.256
Qatar.....	.145	.147	.240	.220	.183	.139	.203	.250	.263	.285	.300
Saudi Arabia.....	1.534	1.254	1.330	.904	.789	1.005	.930	.984	1.240	1.367	1.420
Imports from OPEC-Africa											
Total.....	.060	.038	.012	.010	.016	.023	.044	.016	.020	.022	.015
Algeria.....	.055	.038	.012	.010	.015	.023	.044	.015	.010	.010	.007
Gabon.....	.002	-	-	-	-	-	-	.002	.009	.011	.009
Libya.....	.003	-	-	.001	.001	-	-	-	.001	.001	.000
Nigeria.....	-	-	-	-	-	-	-	-	-	-	-
Imports from OPEC-South America											
Total.....	.027	.023	.017	.014	.012	.012	.011	.011	.011	.010	.010
Venezuela.....	.027	.023	.017	.014	.012	.012	.011	.011	.011	.010	.010
Imports from OPEC-Far East											
Total.....	.639	.586	.594	.452	.486	.563	.599	.631	.682	.673	.624
Indonesia.....	.639	.586	.594	.452	.486	.563	.599	.631	.682	.673	.624

^{1/} OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

^{2/} The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: o Imports are on a direct basis. o Negative numbers represent net exports. o A dash (-) indicates no trade.
o Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. Data prior to 1982 not available.
Data for 1991 and 1992 are preliminary.

Sources: See end of Section 4.

Table 4.12 OECD Europe¹/—Net Oil Imports 1982–1992
(Million Barrels per Day of Crude Oil, Natural Gas Liquids and Refined Products)

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
	Average										
Total Net Imports..	8.663	7.781	7.675	7.381	7.893	7.742	7.774	7.994	8.210	8.594	8.462
Imports from OPEC ² /	6.815	5.721	5.548	5.395	6.163	5.628	5.873	6.205	6.656	6.857	6.854
Imports from Persian Gulf ³ /											
Total.....	4.334	3.165	2.968	2.560	3.513	3.330	3.428	3.754	3.908	3.660	3.667
Bahrain.....	.004	.005	.019	.004	.002	.001	.009	.005	.020	.002	.003
Iran.....	.845	.859	.841	.648	.511	.732	.850	1.076	1.190	1.132	1.113
Iraq.....	.424	.388	.516	.673	.717	.905	.959	.897	.591	.000	.000
Kuwait.....	.180	.251	.324	.356	.456	.469	.474	.452	.346	.019	.142
U.A.E.....	.371	.343	.265	.131	.164	.206	.134	.214	.446	.281	.199
Qatar.....	.127	.077	.118	.051	.054	.040	.021	.024	.026	.009	.006
Saudi Arabia.....	2.383	1.241	.884	.698	1.609	.978	.981	1.086	1.290	2.217	2.203
Imports from OPEC-Africa											
Total.....	2.179	2.228	2.318	2.524	2.398	2.089	2.230	2.241	2.533	2.947	2.913
Algeria.....	.644	.578	.574	.659	.615	.627	.646	.648	.683	.757	.772
Gabon.....	.052	.062	.067	.077	.090	.031	.031	.017	.024	.129	.095
Libya.....	.940	.940	.894	.948	.967	.962	1.071	1.044	1.267	1.333	1.361
Nigeria.....	.543	.647	.783	.841	.727	.469	.481	.532	.559	.729	.686
Imports from OPEC-South America											
Total.....	.299	.324	.267	.307	.252	.208	.220	.212	.227	.249	.268
Venezuela.....	.299	.324	.267	.307	.252	.208	.220	.212	.227	.249	.268
Imports from OPEC-Far East											
Total.....	.008	.010	.015	.008	.002	.002	.005	.004	.008	.002	.009
Indonesia.....	.008	.010	.015	.008	.002	.002	.005	.004	.008	.002	.009

1/ "OECD Europe" consists of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

2/ OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

3/ The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: o Imports are on a direct basis. o Negative numbers represent net exports. o A dash (-) indicates no trade. o Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. Data prior to 1982 not available. Data for 1991 and 1992 are preliminary.

Sources: See end of Section 4.

Table 4.13 France—Net Oil Imports 1982–1992
(Million Barrels per Day of Crude Oil, Natural Gas Liquids and Refined Products)

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
	Average										
Total Net Imports..	1.791	1.667	1.724	1.654	1.682	1.742	1.718	1.711	1.750	1.869	1.784
Imports from OPEC ^{1/}	1.281	1.009	.961	.884	.948	.684	.737	.875	1.101	1.101	.998
Imports from Persian Gulf ^{2/}											
Total.....	.856	.587	.493	.476	.586	.459	.484	.647	.864	.708	.640
Bahrain.....	.001	.003	.001	-	.001	-	.007	.002	.011	.000	.001
Iran.....	.078	.085	.068	.082	.065	.088	.012	.158	.182	.171	.151
Iraq.....	.030	.041	.072	.138	.109	.151	.143	.128	.062	.000	.000
Kuwait.....	.018	.019	.019	.035	.023	.044	.017	.021	.015	.011	.029
U.A.E.....	.134	.130	.089	.054	.035	-	.017	.040	.233	.064	.033
Qatar.....	.042	.018	.043	.034	.030	.002	.017	.009	.022	.003	.002
Saudi Arabia.....	.554	.291	.200	.134	.324	.175	.271	.288	.339	.459	.424
Imports from OPEC-Africa											
Total.....	.397	.394	.451	.387	.344	.212	.249	.218	.233	.376	.348
Algeria.....	.186	.149	.158	.109	.089	.072	.079	.089	.092	.107	.105
Gabon.....	.025	.011	.025	.043	.065	-	-	-	.000	.080	.066
Libya.....	.052	.065	.076	.070	.061	.064	.090	.065	.079	.104	.087
Nigeria.....	.133	.169	.192	.165	.129	.076	.079	.064	.062	.084	.090
Imports from OPEC-South America											
Total.....	.028	.031	.018	.020	.019	.012	.011	.012	.015	.017	.011
Venezuela.....	.028	.031	.018	.020	.019	.012	.011	.012	.015	.017	.011
Imports from OPEC-Far East											
Total.....	.001	-	.000	.002	.000	-	-	.000	.000	.001	.001
Indonesia.....	.001	-	.000	.002	.000	-	-	.000	.000	.001	.001

^{1/} OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

^{2/} The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: o Imports are on a direct basis. o Negative numbers represent net exports. o A dash (-) indicates no trade.
o Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. Data prior to 1982 not available.
Data for 1991 and 1992 are preliminary.

Sources: See end of Section 4.

Table 4.14 Germany^{1/}—Net Oil Imports 1982–1992
(Million Barrels per Day of Crude Oil, Natural Gas Liquids and Refined Products)

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
	Average										
Total Net Imports..	2.114	2.087	2.115	2.166	2.380	2.281	2.279	2.112	2.202	2.664	2.739
Imports from OPEC ^{2/}	1.007	.868	.807	.787	.831	.679	.761	.739	.776	.871	.964
Imports from Persian Gulf ^{3/}											
Total.....	.475	.288	.242	.152	.232	.187	.197	.216	.217	.227	.215
Bahrain.....	.001	.000	-	.000	-	-	-	-	-	-	-
Iran.....	.045	.042	.049	.053	.041	.020	.051	.041	.055	.053	.021
Iraq.....	.016	.030	.041	.008	.016	.052	.032	.009	.004	.000	.000
Kuwait.....	.013	.029	.026	.021	.021	.017	.013	.022	.013	.000	.009
U.A.E.....	.047	.029	.023	.006	.004	.024	.006	.023	.016	.012	.002
Qatar.....	.008	.015	.010	-	-	.001	.001	.002	.003	.002	.001
Saudi Arabia.....	.345	.142	.093	.064	.151	.072	.095	.119	.125	.161	.182
Imports from OPEC-Africa											
Total.....	.491	.475	.483	.532	.485	.405	.472	.436	.469	.537	.620
Algeria.....	.119	.104	.086	.130	.137	.146	.141	.106	.098	.126	.183
Gabon.....	.006	.003	.006	.003	.001	.004	-	-	.005	.013	.006
Libya.....	.233	.218	.200	.201	.152	.160	.237	.235	.244	.262	.252
Nigeria.....	.133	.150	.191	.197	.195	.095	.095	.095	.123	.136	.179
Imports from OPEC-South America											
Total.....	.042	.106	.082	.103	.113	.086	.091	.086	.088	.107	.128
Venezuela.....	.042	.106	.082	.103	.113	.086	.091	.086	.088	.107	.128
Imports from OPEC-Far East											
Total.....	.000	-	-	.000	.001	.002	-	-	.002	.000	.000
Indonesia.....	.000	-	-	.000	.001	.002	-	-	.002	.000	.000

1/ Data through 1990 are for the former West Germany.

2/ OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

3/ The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: o Imports are on a direct basis. o Negative numbers represent net exports. o A dash (-) indicates no trade. o Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. Data prior to 1982 not available. Data for 1991 and 1992 are preliminary.

Sources: See end of Section 4.

Table 4.15 Italy—Net Oil Imports 1982–1992
(Million Barrels per Day of Crude Oil, Natural Gas Liquids and Refined Products)

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
	Average										
Total Net Imports..	1.751	1.579	1.618	1.603	1.642	1.718	1.590	1.716	1.788	1.771	1.840
Imports from OPEC ^{1/}	1.409	1.214	1.199	1.205	1.362	1.307	1.192	1.261	1.375	1.399	1.344
Imports from Persian Gulf ^{2/}											
Total.....	.902	.746	.671	.583	.817	.782	.643	.619	.626	.595	.573
Bahrain.....	.001	.000	-	.002	.001	.000	-	.001	.000	.001	.001
Iran.....	.258	.238	.190	.146	.135	.141	.093	.124	.192	.231	.239
Iraq.....	.117	.096	.098	.139	.114	.167	.198	.138	.079	.000	.000
Kuwait.....	.072	.087	.108	.132	.147	.142	.118	.093	.063	.000	.007
U.A.E.....	.036	.067	.053	.024	.051	.109	.060	.085	.075	.044	.013
Qatar.....	.029	.013	.018	.007	.004	.029	.002	.008	.000	.004	.001
Saudi Arabia.....	.390	.244	.204	.134	.364	.194	.171	.171	.216	.315	.312
Imports from OPEC-Africa											
Total.....	.409	.393	.450	.552	.507	.489	.517	.627	.740	.799	.758
Algeria.....	.117	.062	.067	.110	.087	.109	.108	.150	.155	.155	.140
Gabon.....	.001	.009	.001	.001	.001	-	.001	.001	.000	.006	.000
Libya.....	.226	.225	.261	.299	.309	.342	.389	.430	.556	.581	.584
Nigeria.....	.066	.097	.121	.142	.110	.038	.019	.045	.029	.057	.034
Imports from OPEC-South America											
Total.....	.097	.075	.076	.072	.039	.037	.029	.014	.007	.004	.005
Venezuela.....	.097	.075	.076	.072	.039	.037	.029	.014	.007	.004	.005
Imports from OPEC-Far East											
Total.....	.002	-	.001	-	-	-	.002	.002	.003	.001	.009
Indonesia.....	.002	-	.001	-	-	-	.002	.002	.003	.001	.009

^{1/} OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

^{2/} The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: o Imports are on a direct basis. o Negative numbers represent net exports. o A dash (-) indicates no trade.
o Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. Data prior to 1982 not available.
Data for 1991 and 1992 are preliminary.

Sources: See end of Section 4.

Table 4.16 OECD1/ Imports from Iraq 1982-1992
(Million Barrels per Day of Crude Oil, Natural Gas Liquids and Refined Products)

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
	Average										
Total.....	0.496	0.408	0.542	0.784	0.964	1.103	1.489	1.581	1.276	0.000	0.000
United States2/.....	.003	.010	.012	.046	.081	.083	.343	.449	.518	.000	.000
Canada.....	-	-	-	-	-	.010	.001	.013	.011	.000	.000
OECD Europe3/.....	.424	.388	.516	.673	.717	.905	.959	.897	.591	.000	.000
Main European Importers											
France.....	.030	.041	.072	.138	.109	.151	.143	.128	.062	.000	.000
Germany4/.....	.016	.030	.041	.008	.016	.052	.032	.009	.004	.000	.000
Italy.....	.117	.096	.098	.139	.114	.167	.198	.138	.079	.000	.000
Netherlands.....	.007	.003	.021	.022	.067	.034	.039	.101	.117	.000	.000
Spain.....	.059	.042	.071	.123	.117	.080	.092	.109	.063	.000	.000
European Net Exporters											
United Kingdom....	.021	.013	.008	.041	.071	.082	.070	.034	.027	.000	.000
Smaller European Importers											
Austria.....	.002	-	.006	.007	-	.015	.007	.000	.000	.000	.000
Belgium.....	.008	.033	.038	.019	.026	.049	.037	.047	.029	.000	.000
Denmark.....	-	-	-	.000	-	.001	-	-	.000	.000	.000
Greece.....	.028	.027	.060	.038	.030	.065	.059	.052	.044	.000	.000
Portugal.....	.025	.014	.016	.018	.024	.019	.029	.024	.019	.000	.000
Sweden.....	-	-	-	.000	-	.003	.003	.005	.000	.000	.000
Switzerland.....	-	-	-	-	-	.000	-	.000	.000	.000	.000
Turkey.....	.111	.090	.086	.121	.143	.188	.250	.250	.146	.000	.000
Japan.....	.070	.010	.015	.063	.164	.105	.173	.219	.146	.000	.000
Other OECD.....	.000	.000	-.001	.001	.002	.000	.013	.003	.011	.000	.000

1/ OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group.

2/ U.S. geographic coverage is the 50 States and District of Columbia.

3/ "OECD Europe" consists of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

4/ Data through 1990 are for the former West Germany.

Notes: o Imports are on a direct basis. o Negative numbers represent net exports. o A dash (-) indicate no trade. o Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. Data prior to 1982 not available. Data for 1991 and 1992 are preliminary.

Sources: See end of Section 4.

Table 4.17 OECD1/ Imports from Kuwait 1982-1992
(Million Barrels per Day of Crude Oil, Natural Gas Liquids and Refined Products)

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
	Average										
Total.....	0.309	0.456	0.631	0.624	0.829	0.925	0.936	1.084	0.740	0.039	0.414
United States ^{2/}.....	.005	.014	.036	.021	.068	.082	.092	.157	.086	.006	.051
Canada.....	.000	.003	-	-	-	-	-	-	.004	-	-
OECD Europe ^{3/}.....	.190	.251	.324	.356	.456	.469	.474	.452	.346	.019	.142
Main European Importers											
France.....	.018	.019	.019	.035	.023	.044	.017	.021	.015	.011	.029
Germany ^{4/}.....	.013	.029	.026	.021	.021	.017	.013	.022	.013	.000	.009
Italy.....	.072	.087	.108	.132	.147	.142	.118	.093	.063	.000	.007
Netherlands.....	.038	.065	.095	.098	.122	.150	.189	.194	.151	.002	.052
Spain.....	.013	.001	.003	.003	.020	.015	.030	.015	.010	.003	.000
European Net Exporters											
United Kingdom.....	.015	.011	.016	.023	.014	.011	.006	.006	.045	.002	.027
Smaller European Importers											
Austria.....	-	-	-	-	-	-	.004	.002	.000	.000	.000
Belgium.....	.001	.001	.005	.002	.006	.000	-	-	.000	.001	.006
Denmark.....	-	.023	.032	.021	.020	.045	.060	.066	.034	.000	.000
Finland.....	-	-	-	.000	-	-	-	-	-	.000	.002
Greece.....	-	-	.009	.005	.038	.030	.015	.009	.000	.000	.000
Portugal.....	-	-	-	-	-	.001	.003	.003	.002	.000	.000
Sweden.....	-	-	-	.002	-	-	-	.001	.001	.000	.000
Switzerland.....	-	-	-	-	-	-	-	-	-	.000	.010
Turkey.....	.011	.014	.011	.012	.046	.013	.019	.019	.011	.000	.010
Japan.....	.100	.156	.231	.215	.278	.347	.341	.458	.291	.014	.220
Other OECD.....	.024	.032	.039	.032	.028	.026	.029	.017	.013	.000	.001

1/ OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group.

2/ U.S. geographic coverage is the 50 States and District of Columbia.

3/ "OECD Europe" consists of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

4/ Data through 1990 are for the former West Germany.

Notes: o Imports are on a direct basis. o Negative numbers represent net exports. o A dash (-) indicates no trade.
o Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. Data prior to 1982 not available.
Data for 1991 and 1992 are preliminary.

Sources: See end of Section 4.

Sources for Section 4 (Historical Oil Data)

Crude Oil Production, Natural Gas Liquids Production, Other Liquids, and Refinery Gain

United States: Energy Information Administration (EIA), Petroleum Supply Annual 1992 and Bureau of Mines, Mineral Industry Surveys, Petroleum Statement, Annual, various issues.

Other Countries: EIA, International Energy Annual, various issues.

EIA, International Petroleum Annual, 1978. United Nations, Yearbook of World Energy Statistics, 1979.

Refinery Gains: National Petroleum Council, U.S. Petroleum Refinery Study, October 1986.

Oil Stocks

United States: EIA, Petroleum Supply Annual 1992.

Other OECD Countries: Organization for Economic Cooperation and Development (OECD), Quarterly Oil Statistics and Energy Balances, various issues.

o OECD, Monthly Oil Statistics data base, 1980-1993.

Oil Demand

United States: EIA, Petroleum Supply Annual 1992.

Other OECD Countries: OECD, Quarterly Oil Statistics and Energy Balances, various issues. o OECD, Annual Oil Statistics data base, 1970-1979. o OECD, Monthly Oil Statistics data base, 1980-1993.

Oil Imports

United States: Energy Information Administration (EIA), Petroleum Supply Annual 1992.

Other OECD Countries: Organization for Economic Cooperation and Development (OECD), Quarterly Oil Statistics and Energy Balances, various issues.

Appendix A

Organizational and Geographical Definitions

Appendix A. Organizational and Geographical Definitions

International Energy Agency (IEA) countries are: Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Japan, Luxembourg, the Netherlands, New Zealand, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, the United Kingdom, and the United States.

Organization for Economic Cooperation and Development (OECD) countries are: Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Japan, Luxembourg, the Netherlands, New Zealand, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, the United Kingdom, and the United States. Total OECD includes the United States Territories (Guam, Puerto Rico, and the U.S. Virgin Islands).

OECD Europe countries are: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

Organization of Petroleum Exporting Countries (OPEC) members are: Algeria, Gabon, Indonesia, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, the United Arab Emirates, and Venezuela. As of December 31, 1992, Ecuador withdrew its membership in OPEC. For consistency, Ecuador is excluded in the historical series of OPEC totals.

Arab members of OPEC are: Algeria, Iraq, Kuwait, Libya, Qatar, Saudi Arabia and the United Arab Emirates.

Organization of Arab Petroleum Exporting Countries (OAPEC) are: Algeria, Bahrain, Egypt, Iraq, Kuwait, Libya, Neutral Zone, Qatar, Saudi Arabia, Syria, Tunisia, and the United Arab Emirates. In April 1979 Egypt was suspended from OAPEC membership. In May 1989 Egypt rejoined OAPEC. For consistency, Egypt is included in the historical series of the OAPEC totals.

Persian (Arabian) Gulf countries are: Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and the United Arab Emirates.

Appendix B

Explanatory Notes

Appendix B. Explanatory Notes

Note 1: World Oil Supply

Supply includes production of crude oil (including lease condensate), natural gas plant liquids, other hydrogen and hydrocarbons for refinery feedstocks, refinery gain, alcohol, and liquids produced from coal and other sources. Beginning in 1993, U.S. data includes fuel ethanol blended into finished motor gasoline and oxygenate production from merchant MTBE plants.

Note 2: Oil Stocks

The International Energy Agency (IEA) assembles and reports total oil stock data for the member countries of the Organization for Economic Cooperation and Development (OECD). Oil stocks include crude oil (including strategic reserves), unfinished oils, natural gas plant liquids, and refined petroleum products. In its report titled Quarterly Oil Statistics and Energy Balances of OECD Countries, the IEA defines oil stocks as follows: "All non-military stocks held by importers (including all final consumers directly), refiners, Governments, major non-importing final consumers eligible under IEA/OECD commitments and by foreign entities in the following facilities: bulk terminals, refinery tanks, pipeline tankage, barges, intercoastal tankers (when port of departure and destination are in the reporting country), tankers in port (to the extent that their cargo is to be unloaded in the reporting country), and inland ship bunkers. Oil is reported regardless of the ownership of such storage facilities." IEA data exclude "oil held in pipelines, rail and truck tank cars, sea-going ships' bunkers, service stations, retail stores and tankers at sea." Also the IEA defines the United States to be the 50 States and the District of Columbia, and the U.S. Territories (Guam, Puerto Rico, and the U.S. Virgin Islands).

The Energy Information Administration (EIA) does not include the United States Territories in its statistical definition of the United States. Further, the EIA includes oil in oil pipelines as part of its stock data. Tables 1.5, 1.6, 2.3, and 4.4 include oil stocks for the United States according to EIA definitions. Using IEA definitions, at the end of June 1993 United States (including territories) oil stocks totaled 1,513 million barrels.

Note 3: A Change to the Oil Balance in Section 2.

Prior to August 1992, Section 2 of the International Petroleum Statistics Report presented a balance of oil supply, demand, and stock change for the Market Economies, at quarterly time intervals. The communist countries, or Centrally Planned Economies (CPEs) were not included in the balance, mainly because good quarterly data for oil demand in these countries were not available. Net imports from the CPEs were included in the balance as part of total Market Economies supply. At present, the former Soviet Union and most of the countries of Eastern Europe are in transition from communism to market economies; because of this there are no longer good political or economic reasons to publish an oil balance only for the countries that have traditionally been market economies. Beginning with the August 1992 edition, Section 2 of the International Petroleum Statistics Report was changed from a Market Economies oil balance to a world oil balance.

The main data issues related to this change may be summarized as follows.

Supply Data. Monthly oil supply data are available for all countries of the world. These data are used to generate Tables 1.1 to 1.4; they were used to expand the Section 2 supply table (Table 2.2) to the whole world.

Demand Data. EIA has now developed quarterly figures for world oil demand, including demand in the former CPEs; these are published in Table 4 of EIA's Short-Term Energy Outlook. The procedures involved in developing

quarterly world demand numbers may be summarized as follows.

Complete monthly data are available for the 23 OECD countries. Annual demand data for all countries (about 200 countries) are presented in EIA's International Energy Annual. In 1990, the OECD accounted for about three-fifths of total world demand, the 25 largest consumers outside of the OECD accounted for about one-third of the total. The key problem, therefore, is to develop good figures for the 25 largest consumers outside the OECD.

Of these 25 countries, by far the largest consumer is the former Soviet Union, which in 1990 accounted for about one-third of the demand in the group of 25. The next largest consumer is China, which in 1990 accounted for about one-tenth of the demand in the group. Thus in 1990 the former Soviet Union and China accounted for almost half of the demand in the group of 25. For these 2 countries, data are available on oil production and net exports. The demand numbers shown in Section 2 are computed as production minus net exports. This is the same procedure used in the EIA Short-Term Energy Outlook, by the International Energy Agency in their Monthly Oil Market Report, and in other respected publications that deal with international oil markets. Note, however, that this method of computing demand ignores both refinery gain and stock changes.

For other major consuming countries outside of the OECD, quarterly demand data are developed based upon the latest available annual data, analytic judgment about current trends, and some seasonal adjustments. These are the same procedures used for the Short-Term Energy Outlook.

Stocks Data. Reliable stocks data are available for the OECD countries. Estimates of stocks for export and afloat, and of commercial floating stocks, are available. (See sources at the end of Section 2.)

For on-land stocks outside the OECD, there is little reliable data. Most estimates of on-land stocks outside the OECD are based on the theory that stocks are approximately equal to some number of days of demand. Demand figures (which themselves involve some degree of estimation) are then used to compute estimates of stock levels.

In the International Petroleum Statistics Report, it had been the practice for some time to estimate that on-land stocks in the traditional market economies outside of the OECD were equal to 55 days of demand. This was acceptable, mainly because the rule was used only to estimate a relatively small part of total stocks (about 16 percent).

When Section 2 was converted from a Market Economies oil balance to a world oil balance, there were important changes in the conditions that made it reasonable to estimate on-land stocks outside of the OECD using the rule of 55 days of demand. When the CPEs are included, the stocks that must be estimated are a considerably larger part of the total. In 1990, total oil demand in the former CPEs was more than 80 percent as large as demand in all of the non-OECD traditional market economies. Thus the quantity of stocks that would have to be estimated using a 55-day rule would nearly double, and the estimated components of stock levels and stock changes would become relatively large parts of the total. One consequence of this is that the statistical discrepancy (as shown in Table 2.1) would become less useful as an indicator of the overall consistency of the data. The statistical discrepancy is computed from supply, demand, and stock change. If a large part of the stock change is estimated, then the statistical discrepancy loses much of its significance.

As already noted, quarterly demands in the former Soviet Union and in China are computed as production minus net exports. This computation implicitly assumes a zero stock change. Demand in the former Soviet Union is falling. If we were to use a 55-day rule to compute stock levels, falling demand would imply falling stock levels. This would contradict the assumption of zero stock change which was used in computing demand.

In view of all this, the following approach has been adopted. Table 2.3 now shows levels of stocks for the OECD countries, levels of stocks for export and afloat, and levels of commercial floating storage. Stock changes based on these stock levels are shown in Table 2.1. At this time, no other stock levels are shown. Table 2.1 now has a single line labelled "Other Stock Draw and Statistical Discrepancy", which contains the computed values needed to make the table balance.

It may become possible in the future to obtain reliable information on certain categories of on-land stocks outside the OECD. If such data become available, they will be added to Table 2.3, and the corresponding stock change information will be added to Table 2.1.

Changes in Formats and Sign Conventions. There were several changes in Section 2 to make the International Petroleum Statistics Report more consistent with other EIA publications, especially with the Short-Term Energy Outlook. The numbers were changed from 1 decimal place to 2 decimal places. The word "consumption", as used before August 1992, was changed to "demand". The sign convention for stock changes in Table 2.1 was changed. Stock draws are now indicated by positive numbers, and stock additions are indicated by negative numbers. Table 2.1 also uses a new sign convention for the line labelled "Other Stock Draw and Statistical Discrepancy". The values in this line are now computed as Total Demand minus the sum of Total Supply and Total Reported Stock Draw. This is the reverse of the sign convention used before August 1992.

Summary. Section 2 was expanded from a Market Economies oil balance to a world oil balance. Supply data are tracked for all producing countries. Demand data are tracked for the 23 OECD countries, and for 25 large consumers outside of the OECD. Demand for the remaining countries (less than 10 percent of total demand) is estimated, for years that are not yet available in the International Energy Annual. The stock levels in these tables are based on reported data for the OECD and for stocks at sea. The line in Table 2.1 labelled "Other Stock Draw and Statistical Discrepancy" is a balancing item.



Appendix C

Glossary

Appendix C. Glossary

Alcohol. The family name of a group of organic chemical compounds composed of carbon, hydrogen, and oxygen. The molecules in the series vary in chain length and are composed of a hydrocarbon plus a hydroxyl group. Alcohol includes methanol and ethanol.

Demand (Consumption/Petroleum Products Supplied). Total petroleum products supplied is the sum of all petroleum products supplied. For each product, the amount supplied is calculated by summing production, crude oil burned directly, imports, and net withdrawals from primary stocks and subtracting exports.

Crude Oil. A mixture of hydrocarbons that existed in liquid phase in underground reservoirs and remains liquid at atmospheric pressure after passing through surface-separating facilities. Crude oil production is measured at the wellhead and includes lease condensate.

Government-Owned Stocks. Oil stocks owned by the national government and held for national security. In the United States these stocks are known as the Strategic Petroleum Reserve.

Lease Condensate. A liquid recovered from natural gas at the well or at small gas/oil separators in the field. Consists primarily of pentanes and heavier hydrocarbons (also called field condensate).

Natural Gas Plant Liquids. Products obtained from processing natural gas at natural gas processing plants, including natural gasoline plants, cycling plants, and fractionators. Products obtained include ethane, liquefied petroleum gases, (propanes, butane, propane-butane mixtures, and ethane-propane mixtures), isopentane, natural gasoline, unfractionated streams, plant condensate, and other minor quantities of finished products, such as motor gasoline, special naphthas, jet fuel, kerosene, and distillate fuel oil.

Oil Stocks. Oil stocks include crude oil (including strategic reserves), unfinished oils, natural gas plant liquids, and refined petroleum products. See Explanatory Note 2.

Other Hydrocarbons. Other materials processed at refineries. Includes coal tar derivatives, hydrogen, gilsonite, and natural gas received by the refinery for reforming into hydrogen.

Oxygenates. Any substance which, when added to gasoline, increases the amount of oxygen in that gasoline blend. They include: Fuel Ethanol, Methanol, and MTBE (Methyl tertiary butyl ether).

Petroleum Products. Petroleum products are obtained from the processing of crude oil (including lease condensate), natural gas, and other hydrocarbon compounds. Petroleum products include unfinished oils, aviation gasoline, motor gasoline, naphtha-type jet fuel, kerosene-type jet fuel, kerosene, distillate fuel oil, residual fuel oil, ethane, liquefied petroleum gases, petrochemical feedstocks, special naphthas, lubricants, paraffin wax, petroleum coke, asphalt road oil, still gas, and other miscellaneous products.

Processing Gain. The amount by which the total volume of refinery output is greater than the volume of input for a given period of time. The processing gain arises when crude oil and other hydrocarbons are processed into products that are, on average, less dense than the input.

Processing Loss. The amount by which the total volume of refinery output is less than the volume of input for a given period of time. The processing loss arises when crude oil and other hydrocarbons are processed into products that are, on average, more dense than the input.

Appendix D

Estimation Procedures

Appendix D. Estimation Procedures

Estimation procedures are used for demand numbers in many of the countries outside of the OECD, in cases where data from EIA's International Energy Annual are not yet available. The International Energy Annual, 1992, published in December 1993, presents final demand data for all countries for 1991, and preliminary demand data for 1992. The status of the demand numbers shown in Section 2 of this current International Petroleum Statistics Report may be summarized as follows. The OECD demand numbers are, as usual, based on the latest Quarterly Oil Statistics and Monthly Oil Statistics tapes from the International Energy Agency.

For countries outside of the OECD, the following approach is used. The 1991 numbers match the currently published International Energy Annual. Numbers for 1992 and 1993 are the best available EIA estimates, based upon the best annual data currently available, analytic judgment about current trends, and some seasonal adjustments. These are the same numbers that appear in the international oil balance table in EIA's Short-Term Energy Outlook.

The 2 largest non-OECD oil consumers are the former Soviet Union and China. For these 2 countries, published data are available on production and net exports. Demand is computed as production minus net exports. This is the same approach used in the Short-Term Energy Outlook, by the International Energy Agency in their Monthly Oil Market Report and in other major publications dealing with international oil data. Note, however, that because of this computation, the demand numbers for the former Soviet Union and China implicitly exclude stock draw and refinery gain.

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