International Petroleum Statistics Report

September 1991

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International Petroleum Statistics Report

September 1991

Energy Information Administration
Office of Energy Markets and End Use
U.S. Department of Energy
Washington, DC 20585

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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, assemble, analyze and disseminate data and information ..."

The International Petroleum Statistics Report presents data on international oil production, consumption, imports, exports, and stocks. The report has three sections. Section 1 contains time series on world oil production, and on oil consumption and stocks in the Organization for Economic Cooperation and Development (OECD). This section contains annual data beginning in 1973, and monthly data for the most recent two years. Section 2 presents an oil supply/consumption balance for the market economies (i.e. non-communist countries). 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 beginning in 1982, and quarterly data for the most recent two years.

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. Questions about this information may be referred to Louis D. DeMouy, Chief of the EIA's International Statistics Branch, at (202) 586-6557 or Patricia A. Smith at (202) 586-6925 or to Michael J. Maloney, Team Leader of the Branch's Operations Team, at (202) 586-9415.

Recent International Developments

- o OPEC's average crude oil production (excluding condensate) for August 1991 was estimated to be 23.6 to 23.7 million barrels per day (MMBD). The largest producers were Saudi Arabia (including a share of the Neutral Zone) (8.4 to 8.5 MMBD), Iran (3.3 to 3.4 MMBD), the United Arab Emirates (2.2 to 2.3 MMBD), and Venezuela (2.2 to 2.3 MMBD).
- o 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 1991 indicated a decrease of 1.3 MMBD from the third quarter of 1990. The IEA estimates that oil consumption in the third quarter of 1991 was 36.9 MMBD.
- o Company-owned oil stocks on land in OECD countries are estimated by the IEA to have increased by 0.5 MMBD during the second quarter of 1991. Government-owned oil stocks remained unchanged in the second quarter of 1991. The IEA estimates that total oil stocks in the OECD increased by 0.5 MMBD during the second quarter of 1991.

NOTE

Data for Germany are reported according to the system introduced in the July 1991 edition. Data through December 1990 are for West Germany only. Data beginning with January 1991 are for the unified Germany, that is, for both the former West Germany and the former East Germany.

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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 ²	United Arab Emirates	Arab Members of OPEC ²	Indonesia	Iran
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	1,972	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....	1,100	2,822	1,802	1,145	391	5,064	1,960	14,284	1,409	2,863
1990										
January....	1,160	2,900	1,995	1,200	370	5,595	2,055	15,275	1,250	2,700
February....	1,160	2,900	1,995	1,350	380	5,695	2,030	15,510	1,250	3,000
March....	1,160	2,900	2,175	1,300	400	5,825	2,055	15,815	1,350	3,000
April....	1,160	2,950	1,950	1,250	400	5,950	2,100	15,760	1,400	2,900
May....	1,160	3,100	1,950	1,250	365	5,450	2,110	15,385	1,350	3,200
June....	1,160	3,200	1,755	1,250	365	5,455	2,050	15,235	1,350	3,100
July....	1,160	3,400	1,850	1,250	370	5,450	2,050	15,530	1,380	3,050
August....	1,160	1,000	100	1,400	400	5,850	1,650	11,560	1,450	3,300
September....	1,190	500	100	1,400	400	7,740	2,200	13,530	1,470	3,300
October....	1,210	450	75	1,550	400	7,810	2,310	13,805	1,475	3,000
November....	1,210	425	75	1,500	400	8,310	2,375	14,295	1,500	3,200
December....	1,210	425	75	1,500	370	8,570	2,450	14,600	1,550	3,300
1990 Average....	1,175	2,008	1,170	1,350	385	6,477	2,120	14,685	1,399	3,088
1991										
January....	1,210	250	50	1,500	350	8,140	2,500	14,000	1,630	3,200
February....	1,210	0	0	1,500	390	8,200	2,525	13,825	1,630	3,300
March....	1,210	0	0	1,450	390	8,000	2,550	13,600	1,630	3,400
April....	1,210	200	0	1,450	390	7,400	2,550	13,200	1,630	3,300
May....	1,210	350	0	1,450	390	7,400	2,350	13,150	1,630	3,300
June....	1,210	375	75	1,450	390	8,150	2,350	14,000	1,630	3,300
July....	1,210	375	165	1,450	390	8,475	2,350	14,415	1,680	3,300
1991 Average....	1,210	224	42	1,464	384	7,965	2,453	13,742	1,637	3,300

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 resumed in June 1991. In July 1991, total production in that area was about 150 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	Venezuela	Total OPEC ^{3/}	Canada	Mexico	United Kingdom	United States ^{4/}	China	USSR	Other ^{5/}	World
1980 Average....	2,055	2,168	26,985	1,435	1,936	1,622	8,597	2,114	11,460	5,204	59,353
1981 Average....	1,433	2,102	22,843	1,285	2,313	1,811	8,572	2,012	11,552	5,390	55,778
1982 Average....	1,295	1,895	19,145	1,271	2,748	2,065	8,649	2,045	11,615	5,646	53,184
1983 Average....	1,241	1,801	17,891	1,356	2,689	2,291	8,688	2,120	11,684	6,248	52,967
1984 Average....	1,388	1,798	17,857	1,438	2,780	2,480	8,879	2,296	11,576	6,897	54,203
1985 Average....	1,495	1,677	16,634	1,471	2,745	2,530	8,971	2,505	11,250	7,540	53,646
1986 Average....	1,467	1,787	18,734	1,474	2,435	2,539	8,680	2,620	11,540	7,850	55,872
1987 Average....	1,341	1,752	18,846	1,535	2,548	2,406	8,349	2,690	11,690	8,242	56,306
1988 Average....	1,450	1,903	20,785	1,616	2,512	2,232	8,140	2,730	11,823	8,669	58,507
1989 Average....	1,693	1,907	22,655	1,560	2,513	1,788	7,613	2,760	11,420	9,305	59,614
1990											
January....	1,750	1,990	23,505	1,460	2,515	1,924	7,546	2,800	11,260	9,524	60,535
February....	1,750	2,140	24,200	1,480	2,515	1,824	7,497	2,780	10,898	9,601	60,796
March....	1,750	2,040	24,515	1,585	2,505	1,949	7,433	2,750	11,260	9,687	61,685
April....	1,850	2,040	24,510	1,530	2,505	1,929	7,407	2,750	11,074	9,711	61,417
May....	1,750	2,040	24,255	1,510	2,480	1,899	7,328	2,750	10,905	9,718	60,846
June....	1,750	2,040	24,025	1,490	2,460	1,844	7,106	2,760	10,732	9,607	60,024
July....	1,750	2,040	24,300	1,525	2,480	1,755	7,173	2,720	10,645	9,526	60,125
August....	1,850	2,090	20,820	1,525	2,530	1,635	7,287	2,755	10,527	9,543	56,622
September....	1,900	2,290	23,060	1,530	2,620	1,765	7,224	2,815	10,439	9,738	59,191
October....	1,950	2,275	23,090	1,580	2,640	1,870	7,542	2,780	10,173	9,855	59,530
November....	1,950	2,320	23,855	1,550	2,660	1,832	7,587	2,805	10,121	10,140	60,350
December....	1,950	2,340	24,330	1,575	2,660	1,682	7,338	2,765	10,149	10,076	60,575
1990 Average....	1,829	2,137	23,700	1,529	2,548	1,825	7,355	2,769	10,681	9,728	60,135
1991											
January....	1,960	2,390	23,770	1,580	2,660	1,675	7,418	2,785	10,295	10,118	60,301
February....	1,960	2,390	23,700	1,560	2,674	1,905	7,548	2,795	9,600	10,152	59,934
March....	1,960	2,390	23,575	1,560	2,669	2,069	7,481	2,790	10,010	10,145	60,299
April....	1,960	2,340	23,025	1,530	2,655	1,525	7,467	2,795	9,955	R10,036	R58,988
May....	1,960	2,340	22,955	1,545	2,695	1,395	7,368	2,795	9,870	R10,133	R58,756
June....	1,910	2,340	23,755	1,565	2,720	1,525	7,282	2,805	9,470	R9,875	R58,997
July....	1,910	2,340	24,240	1,605	2,700	1,805	7,360	2,805	9,470	9,936	59,921
1991 Average....	1,946	2,361	23,574	1,564	2,682	1,699	7,416	2,796	9,814	10,056	59,601

^{3/}Total OPEC^m consists of Algeria, Ecuador, 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 USSR.

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

Notes: a 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 OPEC/ Crude Oil Production (Excluding Condensate)
(Thousand Barrels per Day)

	Algeria	Ecuador	Gabon	Indo- nesia	Iran	Iraq	Kuwait ²	Libya	Nigeria	Qatar	Saudi Arabia ²	United Arab Emirates	Vene- zuela	Total OPEC
1980 Average...	1,006	204	175	1,497	1,662	2,514	1,656	1,787	2,045	472	9,900	1,704	2,147	26,769
1981 Average...	802	211	151	1,513	1,380	1,000	1,125	1,140	1,423	405	9,815	1,469	2,083	22,517
1982 Average...	712	211	156	1,247	2,214	1,012	823	1,150	1,285	330	6,483	1,215	1,878	18,716
1983 Average...	648	237	157	1,245	2,440	1,005	1,064	1,105	1,231	295	5,086	1,109	1,768	17,390
1984 Average...	694	258	157	1,279	2,174	1,209	1,157	1,087	1,368	394	4,663	1,091	1,689	17,220
1985 Average...	702	281	172	1,181	2,250	1,433	1,023	1,059	1,475	301	3,388	1,133	1,558	15,956
1986 Average...	600	293	166	1,257	2,035	1,690	1,419	1,034	1,447	308	4,870	1,270	1,645	18,034
1987 Average...	648	174	155	1,189	2,298	2,079	1,585	1,034	1,291	293	4,265	1,441	1,587	17,977
1988 Average...	640	R302	R159	R1,177	R2,240	R2,685	1,492	R1,175	1,400	R346	R5,086	R1,465	1,715	R19,882
1989 Average...	695	279	220	1,231	2,863	2,822	1,802	1,145	1,638	391	5,064	1,883	1,747	21,780
1990														
January...	750	280	260	1,100	2,700	2,900	1,995	1,200	1,700	370	5,595	2,000	1,950	22,800
February...	750	280	270	1,100	3,000	2,900	1,995	1,350	1,700	380	5,695	1,975	2,100	23,495
March...	750	280	280	1,200	3,000	2,900	2,175	1,300	1,700	400	5,825	2,000	2,000	23,810
April...	750	280	280	1,250	2,900	2,950	1,950	1,250	1,800	400	5,450	2,050	2,000	23,810
May...	750	280	250	1,200	3,200	3,100	1,950	1,250	1,700	365	5,450	2,060	2,000	23,555
June...	750	280	270	1,200	3,100	3,200	1,755	1,250	1,700	365	5,455	2,000	2,000	23,325
July...	750	280	270	1,230	3,050	3,400	1,850	1,250	1,700	370	5,450	2,000	2,000	23,600
August...	750	300	270	1,300	3,300	1,000	100	1,400	1,800	400	5,850	1,600	2,050	20,120
September...	780	290	280	1,320	3,300	500	100	1,400	1,850	400	7,740	2,150	2,250	22,360
October...	800	290	295	1,325	3,000	450	75	1,550	1,900	400	7,810	2,260	2,235	22,390
November...	800	290	300	1,350	3,200	425	75	1,500	1,900	400	8,310	2,325	2,280	23,155
December...	800	290	300	1,400	3,300	425	75	1,500	1,900	370	8,570	2,400	2,300	23,630
1990 Average...	765	285	277	1,249	3,088	2,008	1,170	1,350	1,779	385	6,477	2,068	2,097	22,998
1991														
January...	800	290	300	1,450	3,200	250	50	1,500	1,900	350	8,140	2,450	2,350	23,030
February...	800	295	300	1,450	3,300	0	0	1,500	1,900	390	8,200	2,475	2,350	22,960
March...	800	295	300	1,450	3,400	0	0	1,450	1,900	390	8,000	2,500	2,350	22,835
April...	800	295	300	1,450	3,300	200	0	1,450	1,900	390	7,400	2,500	2,300	22,285
May...	800	275	300	1,450	3,300	350	75	1,450	1,900	390	7,400	2,300	2,300	22,215
June...	800	275	300	1,450	3,300	375	165	1,450	1,850	390	8,150	2,300	2,300	23,015
July...	800	295	300	1,500	3,300	375	165	1,450	1,850	390	8,475	2,300	2,300	23,500
1991 Average...	800	289	300	1,457	3,300	224	42	1,464	1,886	384	7,965	2,403	2,321	22,834

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 resumed in June 1991. In July 1991, total production in that area was about 150 thousand barrels per day.

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

R=Revised data.

Sources: See end of Section 1.

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

	Algeria	Canada	Mexico	Saudi Arabia	USSR	United States ^{1/}	Persian Gulf ^{2/}	OAPEC ^{3/}	OPEC ^{3/}	Market Economies ^{2/}	World
1980 Average.....	36	331	193	369	531	1,573	534	618	734	3,121	3,690
1981 Average.....	49	330	241	433	598	1,609	599	691	827	3,286	3,922
1982 Average.....	58	318	255	430	612	1,550	612	691	844	3,272	3,923
1983 Average.....	56	309	265	330	618	1,559	552	655	782	3,264	3,924
1984 Average.....	105	336	257	355	625	1,630	604	761	871	3,486	4,154
1985 Average.....	120	337	271	316	685	1,609	586	749	835	3,482	4,214
1986 Average.....	120	328	352	304	795	1,551	619	779	890	3,579	4,421
1987 Average.....	140	367	338	345	790	1,595	648	827	935	3,723	4,564
1988 Average.....	120	381	370	416	680	1,625	725	896	996	3,890	4,620
1989 Average.....	130	411	376	421	720	1,546	784	966	1,113	3,960	4,720
1990											
January.....	150	445	400	420	750	1,541	794	995	1,147	4,077	4,869
February.....	150	445	410	420	750	1,570	794	995	1,147	4,116	4,908
March.....	150	445	420	420	750	1,526	794	995	1,147	4,067	4,859
April.....	150	415	420	420	750	1,493	794	995	1,147	4,009	4,801
May.....	150	390	405	420	750	1,502	794	995	1,147	3,978	4,770
June.....	150	395	405	420	750	1,458	794	995	1,147	3,904	4,696
July.....	150	370	415	420	750	1,484	794	995	1,147	3,865	4,657
August.....	150	355	425	420	750	1,575	674	875	1,027	3,831	4,623
September.....	150	355	430	550	750	1,597	804	1,005	1,157	3,998	4,790
October.....	150	350	440	575	750	1,667	829	1,030	1,182	4,098	4,890
November.....	150	405	460	600	750	1,690	854	1,055	1,207	4,221	5,013
December.....	150	415	460	625	750	1,604	879	1,080	1,232	4,170	4,962
1990 Average.....	150	398	424	476	750	1,559	800	1,001	1,153	4,027	4,819
1991											
January.....	130	425	460	605	750	1,635	869	1,040	1,212	4,221	5,013
February.....	130	420	457	615	750	1,690	879	1,050	1,222	4,278	5,070
March.....	130	420	447	600	750	1,670	864	1,035	1,207	4,233	5,025
April.....	130	410	438	590	750	1,656	854	1,025	1,197	4,160	4,952
May.....	130	420	449	590	750	1,647	854	1,025	1,197	4,177	4,969
June.....	130	420	451	610	750	R1,616	874	1,045	1,217	R4,170	R4,962
July.....	130	425	450	630	750	E1,652	894	1,065	1,237	4,230	5,022
1991 Average.....	130	420	450	606	750	E1,652	870	1,041	1,213	4,208	5,000

^{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.

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/}	OAEPC ^{4/}	OPEC ^{4/}	Market Economies ^{3/}	
					Non-OPEC	World
1980 Average.....	10,809	18,541	20,715	27,802	21,784	64,153
1981 Average.....	10,739	15,894	17,619	23,759	22,374	60,763
1982 Average.....	10,783	12,815	13,786	20,073	23,388	58,226
1983 Average.....	10,788	11,676	12,416	18,750	24,383	58,057
1984 Average.....	11,107	11,433	12,619	18,808	25,859	59,645
1985 Average.....	11,192	10,261	11,439	17,549	26,741	59,205
1986 Average.....	10,905	12,360	13,572	19,692	26,562	61,686
1987 Average.....	10,648	12,796	13,919	19,849	26,845	62,334
1988 Average.....	10,473	14,227	15,579	21,847	27,059	64,581
1989 Average.....	9,880	15,774	16,628	23,834	26,650	65,810
1990 January.....	9,855	16,497	17,683	24,718	26,955	66,917
February.....	9,872	16,880	17,913	25,413	26,979	67,255
March.....	9,697	17,235	18,231	25,728	27,106	68,028
April.....	9,633	17,130	18,176	25,723	26,960	67,696
May.....	9,555	17,055	17,791	25,468	26,775	67,087
June.....	9,324	16,806	17,662	25,238	26,312	66,226
July.....	9,356	17,050	17,971	25,513	26,164	66,227
August.....	9,658	13,052	13,873	21,904	26,408	62,778
September.....	9,586	15,122	15,985	24,274	26,771	65,483
October.....	10,017	14,953	16,291	24,329	27,514	65,965
November.....	9,823	15,717	16,810	25,119	27,627	66,846
December.....	9,763	16,147	17,148	25,619	27,386	67,095
1990 Average.....	9,678	16,130	17,121	24,915	26,912	66,459
1991 January.....	E9,841	15,433	16,554	25,035	27,568	66,835
February.....	E10,019	15,366	16,392	24,975	27,994	66,518
March.....	E9,855	15,279	16,175	24,835	27,972	66,761
April.....	E9,796	14,767	15,753	24,275	R27,170	R65,346
May.....	E9,780	R14,718	R15,699	24,205	R27,202	R65,223
June.....	RE9,649	15,587	16,568	25,025	R26,992	R65,443
July.....	PE9,771	16,022	17,003	25,530	27,479	66,435
1991 Average.....	PE9,814	15,311	16,306	24,840	27,479	66,081

^{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/}OAEPC=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. 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
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 January.....	133	162	273	119	1,128	1,630	112	588	68	3,527
February.....	134	158	267	116	1,135	1,635	116	569	74	3,529
March.....	131	163	268	121	1,126	1,642	121	581	71	3,541
April.....	135	159	270	114	1,145	1,640	126	578	77	3,566
May.....	146	155	268	125	1,173	1,672	121	590	77	3,633
June.....	146	160	270	120	1,174	1,685	119	579	75	3,632
July.....	149	155	271	119	1,171	1,709	117	578	71	3,648
August.....	150	167	274	122	1,176	1,699	114	583	72	3,644
September.....	150	173	269	123	1,179	1,698	114	585	73	3,648
October.....	148	172	268	119	1,184	1,674	113	592	76	3,640
November.....	142	167	263	117	1,151	1,654	116	596	72	3,589
December.....	139	172	265	112	1,163	1,621	121	590	73	3,569
1991 January.....	133	173	276	114	1,158	1,587	118	585	72	3,521
February.....	136	169	276	117	R1,155	1,574	115	567	71	R3,482
March.....	141	177	276	122	1,177	1,559	118	589	73	3,516
April.....	137	176	R274	R119	R1,164	1,578	R111	R565	R74	R3,493
May.....	137	173	277	112	1,155	1,628	111	552	74	3,521

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/EOECD 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, 1,420 in 1980, and 1,462 in 1982.

5/EOtherm 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 March 1991)
(Million Barrels)

Country	Commercial	Government Owned	Total
Canada.....	118	0	118
United States ^{3/}	991	568	1,559
United States Territories.....	25	0	25
Japan.....	392	197	589
Australia/New Zealand.....	48	NA	48
Austria.....	21	0	21
Belgium/Luxembourg.....	28	0	28
Denmark.....	33	0	33
Germany ^{4/}	223	53	276
Greece.....	29	NA	29
Ireland.....	6	2	8
Italy.....	171	6	177
Netherlands.....	93	0	93
Norway.....	33	0	33
Portugal.....	21	0	21
Spain.....	76	0	76
Sweden.....	27	2	29
Switzerland.....	36	0	36
Turkey.....	25	0	25
United Kingdom.....	122	0	122
IEA Europe.....	944	63	1,007
Finland/Iceland.....	27	0	27
France.....	141	0	141
OECD Europe.....	1,114	63	1,177
Total IEA ^{2/}	2,518	828	3,346
Total OECD.....	2,688	828	3,516

1/See Explanatory Note 2 in Appendix B.
2/OECD=Organization for Economic Cooperation and Development. IEA=International Energy Agency. See Appendix A for countries in this group.
3/U.S. geographic coverage is the 50 States and the District of Columbia.
4/Data for March 1991 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 Consumption 1/
(Thousand Barrels per Day)

	France	Italy	Germany ^{2/}	United Kingdom	OECD Europe ^{3/}	United States ^{4/}	Canada	Japan	Other ^{5/}	Total OECD
1980	Average....	2,256	1,934	1,725	13,634	17,056	1,873	4,960	1,072	38,595
1981	Average....	2,023	1,874	1,590	12,515	16,058	1,768	4,848	1,080	36,269
1982	Average....	1,880	1,781	1,590	12,053	15,296	1,578	4,582	1,008	34,517
1983	Average....	1,835	1,750	1,531	11,765	15,231	1,448	4,395	954	33,793
1984	Average....	1,754	1,646	1,849	11,736	15,726	1,472	4,376	989	34,500
1985	Average....	1,775	1,717	1,634	11,681	15,726	1,504	4,384	976	34,271
1986	Average....	1,772	1,738	1,649	12,102	16,281	1,506	4,349	951	35,279
1987	Average....	1,789	1,855	1,603	12,255	16,665	1,548	4,484	958	35,911
1988	Average....	1,797	1,836	1,697	12,427	17,283	1,693	4,752	939	37,093
1989	Average....	1,857	1,930	1,738	12,531	17,325	1,733	4,983	984	37,556
1990	January....	2,028	2,116	1,726	12,869	16,964	1,671	5,615	973	38,092
	February....	1,981	1,969	1,834	13,029	17,175	1,772	5,942	1,000	38,918
	March....	1,871	1,791	1,924	12,635	17,087	1,708	5,563	1,083	38,075
	April....	1,782	1,547	1,729	12,098	16,778	1,606	4,737	966	36,186
	May....	1,604	1,714	1,759	12,112	16,915	1,699	4,542	1,039	36,307
	June....	1,760	1,721	1,809	12,629	17,165	1,640	4,607	1,020	37,061
	July....	1,852	1,799	1,820	13,069	17,084	1,727	5,056	1,011	37,947
	August....	1,780	1,662	1,752	12,759	18,050	1,881	5,306	1,125	39,121
	September....	1,654	1,790	1,623	12,037	16,512	1,659	5,086	1,014	36,308
	October....	1,676	1,913	1,591	12,249	16,934	1,738	4,993	1,048	36,961
	November....	1,814	2,023	1,705	12,761	16,695	1,688	5,245	1,029	37,417
	December....	1,967	2,021	1,607	12,777	16,494	1,594	5,986	1,068	37,918
	Average....	1,814	1,839	1,739	12,589	16,988	1,698	5,221	1,032	37,527
1991	January....	2,137	2,252	1,768	R14,220	16,882	1,637	5,871	1,053	R39,664
	February....	1,986	2,076	1,797	R13,545	16,284	1,634	6,159	1,026	R38,648
	March....	1,754	1,729	1,689	R12,428	16,100	1,482	5,839	1,070	R36,919
	April....	1,764	1,858	R1,750	R12,932	16,103	R1,600	R5,052	R1,073	R36,760
	May....	1,737	1,744	1,763	12,839	16,098	1,669	4,806	1,098	36,509

1/The term Consumption is used interchangeably with 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 1990 and Petroleum Supply Monthly, August 1991.

Other Countries: Annual data -- EIA, International Energy Annual, various issues; Monthly data -- Canada -- Maclean Hunter Publishing Company, Oilweek, various issues. Denmark, Mexico, Netherlands, Norway, West 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 1990 and Petroleum Supply Monthly, August 1991.

Other OECD Countries: Organization for Economic Cooperation and Development (OECD), Quarterly Oil Statistics and Energy Balances of OECD Countries, various issues.
o OECD, Monthly Oil Statistics data base, 1980-1991.

Oil Consumption

United States: EIA, Petroleum Supply Annual 1990 and Petroleum Supply Monthly, August 1991.

Other OECD Countries: OECD, Quarterly Oil Statistics and Energy Balances of OECD Countries, various issues. o OECD, Monthly Oil Statistics data base, 1980-1991.

2. International Oil Balance Data

Table 2.1 Market Economies Oil Balance
(Million Barrels per Day)

	1989	1990				1991					
	Average	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Annual Average	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Annual Average
<u>Supply 1/</u>											
Production											
United States.....	9.9	9.8	9.5	9.5	9.9	9.7	9.9	9.7	NA	NA	NA
OPEC.....	23.8	25.3	25.5	23.9	25.0	24.9	25.0	24.5	NA	NA	NA
Other Non-OPEC.....	16.8	17.3	17.3	17.0	17.7	17.3	17.9	17.3	NA	NA	NA
Total Mkt. Economies	50.5	52.4	52.2	50.4	52.6	51.9	52.8	51.6	NA	NA	NA
Net CPE Exports 2/.....	1.9	1.4	2.0	2.1	1.8	1.9	0.9	1.5	NA	NA	NA
Total Supply.....	52.4	53.8	54.2	52.6	54.5	53.8	53.7	53.1	NA	NA	NA
<u>Net Stock Additions</u>											
U.S. Commercial.....	-0.1	0.7	0.4	0.1	-0.8	0.1	-0.5	NA	NA	NA	NA
U.S. Strategic.....	0.1	0.0	0.1	0.0	0.0	0.0	-0.2	NA	NA	NA	NA
Other Mkt. Economies....	0.2	0.3	0.9	-0.4	1.1	0.5	0.0	NA	NA	NA	NA
Total Stock Additions.	0.2	1.0	1.4	-0.3	0.3	0.6	-0.7	NA	NA	NA	NA
<u>Consumption 3/</u>											
United States.....	17.3	17.1	17.0	17.2	16.7	17.0	16.4	NA	NA	NA	NA
U.S. Territories.....	0.2	0.2	0.2	0.2	0.2	0.2	0.3	NA	NA	NA	NA
Japan.....	5.0	5.7	4.6	5.2	5.4	5.2	5.9	NA	NA	NA	NA
OECD Europe 4/.....	12.5	12.8	12.3	12.6	12.6	12.6	13.4	NA	NA	NA	NA
Other Mkt. Economies....	17.2	17.9	17.5	17.9	18.2	17.9	18.4	NA	NA	NA	NA
Total Mkt. Economies..	52.2	53.7	51.5	53.1	53.1	52.9	54.4	NA	NA	NA	NA
Statistical Discrepancy....	0.0	-0.9	1.3	-0.2	1.1	0.3	0.0	NA	NA	NA	NA
<u>Closing Stocks</u>											
(Million Barrels).....	5,333	5,422	5,545	5,521	5,548	5,548	5,489	NA	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, liquids produced from coal and other sources, and net CPE exports. 2/CPE=Centrally Planned Economies. See Appendix A for countries in this group. See also Note 1 in Appendix D. 3/The term Consumption is used interchangeably with Petroleum Products Supplied. See Appendix C for definition. 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.

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/} in the Market Economies, End of Period
(Million Barrels)

	1989 Year End	1990				1991			
		First Quarter	Second Quarter	Third Quarter	Fourth Quarter	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
OECD									
United States 2/									
Commercial.....	1,001	1,060	1,098	1,108	1,035	991	NA	NA	NA
Strategic.....	580	582	587	590	586	568	NA	NA	NA
OECD Europe.....	1,133	1,126	1,174	1,179	1,163	1,177	NA	NA	NA
Japan.....	577	581	579	585	590	589	NA	NA	NA
Other OECD.....	184	193	194	187	195	191	NA	NA	NA
Total OECD.....	3,476	3,541	3,632	3,648	3,569	3,516	NA	NA	NA
Other Stocks 3/.....	847	825	843	862	879	858	NA	NA	NA
Total Inland Stocks 4/.....	4,323	4,367	4,475	4,511	4,448	4,374	NA	NA	NA
Stocks for Export									
and Afloat 5/.....	945	975	985	915	970	955	NA	NA	NA
Commercial Floating 6/.....	65	80	85	95	130	160	NA	NA	NA
Total Market Economies.....	5,333	5,422	5,545	5,521	5,548	5,489	NA	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/EIA estimate. These are stocks in non-OECD countries based on 55 days of forward consumption.
See Note 2 in Appendix D.
4/Excludes stocks for export and afloat and floating storage. Includes all government held strategic stocks.
5/ Stocks held at export terminals of major crude oil producing countries and commercial oil afloat based on quarterly analysis of world seaborne movements.
6/ 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 2.3 Oil Stocks^{1/} in the Market Economies, End of Period
(Million Barrels)

	1989 Year End	1990				1991			
		First Quarter	Second Quarter	Third Quarter	Fourth Quarter	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
OECD									
United States 2/									
Commercial.....	1,001	1,060	1,098	1,108	1,035	991	NA	NA	NA
Strategic.....	580	582	587	590	586	568	NA	NA	NA
OECD Europe.....	1,133	1,126	1,174	1,179	1,163	1,177	NA	NA	NA
Japan.....	577	581	579	585	590	589	NA	NA	NA
Other OECD.....	184	193	194	187	195	191	NA	NA	NA
Total OECD.....	3,476	3,541	3,632	3,648	3,569	3,516	NA	NA	NA
Other Stocks 3/.....	847	825	843	862	879	858	NA	NA	NA
Total Inland Stocks 4/.....	4,323	4,367	4,475	4,511	4,448	4,374	NA	NA	NA
Stocks for Export									
and Afloat 5/.....	945	975	985	915	970	955	NA	NA	NA
Commercial Floating 6/.....	65	80	85	95	130	160	NA	NA	NA
Total Market Economies.....	5,333	5,422	5,545	5,521	5,548	5,489	NA	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/EIA estimate. These are stocks in non-OECD countries based on 55 days of forward consumption.

See Note 2 in Appendix D.

4/Excludes stocks for export and afloat and floating storage. Includes all government held strategic stocks.

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

6/ 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 Oil Consumption^{1/} in the Market Economies
(Million Barrels per Day)

	1989	1990			1991		
	Average	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Annual Average	Annual Average
OECD							
United States 2/.....	17.3	17.1	17.0	17.2	16.7	17.0	NA
U.S. Territories.....	0.2	0.2	0.2	0.2	0.2	0.2	NA
Canada.....	1.7	1.7	1.6	1.8	1.7	1.7	NA
Japan.....	5.0	5.7	4.6	5.2	5.4	5.2	NA
OECD Europe							
France.....	1.9	2.0	1.7	1.8	1.8	1.8	NA
Italy.....	1.9	2.0	1.7	1.7	2.0	1.8	NA
United Kingdom.....	1.7	1.8	1.8	1.7	1.6	1.7	NA
Germany 3/.....	2.3	2.3	2.4	2.5	2.4	2.4	NA
Other OECD Europe....	4.7	4.8	4.7	4.9	4.8	4.8	NA
Total OECD Europe 4/....	12.5	12.8	12.3	12.6	12.6	12.6	NA
Australia & New Zealand.	0.8	0.8	0.8	0.8	0.8	0.8	NA
Total OECD.....	37.6	38.3	36.5	37.8	37.4	37.5	NA
OPEC.....	4.2	4.3	4.3	4.3	4.4	4.3	NA
Other Market Economies.....	10.5	11.1	10.7	11.0	11.3	11.0	NA
Total Market Economies.....	52.2	53.7	51.5	53.1	53.1	52.9	NA

1/Includes bunkers and refinery fuel. The term Consumption is used interchangeably with Petroleum Products Supplied.

See Appendix C for definition.

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

3/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.

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.

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 1990 and Petroleum Supply Monthly, August 1991.

Other Countries: Annual data -- EIA, International Energy Annual, various issues. Monthly data -- Canada -- Maclean Hunter Publishing Company, Oilweek, various issues. Denmark, Mexico, Netherlands, Norway, West 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.

Net CPE Exports: EIA, International Energy Annual, various issues and Short Term Energy Outlook, various issues.

Oil Stocks

United States: EIA, Petroleum Supply Annual 1990 and Petroleum Supply Monthly, August 1991.

Other OECD Countries: Organization for Economic Cooperation and Development (OECD), Quarterly Oil Statistics and Energy Balances of OECD Countries, various issues. o OECD, Monthly Oil Statistics data base, 1980-1991. Stocks for Export and Afloat and Commercial Floating Stocks -- Petroleum Economics Limited, Oil Industry Developments, various issues.

Oil Consumption

United States: EIA, Petroleum Supply Annual 1990 and Petroleum Supply Monthly, August 1991.

Other OECD Countries: OECD, Quarterly Oil Statistics and Energy Balances of OECD Countries, various issues. o OECD, Monthly Oil Statistics data base, 1980-1991.

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, 1990 ^{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..	20.379	8.200	-0.209	1.726	2.202	1.788	2.693	7.161	-0.375	5.239	0.155
Imports from OPEC ^{7/}	15.353	6.460	.405	.930	.776	1.375	2.975	4.285	.189	4.070	.348
Imports from Persian Gulf ^{8/}											
Total.....	9.422	3.724	.248	.702	.217	.626	1.932	1.961	.080	3.394	.261
Bahrain.....	.059	.020	-	.011	-	.000	.009	-.001	-	.037	.004
Iran.....	1.576	1.191	.080	.181	.055	.192	.682	.000	-	.385	.000
Iraq.....	1.269	.592	.028	.062	.004	.079	.419	.518	.011	.146	.003
Kuwait.....	.726	.336	.043	.007	.013	.063	.210	.086	.004	.291	.009
U.A.E.....	1.602	.419	.008	.233	.016	.075	.086	.016	.003	1.032	.131
Qatar.....	.373	.103	-	.099	.003	-	.001	.004	-	.263	.003
Saudi Arabia.....	3.816	1.064	.089	.109	.125	.216	.524	1.339	.062	1.240	.111
Imports from OPEC-Africa											
Total.....	3.729	2.521	.123	.225	.469	.740	.963	1.144	.059	.020	-.015
Algeria.....	.963	.676	.051	.088	.098	.155	.284	.280	.008	.010	-.011
Gabon.....	.100	.024	-	-	.005	-	.019	.064	-	.009	.003
Libya.....	1.264	1.264	.035	.077	.244	.556	.351	.000	-	-	.000
Nigeria.....	1.402	.558	.037	.060	.123	.029	.309	.800	.051	.001	-.007
Imports from OPEC-South America											
Total.....	1.420	.227	.033	.013	.088	.007	.086	1.065	.050	.011	.067
Ecuador.....	.065	.001	-	.000	-	-	.001	.049	.001	-	.014
Venezuela.....	1.355	.225	.033	.013	.088	.007	.084	1.016	.049	.011	.054
Imports from OPEC-Far East											
Total.....	.842	.008	-	-	.002	.003	.004	.113	-	.682	.039
Indonesia.....	.842	.008	-	-	.002	.003	.004	.113	-	.682	.039

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

2/ Preliminary data.

3/ 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.

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.

9/ Net imports are on a direct basis. o Negative numbers represent net exports. o A dash (-) indicates no trade. o Zeroes 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, (1st Quarter 1991)
(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...	19.465	8.540	-0.100	1.933	2.556	1.908	2.243	5.633	-0.653	5.767	0.177
Imports from OPEC ^{6/}	15.078	6.347	.365	1.062	.801	1.400	2.719	3.702	.193	4.451	.386
Imports from Persian Gulf ^{7/}											
Total.....	8.907	3.229	.196	.738	.159	.589	1.547	1.690	.090	3.655	.244
Bahrain.....	.025	.001	-	-	-	.001	-	-.001	-	.025	.001
Iran.....	1.637	1.103	.071	.109	.036	.248	.639	.000	-	.535	.000
Iraq.....	.000	-	-	-	-	-	-	.000	-	-	.000
Kuwait.....	.002	.002	-	-	-	-	.002	.000	-	.000	.000
U.A.E.....	2.051	.556	.003	.382	.000	.040	.131	-.001	.013	1.386	.097
Qatar.....	.456	.111	-	.111	.000	.000	-	.000	-	.344	.000
Saudi Arabia.....	4.737	1.456	.122	.136	.124	.300	.775	1.692	.077	1.365	.146
Imports from OPEC-Africa											
Total.....	3.841	2.862	.130	.299	.557	.802	1.074	.897	.068	.021	-.007
Algeria.....	.943	.688	.039	.094	.129	.184	.242	.266	.003	.003	-.017
Gabon.....	.127	.056	-	-	.008	.024	.024	.054	-	.017	.000
Libya.....	1.275	1.275	.020	.087	.234	.523	.410	.000	-	-	.000
Nigeria.....	1.495	.843	.071	.118	.185	.070	.398	.578	.065	-	.010
Imports from OPEC-South America											
Total.....	1.408	.258	.038	.025	.085	.010	.099	1.022	.035	.012	.081
Ecuador.....	.057	-	-	-	-	-	-	.048	-	-	.009
Venezuela.....	1.350	.258	.038	.025	.085	.010	.099	.974	.035	.012	.071
Imports from OPEC-Far East											
Total.....	.948	.000	-	-	-	-	.000	.091	-	.787	.070
Indonesia.....	.948	.000	-	-	-	-	.000	.091	-	.787	.070

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

2/ Beginning with January 1991, 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 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, (4th Quarter 1990)
(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...	19.064	7.896	-0.302	1.639	2.167	1.921	2.472	5.643	-0.388	5.656	0.257
Imports from OPEC ^{6/}	14.480	6.053	.301	.945	.776	1.452	2.578	3.513	.175	4.419	.320
Imports from											
Persian Gulf ^{7/}	8.348	2.777	.097	.603	.143	.583	1.352	1.597	.063	3.694	.218
Total.....	.037	.001	-	.000	-	.001	.000	-.001	-	.035	.002
Bahrain.....	1.375	.743	.020	.115	.022	.154	.432	.000	-	.632	.000
Iraq.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Kuwait.....	.029	.029	.000	.000	.000	.000	.029	.000	.000	.000	.000
U.A.E.....	1.840	.517	.000	.301	.002	.089	.126	.000	.000	1.208	.113
Qatar.....	.357	.084	-	.084	.000	-	.000	.000	-	.270	.003
Saudi Arabia.....	4.710	1.403	.077	.103	.119	.339	.764	1.596	.063	1.549	.100
Imports from											
OPEC-Africa	3.851	2.977	.149	.318	.505	.860	1.145	.790	.054	.046	-.015
Total.....	.974	.765	.056	.091	.116	.202	.301	.198	.000	.021	-.011
Algeria.....	.110	.039	-	-	.010	-	.029	.050	-	.021	.000
Gabon.....	1.348	1.348	.044	.106	.230	.612	.356	.000	-	-	.000
Libya.....	1.420	.824	.049	.121	.148	.047	.460	.543	.054	.003	-.005
Imports from											
OPEC-South America	1.508	.293	.055	.024	.123	.009	.082	1.056	.058	.018	.082
Total.....	.044	.000	-	.000	-	-	.000	.032	.003	-	.008
Ecuador.....	1.464	.293	.055	.024	.123	.009	.082	1.024	.055	.018	.074
Venezuela.....											
Imports from											
OPEC-Far East	.809	.007	-	-	.007	.000	.000	.068	-	.696	.038
Total.....	.809	.007	-	-	.007	.000	.000	.068	-	.696	.038
Indonesia.....											

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

2/ Through December 1990, the data for Germany are for the former West Germany only.

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.

8/ Notes: 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)

	1990												1991				
	June	July	August	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May					
Total.....	20.038	21.647	21.507	18.482	19.503	18.071	19.584	19.932	18.697	19.692	18.277	20.659					
United States ^{2/}	7.944	8.353	7.794	6.514	5.768	5.918	5.252	5.867	5.403	5.607	6.636	7.347					
Canada.....	-420	-431	-388	-480	-404	-427	-334	-725	-705	-533	-742	-660					
OECD Europe ^{3/}	8.026	9.007	8.745	7.627	7.962	7.057	8.641	9.219	8.681	7.734	7.638	8.638					
Main European Importers																	
France.....	1.619	1.927	1.672	1.584	1.634	1.471	1.805	2.077	2.044	1.688	1.468	1.579					
Germany ^{4/}	2.433	2.531	2.287	1.892	2.122	2.112	2.264	2.654	2.430	2.573	2.664	2.788					
Italy.....	1.703	1.537	1.879	1.820	1.805	1.820	2.133	2.052	1.895	1.776	1.663	1.479					
Spain.....	.888	.988	.761	1.052	.976	.807	1.194	1.040	1.139	.851	.742	.963					
Netherlands.....	.488	.884	.868	.457	.506	.576	.540	.681	.596	.481	.813	1.009					
European Net Exporters																	
Norway.....	-1.484	-1.559	-1.475	-1.526	-1.481	-1.901	-1.610	-1.891	-1.777	-1.780	-1.862	-1.730					
United Kingdom.....	-219	.007	.121	-1.109	-374	-186	-344	.109	-160	-256	-078	.074					
Smaller European Importers																	
Austria.....	.200	.218	.193	.228	.218	.203	.189	.187	.192	.186	.188	.208					
Belgium.....	.521	.502	.523	.329	.365	.397	.454	.473	.536	.418	.475	.396					
Denmark.....	.074	.062	.083	.054	.057	.033	.061	.075	.081	.023	.014	.056					
Ireland.....	.106	.102	.089	.140	.097	.076	.064	.087	.131	.088	.109	.078					
Finland.....	.283	.214	.218	.184	.318	.178	.277	.173	.089	.134	.134	.188					
Greece.....	.196	.228	.215	.226	.233	.319	.296	.325	.312	.363	.248	.279					
Iceland.....	.014	.000	.023	.001	.020	.001	.033	.003	.014	.001	.024	.000					
Luxembourg.....	.032	.033	.033	.035	.039	.036	.031	.036	.038	.038	.038	.037					
Portugal.....	.236	.215	.278	.255	.272	.193	.243	.313	.211	.254	.137	.138					
Sweden.....	.331	.331	.254	.303	.377	.267	.335	.312	.328	.296	.270	.423					
Switzerland.....	.329	.324	.295	.300	.256	.233	.229	.250	.242	.357	.225	.252					
Turkey.....	.275	.462	.429	.402	.521	.423	.450	.264	.340	.357	.365	.421					
Japan.....	4.325	4.736	5.339	4.790	5.879	5.379	5.700	5.432	5.138	6.669	4.350	5.035					
Other OECD.....	.162	-.018	.017	.032	.298	.143	.325	.138	.180	.214	.395	.299					

^{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/} 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.

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

	1990						1991					
	June	July	August	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May
Total.....	14.748	16.434	15.883	13.461	14.409	13.972	15.041	15.276	14.720	15.204	13.922	15.359
United States ^{1/}	4.441	4.986	4.888	3.940	3.499	3.622	3.421	3.827	3.748	3.535	3.697	4.692
Canada.....	.227	.220	.241	.161	.125	.078	.318	.140	.195	.244	.184	.165
OECD Europe ^{2/}	6.192	7.190	6.500	5.536	5.925	5.757	6.467	6.654	6.424	5.971	6.256	6.215
Main European Importers												
France.....	.832	1.098	.789	.829	1.167	.822	.842	1.120	1.154	.922	.951	.795
Germany ^{3/}	.770	.829	.867	.627	.755	.811	.765	.835	.843	.729	.697	.952
Italy.....	1.483	1.235	1.344	1.265	1.395	1.358	1.599	1.465	1.341	1.388	1.269	1.220
Spain.....	.478	.760	.589	.551	.752	.562	.788	.803	.740	.711	.571	.594
Netherlands.....	.938	1.158	.995	.715	.373	.731	.736	.552	.538	.432	.999	.858
European Net Exporters												
Norway.....	.011	.000	.000	.010	.005	.011	.027	.000	.021	.000	.102	.011
United Kingdom.....	.324	.572	.442	.335	.261	.330	.315	.433	.334	.323	.330	.355
Smaller European Importers												
Austria.....	.064	.112	.126	.119	.077	.115	.094	.102	.088	.113	.068	.093
Belgium.....	.344	.367	.331	.200	.106	.145	.272	.326	.308	.316	.312	.312
Denmark.....	.054	.065	.045	.030	.058	.000	.027	.000	.029	.023	.000	.000
Finland.....	.046	.033	.006	.011	.003	.003	.023	.078	.040	.048	.000	.000
Greece.....	.283	.345	.264	.300	.313	.331	.290	.327	.276	.321	.333	.291
Portugal.....	.123	.181	.205	.129	.156	.108	.168	.163	.163	.123	.089	.086
Sweden.....	.110	.050	.084	.058	.048	.035	.049	.122	.142	.087	.160	.175
Switzerland.....	.018	.018	.037	.053	.032	.051	.037	.053	.032	.032	.041	.029
Turkey.....	.313	.369	.376	.304	.424	.344	.435	.274	.374	.404	.336	.443
Japan.....	3.488	3.669	3.928	3.595	4.511	4.228	4.512	4.252	3.949	5.102	3.279	3.801
Other OECD.....	.401	.368	.326	.229	.349	.288	.323	.403	.404	.352	.506	.486

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/ 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.

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 Gulf2/ (Most Recent 12 Months)
(Million Barrels per Day of Crude Oil, Natural Gas Liquids and Refined Products)

	1990						1991					
	June	July	August	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May
Total.....	9.296	10.535	9.957	7.722	8.445	7.616	8.961	9.190	8.337	9.139	8.301	9.257
United States ^{3/}	1.974	2.540	2.369	1.636	1.614	1.576	1.599	1.876	1.562	1.619	1.762	2.255
Canada.....	.108	.082	.091	.089	.020	.000	.166	.036	.098	.136	.084	.045
OECD Europe ^{4/}	3.984	4.691	3.997	2.881	2.842	2.323	3.152	3.461	3.285	2.946	3.394	3.415
Main European												
Importers												
France.....	.722	.989	.620	.544	.793	.452	.559	.798	.730	.684	.704	.652
Germany ^{5/}	.219	.298	.250	.155	.183	.136	.109	.170	.145	.161	.116	.251
Italy.....	.754	.583	.685	.523	.488	.587	.674	.627	.623	.520	.506	.485
Spain.....	.262	.402	.370	.169	.282	.136	.306	.384	.324	.183	.178	.276
Netherlands.....	.826	.895	.833	.618	.275	.323	.509	.354	.322	.169	.636	.600
European Net Exporters												
Norway.....	.000	.000	.000	.000	.005	.000	.000	.000	.021	.000	.102	.000
United Kingdom.....	.239	.356	.251	.182	.112	.078	.101	.220	.143	.220	.217	.172
Smaller European Importers												
Austria.....	.004	.059	.033	.009	.000	.000	.000	.013	.016	.028	.005	.019
Belgium.....	.290	.296	.266	.131	.041	.075	.191	.250	.221	.262	.248	.252
Denmark.....	.054	.065	.045	.027	.058	.000	.027	.000	.029	.023	.000	.000
Finland.....	.037	.025	.000	.010	.003	.000	.020	.078	.040	.047	.000	.000
Greece.....	.233	.302	.205	.232	.199	.227	.221	.220	.155	.248	.223	.207
Portugal.....	.005	.074	.106	.064	.062	.030	.061	.071	.047	.058	.030	.019
Sweden.....	.058	.026	.054	.005	.028	.007	.038	.069	.135	.030	.126	.091
Switzerland.....	.013	.011	.010	.014	.009	.005	.000	.000	.004	.000	.015	.005
Turkey.....	.266	.306	.268	.198	.303	.267	.336	.206	.328	.312	.289	.387
Japan.....	2.878	2.913	3.226	2.944	3.727	3.534	3.817	3.539	3.163	4.215	2.791	3.222
Other OECD.....	.352	.308	.274	.173	.242	.182	.227	.278	.230	.224	.269	.320

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/ 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.

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/---Net Oil Imports (Most Recent 12 Months)
(Million Barrels per Day of Crude Oil, Natural Gas liquids and Refined Products)

	1990						1991					
	June	July	August	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May
Total Net Imports..	7.944	8.353	7.794	6.514	5.768	5.918	5.252	5.867	5.403	5.607	6.636	7.347
Imports from OPEC2/	4.441	4.986	4.888	3.940	3.499	3.622	3.421	3.827	3.748	3.535	3.697	4.692
Imports from												
Persian Gulf3/												
Total.....	1.974	2.540	2.369	1.636	1.614	1.576	1.599	1.876	1.562	1.619	1.762	2.255
Bahrain.....	-.002	-.002	-.002	.000	-.002	-.002	.000	.000	-.002	-.002	.000	.000
Iran.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Iraq.....	.701	1.119	.945	.317	.000	.000	.000	.000	.000	.000	.000	.000
Kuwait.....	.104	.043	.238	.033	.000	.000	.000	.000	.000	.000	.000	.000
U.A.E.....	.018	.011	.000	.000	-.003	-.003	.012	.000	-.002	-.002	.000	.000
Qatar.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Saudi Arabia.....	1.153	1.369	1.189	1.286	1.619	1.581	1.587	1.876	1.566	1.623	1.764	2.255
Imports from												
OPEC-Africa												
Total.....	1.169	1.237	1.357	1.093	.780	.821	.771	.872	1.062	.774	1.020	1.264
Algeria.....	.333	.308	.360	.279	.173	.177	.242	.327	.246	.222	.282	.308
Gabon.....	.058	.069	.116	.059	.050	.070	.030	.041	.095	.029	.072	.096
Libya.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Nigeria.....	.778	.860	.881	.755	.557	.574	.499	.504	.721	.523	.666	.860
Imports from												
OPEC-South America												
Total.....	1.158	1.067	1.090	1.100	1.015	1.151	1.006	1.020	.995	1.049	.864	1.075
Ecuador.....	.097	.060	.079	.043	.049	.013	.035	.012	.066	.067	.035	.108
Venezuela.....	1.061	1.007	1.011	1.057	.966	1.138	.971	1.008	.929	.982	.829	.967
Imports from												
OPEC-Far East												
Total.....	.138	.140	.069	.111	.088	.072	.045	.059	.127	.091	.051	.098
Indonesia.....	.138	.140	.069	.111	.088	.072	.045	.059	.127	.091	.051	.098

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: 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)

	1990						1991					
	June	July	August	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May
Total Net Imports..	4.325	4.736	5.339	4.790	5.879	5.379	5.700	5.432	5.138	6.669	4.350	5.035
Imports from OPEC ^{1/}	3.488	3.669	3.928	3.595	4.511	4.228	4.512	4.252	3.949	5.102	3.279	3.801
Imports from Persian Gulf ^{2/}												
Total.....	2.878	2.913	3.226	2.944	3.727	3.534	3.817	3.539	3.163	4.215	2.791	3.222
Bahrain.....	.038	.027	.059	.024	.030	.036	.040	.028	.025	.021	.071	.056
Iran.....	.158	.249	.303	.495	.663	.676	.558	.500	.373	.716	.215	.262
Iraq.....	.113	.261	.116	.000	.000	.000	.000	—	—	—	—	—
Kuwait.....	.434	.337	.234	.000	.000	.000	.000	.000	.000	.000	.000	.000
U.A.E.....	.831	.718	1.157	.831	1.138	1.147	1.339	1.294	1.443	1.426	1.168	1.332
Qatar.....	.194	.221	.334	.317	.221	.265	.324	.333	.335	.364	.242	.287
Saudi Arabia.....	1.109	1.101	1.024	1.278	1.675	1.409	1.557	1.385	.986	1.687	1.096	1.286
Imports from OPEC-Africa												
Total.....	.007	.010	.010	.010	.041	.026	.070	.050	.000	.010	.015	.013
Algeria.....	.007	.000	.010	.010	.032	.026	.006	.000	.000	.010	.015	.013
Gabon.....	.000	.010	.000	.000	.000	.000	.064	.050	.000	.000	.000	.000
Nigeria.....	.000	.000	.000	.000	.009	.000	.000	—	—	—	—	—
Imports from OPEC-South America												
Total.....	.000	.017	.000	.019	.031	.014	.010	.020	.000	.016	.000	.000
Venezuela.....	.000	.017	.000	.019	.031	.014	.010	.020	.000	.016	.000	.000
Imports from OPEC-Far East												
Total.....	.641	.756	.751	.645	.742	.690	.655	.671	.811	.882	.544	.622
Indonesia.....	.641	.756	.751	.645	.742	.690	.655	.671	.811	.882	.544	.622

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 Europe¹—Net Oil Imports (Most Recent 12 Months)
(Million Barrels per Day of Crude Oil, Natural Gas Liquids and Refined Products)

	1990						1991					
	June	July	August	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May
Total Net Imports..	8.026	9.007	8.745	7.627	7.962	7.057	8.641	9.219	8.681	7.734	7.638	8.638
Imports from OPEC2/	6.192	7.190	6.500	5.536	5.925	5.757	6.467	6.654	6.424	5.971	6.256	6.215
Imports from Persian Gulf3/												
Total.....	3.984	4.691	3.997	2.881	2.842	2.323	3.152	3.461	3.285	2.946	3.394	3.415
Bahrain.....	.009	.027	.108	.000	.000	.001	.001	.002	.000	.000	.000	.000
Iran.....	1.505	1.747	1.686	1.014	.564	.552	1.107	1.227	1.275	.823	1.066	.968
Iraq.....	.742	.775	.539	.136	.000	.000	.000	—	—	—	—	—
Kuwait.....	.555	.636	.357	.137	.088	.000	.000	.000	.005	.000	.000	.000
U.A.E.....	.392	.135	.092	.140	.847	.323	.374	.512	.621	.543	.219	.619
Qatar.....	.111	.158	.124	.153	.140	.049	.061	.107	.119	.107	.000	.242
Saudi Arabia.....	.670	1.214	1.091	1.300	1.203	1.397	1.608	1.613	1.265	1.472	2.109	1.586
Imports from OPEC-Africa												
Total.....	1.972	2.329	2.405	2.342	2.743	3.148	3.044	2.988	2.824	2.769	2.581	2.512
Algeria.....	.585	.709	.616	.552	.696	.778	.823	.757	.711	.599	.624	.753
Gabon.....	.000	.000	.019	.005	.075	.034	.008	.060	.004	.099	.084	.000
Libya.....	1.103	1.209	1.282	1.216	1.348	1.362	1.334	1.146	1.341	1.343	1.390	1.312
Nigeria.....	.284	.411	.488	.569	.624	.975	.879	1.025	.767	.728	.483	.446
Imports from OPEC-South America												
Total.....	.225	.197	.207	.284	.325	.287	.267	.207	.315	.256	.281	.289
Ecuador.....	.000	.000	.016	.000	.000	.000	.000	—	—	—	—	—
Venezuela.....	.225	.197	.191	.284	.325	.287	.267	.207	.315	.256	.281	.289
Imports from OPEC-Far East												
Total.....	.020	.000	.000	.030	.015	.000	.005	.000	.000	.000	.000	.000
Indonesia.....	.020	.000	.000	.030	.015	.000	.005	.000	.000	.000	.000	.000

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)

	1990												1991				
	June	July	August	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May					
Total Net Imports...	1.619	1.927	1.672	1.584	1.634	1.471	1.805	2.077	2.044	1.688	1.468	1.579					
Imports from OPEC ^{1/}	.832	1.098	.789	.829	1.167	.822	.842	1.120	1.154	.922	.951	.795					
Imports from Persian Gulf ^{2/}																	
Total.....	.722	.989	.620	.544	.793	.452	.559	.798	.730	.684	.704	.652					
Bahrain.....	.009	.027	.003	.000	.000	.000	.000	.000	.000	.000	.000	.000					
Iran.....	.232	.286	.162	.141	.072	.106	.167	.101	.105	.120	.202	.120					
Iraq.....	.087	.066	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000					
Kuwait.....	.015	.015	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000					
U.A.E.....	.267	.009	.023	.013	.582	.161	.155	.386	.400	.362	.000	.363					
Qatar.....	.111	.158	.124	.153	.140	.049	.061	.107	.119	.107	.000	.169					
Saudi Arabia.....	.000	.428	.309	.237	.000	.136	.176	.204	.106	.095	.502	.000					
Imports from OPEC-Africa																	
Total.....	.110	.118	.165	.271	.341	.339	.275	.310	.374	.220	.232	.122					
Algeria.....	.072	.086	.075	.123	.076	.109	.090	.085	.109	.089	.072	.101					
Libya.....	.034	.032	.055	.069	.132	.077	.107	.057	.145	.066	.155	.021					
Nigeria.....	.005	.000	.034	.079	.133	.153	.078	.168	.120	.066	.005	.000					
Imports from OPEC-South America																	
Total.....	.009	.018	.007	.014	.033	.031	.008	.012	.050	.017	.015	.022					
Ecuador.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000					
Venezuela.....	.009	.018	.007	.014	.033	.031	.008	.012	.050	.017	.015	.022					

^{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)

	1990						1991					
	June	July	August	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May
Total Net Imports..	2.433	2.531	2.287	1.892	2.122	2.112	2.264	2.654	2.430	2.573	2.664	2.788
Imports from OPEC ^{2/}	.770	.829	.867	.627	.755	.811	.765	.835	.843	.729	.697	.952
Imports from Persian Gulf ^{3/}												
Total.....	.219	.298	.250	.155	.183	.136	.109	.170	.145	.161	.116	.251
Iran.....	.080	.149	.098	.025	.046	.019	.000	.034	.008	.062	.025	.068
Iraq.....	.000	.000	.009	.008	.000	.000	.000	-	-	-	-	-
Kuwait.....	.028	.021	.009	.005	.001	.000	.000	-	-	-	-	-
U.A.E.....	.029	.012	.006	.010	.005	.000	.000	.000	.000	.000	.002	.008
Qatar.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.022
Saudi Arabia.....	.082	.115	.129	.107	.130	.118	.109	.135	.137	.099	.088	.152
Imports from OPEC-Africa												
Total.....	.425	.479	.502	.380	.418	.576	.522	.570	.616	.490	.451	.572
Algeria.....	.069	.093	.079	.084	.085	.136	.129	.157	.147	.086	.076	.155
Gabon.....	.000	.000	.019	.005	.029	.001	.000	.012	.000	.012	.024	.000
Libya.....	.229	.275	.259	.201	.212	.255	.224	.193	.269	.244	.268	.297
Nigeria.....	.127	.111	.145	.091	.092	.184	.168	.208	.201	.148	.083	.121
Imports from OPEC-South America												
Total.....	.125	.052	.114	.092	.138	.099	.130	.096	.081	.078	.129	.129
Venezuela.....	.125	.052	.114	.092	.138	.099	.130	.096	.081	.078	.129	.129
Imports from OPEC-Far East												
Total.....	.000	.000	.000	.000	.015	.000	.005	-	-	-	-	-
Indonesia.....	.000	.000	.000	.000	.015	.000	.005	-	-	-	-	-

1/ 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.

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

Imports (.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)

	1990						1991					
	June	July	August	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May
Total Net Imports..	1.703	1.537	1.879	1.820	1.805	1.820	2.133	2.052	1.895	1.776	1.663	1.479
Imports from OPEC1/	1.483	1.235	1.344	1.265	1.395	1.358	1.599	1.465	1.341	1.388	1.269	1.220
Imports from Persian Gulf2/												
Total.....	.754	.583	.685	.523	.488	.587	.674	.627	.623	.520	.506	.485
Bahrain.....	.000	.000	.000	.000	.000	.001	.001	.002	.000	.000	.000	.000
Iran.....	.333	.240	.329	.248	.098	.160	.204	.341	.226	.174	.217	.121
Iraq.....	.122	.039	.104	.000	.000	.000	.000	-	-	-	-	-
Kuwait.....	.171	.151	.077	.000	.000	.000	.000	.002	.097	.026	.089	.057
U.A.E.....	.027	.000	.024	.047	.092	.098	.076	.000	.000	.000	.000	.051
Qatar.....	-	-	-	-	-	-	-	.281	.300	.320	.200	.256
Saudi Arabia.....	.102	.153	.151	.228	.298	.327	.393					
Imports from OPEC-Africa												
Total.....	.729	.638	.660	.701	.900	.751	.926	.840	.707	.849	.763	.735
Algeria.....	.182	.147	.096	.084	.219	.164	.220	.240	.167	.143	.113	.119
Gabon.....	-	-	-	-	-	-	-	.028	.000	.043	.000	.000
Libya.....	.547	.492	.564	.586	.604	.557	.672	.504	.455	.604	.603	.586
Nigeria.....	.000	.000	.000	.031	.076	.031	.033	.069	.085	.058	.048	.029
Imports from OPEC-South America												
Total.....	.000	.013	.000	.011	.008	.021	.000	.000	.011	.020	.000	.000
Venezuela.....	.000	.013	.000	.011	.008	.021	.000	.000	.011	.020	.000	.000
Imports from OPEC-Far East												
Total.....	.000	.000	.000	.030	.000	.000	.000	-	-	-	-	-
Indonesia.....	.000	.000	.000	.030	.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 3.13 OECD^{1/} Imports from Iraq (Most Recent 12 Months)
(Million Barrels per Day of Crude Oil, Natural Gas Liquids and Refined Products)

	1990						1991					
	June	July	August	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May
Total.....	1.589	2.162	1.648	0.456	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
United States ^{2/}	.701	1.119	.945	.317	.000	.000	.000	.000	.000	.000	.000	.000
Canada.....	.022	.000	.022	.000	.000	.000	.000	-	-	-	-	-
OECD Europe ^{3/}	.742	.775	.539	.136	.000	.000	.000	-	-	-	-	-
Main European Importers												
France.....	.087	.066	.000	.000	.000	.000	.000	-	-	-	-	-
Germany ^{4/}	.000	.000	.009	.008	.000	.000	.000	-	-	-	-	-
Italy.....	.122	.039	.104	.000	.000	.000	.000	-	-	-	-	-
Spain.....	.080	.107	.085	.000	.000	.000	.000	-	-	-	-	-
Netherlands.....	.139	.116	.163	.127	.000	.000	.000	-	-	-	-	-
European Net Exporters												
United Kingdom.....	.061	.136	.000	.000	.000	.000	.000	-	-	-	-	-
Smaller European Importers												
Austria.....	.000	.000	.000	.000	.000	.000	.000	-	-	-	-	-
Belgium.....	.060	.043	.023	.001	.000	.000	.000	-	-	-	-	-
Greece.....	.017	.035	.004	.000	.000	.000	.000	-	-	-	-	-
Portugal.....	.000	.031	.034	.000	.000	.000	.000	-	-	-	-	-
Turkey.....	.176	.202	.118	.000	.000	.000	.000	-	-	-	-	-
Japan.....	.113	.261	.116	.000	.000	.000	.000	-	-	.000	.000	.000
Other OECD.....	.011	.007	.027	.002	.000	.000	.000	.000	.000	.000	.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 European 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.

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

	1990						1991					
	June	July	August	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May
Total.....	1.098	1.043	0.814	0.190	0.088	0.000	0.000	0.000	0.005	0.000	0.000	0.000
United States ^{2/}	.104	.043	.238	.033	.000	.000	.000	.000	.000	.000	.000	.000
Canada.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
OECD Europe ^{3/}	.555	.636	.357	.137	.088	.000	.000	.000	.005	.000	.000	.000
Main European Importers												
France.....	.015	.015	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Germany ^{4/}	.028	.021	.009	.005	.001	.000	.000	.000	.000	.000	.000	.000
Italy.....	.171	.151	.077	.000	.000	.000	.000	.000	.000	.000	.000	.000
Spain.....	.016	.059	.006	.000	.000	.000	.000	.000	.000	.000	.000	.000
Netherlands.....	.249	.227	.166	.105	.086	.000	.000	.000	.000	.000	.000	.000
European Net Exporters												
United Kingdom....	.000	.075	.049	.000	.000	.000	.000	.000	.000	.000	.000	.000
Smaller European Importers												
Austria.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Belgium.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Denmark.....	.048	.065	.038	.027	.000	.000	.000	.000	.000	.000	.000	.000
Finland.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Portugal.....	.005	.008	.000	.000	.000	.000	.000	.000	.005	.000	.000	.000
Sweden.....	.000	.005	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Switzerland.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Turkey.....	.023	.009	.012	.000	.000	.000	.000	.000	.000	.000	.000	.000
Japan.....	.434	.337	.234	.000	.000	.000	.000	.000	.000	.000	.000	.000
Other OECD.....	.005	.028	-.015	.021	.000	.000	.000	.000	.000	.000	.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/ 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.

Notes: o Imports are on a direct basis. o Negative numbers represent net exports. o A dash (-) indicates no trade. o

Zeros (.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 1990 and Petroleum Supply Monthly, August 1991. Other OECD Countries: Organization for Economic Cooperation and Development (OECD), Quarterly Oil Statistics and Energy Balances of OECD Countries, various issues.

4. Historical Oil Data Series 1970-1990

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

	Algeria	Iraq	Kuwait ^{1/}	Libya	Qatar	Saudi Arabia ^{2/}	United Arab Emirates	Arab Members of OPEC ^{2/}	Indo-nesia	Iran
1970 Average...	1,029	1,549	2,990	3,318	362	3,799	780	13,827	854	3,829
1971 Average...	1,785	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	1,142	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 P...	1,100	2,822	1,802	1,145	391	5,064	1,960	14,284	1,409	2,863
1990 Average P...	1,175	2,008	1,170	1,350	385	6,477	2,120	14,685	1,399	3,088

^{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	Venezuela	Total OPEC ^{3/}	Canada	Mexico	United Kingdom	United States ^{4/}	China	USSR	Other ^{5/}	World
1970 Average....	1,083	3,708	23,414	1,263	487	2	9,637	600	6,970	3,498	45,871
1971 Average....	1,531	3,549	25,328	1,348	486	2	9,463	780	7,440	3,636	48,483
1972 Average....	1,816	3,220	27,094	1,532	505	2	9,441	900	7,880	3,774	51,128
1973 Average....	2,054	3,366	30,988	1,798	465	2	9,208	1,090	8,329	3,804	55,684
1974 Average....	2,255	2,976	30,729	1,551	571	2	8,774	1,315	8,856	3,862	55,660
1975 Average....	1,783	2,346	27,154	1,430	705	12	8,375	1,490	9,472	4,139	52,777
1976 Average....	2,067	2,294	30,737	1,314	831	245	8,132	1,670	9,985	4,355	57,269
1977 Average....	2,085	2,238	31,299	1,321	981	768	8,245	1,874	10,485	4,616	59,589
1978 Average....	1,897	2,165	29,875	1,316	1,209	1,082	8,707	2,082	10,950	4,782	60,003
1979 Average....	2,302	2,356	30,998	1,500	1,461	1,568	8,552	2,122	11,187	5,089	62,477
1980 Average....	2,055	2,168	26,985	1,435	1,936	1,622	8,597	2,114	11,460	5,204	59,353
1981 Average....	1,433	2,102	22,843	1,285	2,313	1,811	8,572	2,012	11,552	5,390	55,778
1982 Average....	1,295	1,895	19,145	1,271	2,748	2,065	8,649	2,045	11,615	5,646	53,184
1983 Average....	1,241	1,801	17,891	1,356	2,689	2,291	8,688	2,120	11,684	6,248	52,967
1984 Average....	1,388	1,798	17,857	1,438	2,780	2,480	8,879	2,296	11,576	6,897	54,203
1985 Average....	1,495	1,677	16,634	1,471	2,745	2,530	8,971	2,505	11,250	7,540	53,646
1986 Average....	1,467	1,787	18,734	1,474	2,435	2,539	8,680	2,620	11,540	7,850	55,872
1987 Average....	1,341	1,752	18,846	1,535	2,548	2,406	8,349	2,690	11,690	8,242	56,306
1988 Average....	1,450	1,903	20,785	1,616	2,512	2,232	8,140	2,730	11,823	8,669	58,507
1989 Average P..	1,693	1,907	22,655	1,560	2,513	1,788	7,613	2,760	11,420	9,305	59,614
1990 Average P..	1,829	2,137	23,700	1,529	2,548	1,825	7,355	2,769	10,681	9,728	60,135

^{3/}Total OPEC^m consists of Algeria, Ecuador, 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 USSR.

P=Preliminary.

Sources: See end of Section 4.

Table 4.2 World Natural Gas Plant Liquids Production
(Thousand Barrels per Day)

	Algeria	Canada	Mexico	Saudi Arabia	USSR	United States ^{1/}	Persian Gulf ^{2/}	OAPEC ^{3/}	OPEC ^{3/}	Market Economies ^{2/}	World
1970 Average.....	3	200	58	50	135	1,660	119	137	205	2,245	2,398
1971 Average.....	4	234	59	50	170	1,693	138	147	243	2,355	2,543
1972 Average.....	4	293	61	55	165	1,744	155	159	276	2,502	2,686
1973 Average.....	9	314	75	90	165	1,738	191	196	325	2,598	2,780
1974 Average.....	12	314	80	130	246	1,688	231	219	347	2,581	2,845
1975 Average.....	20	309	80	140	256	1,633	246	252	373	2,566	2,841
1976 Average.....	24	289	95	185	295	1,603	291	313	442	2,623	2,940
1977 Average.....	19	290	105	215	353	1,618	335	366	482	2,723	3,100
1978 Average.....	25	281	115	250	410	1,567	410	447	568	2,794	3,233
1979 Average.....	30	331	150	303	467	1,584	458	535	639	2,983	3,482
1980 Average.....	36	331	193	369	531	1,573	534	618	734	3,121	3,690
1981 Average.....	49	330	241	433	598	1,609	599	691	827	3,286	3,922
1982 Average.....	58	318	255	430	612	1,550	612	721	844	3,272	3,923
1983 Average.....	56	309	265	330	618	1,559	552	655	782	3,264	3,924
1984 Average.....	105	336	257	355	625	1,630	604	761	871	3,486	4,154
1985 Average.....	120	337	271	316	685	1,609	586	749	835	3,482	4,214
1986 Average.....	120	328	352	304	795	1,551	619	779	890	3,579	4,421
1987 Average.....	140	367	338	345	790	1,595	648	827	935	3,723	4,564
1988 Average.....	130	411	370	416	680	1,625	725	896	996	3,890	4,620
1989 Average P....	130	411	376	421	720	1,546	784	966	1,113	3,960	4,720
1990 Average P....	150	398	424	476	750	1,559	800	1,001	1,153	4,027	4,819

^{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.

Sources: See end of Section 4.

Table 4.3 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/}	OAEPC ^{4/}	OPEC ^{4/}	Market Economies ^{3/}		World
					Non-OPEC	Total	
1970 Average.....	11,673	13,541	14,571	23,682	17,152	40,834	48,986
1971 Average.....	11,554	15,940	15,427	25,634	17,288	42,922	51,766
1972 Average.....	11,601	17,734	16,451	27,433	17,735	45,167	54,574
1973 Average.....	11,428	20,895	18,656	31,376	17,864	49,244	59,300
1974 Average.....	10,978	21,550	18,399	31,143	17,345	48,488	59,391
1975 Average.....	10,505	19,223	16,831	27,604	17,192	44,795	56,511
1976 Average.....	10,251	21,847	19,563	31,253	17,414	48,667	61,121
1977 Average.....	10,437	22,098	20,372	31,850	18,594	50,444	63,665
1978 Average.....	10,820	21,067	19,819	30,533	19,748	50,281	64,225
1979 Average.....	10,707	21,569	22,575	31,720	21,001	52,721	66,973
1980 Average.....	10,809	18,541	20,715	27,802	21,784	49,586	64,153
1981 Average.....	10,739	15,894	17,619	23,759	22,374	46,133	60,763
1982 Average.....	10,783	12,815	13,786	20,073	23,388	43,461	58,226
1983 Average.....	10,788	11,676	12,416	18,750	24,383	43,133	58,057
1984 Average.....	11,107	11,433	12,619	18,808	25,859	44,667	59,645
1985 Average.....	11,192	10,261	11,439	17,549	26,741	44,290	59,205
1986 Average.....	10,905	12,360	13,572	19,692	26,562	46,254	61,686
1987 Average.....	10,648	12,796	13,919	19,849	26,845	46,694	62,334
1988 Average.....	10,473	14,227	15,579	21,847	27,059	48,906	64,581
1989 Average P.....	9,880	15,774	16,628	23,834	26,650	50,484	65,810
1990 Average P.....	9,678	16,130	17,121	24,915	26,912	51,827	66,459

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.

Sources: See end of Section 4.

Table 4.4 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 P....	139	172	265	112	1,163	1,621	121	590	73	3,569

1/See Explanatory Note 2 in Appendix B.

2/Data through December 1990 are for the former 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 data, the end-of-year U.S. stocks, in million barrels, would have been 1,121 in 1974, 1,420 in 1980, and 1,462 in 1982.

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

R=Revised data. P=Preliminary.

Sources: See end of Section 4.

Table 4.5. OECD Oil Consumption 1/
(Thousand Barrels per Day)

	France	Italy	Germany ^{2/}	United Kingdom	OECD Europe ^{3/}	United States ^{4/}	Canada	Japan	Other ^{5/}	Total OECD
1970 Average....	1,937	1,710	2,607	2,096	12,404	14,697	1,516	3,817	836	33,270
1971 Average....	2,115	1,838	2,702	2,141	13,005	15,213	1,565	4,142	831	34,755
1972 Average....	2,322	1,947	2,859	2,284	13,934	16,367	1,664	4,363	948	37,275
1973 Average....	2,601	2,068	3,055	2,341	14,925	17,308	1,729	4,949	988	39,900
1974 Average....	2,447	2,004	2,748	2,210	13,988	16,653	1,779	4,864	1,095	38,379
1975 Average....	2,252	1,855	2,650	1,911	13,217	16,322	1,779	4,621	1,041	36,980
1976 Average....	2,420	1,971	2,877	1,892	14,124	17,461	1,818	4,837	1,119	39,358
1977 Average....	2,294	1,897	2,865	1,905	13,916	18,431	1,850	4,880	1,160	40,237
1978 Average....	2,408	1,952	2,927	1,938	14,290	18,847	1,902	4,945	1,204	41,187
1979 Average....	2,463	2,039	3,003	1,971	14,667	18,513	1,971	5,050	1,178	41,379
1980 Average....	2,256	1,934	2,707	1,725	13,634	17,056	1,873	4,960	1,072	38,595
1981 Average....	2,023	1,874	2,449	1,590	12,515	16,058	1,768	4,848	1,080	36,269
1982 Average....	1,880	1,781	2,372	1,531	12,053	15,296	1,578	4,582	1,008	34,517
1983 Average....	1,835	1,750	2,324	1,531	11,765	15,231	1,448	4,395	954	33,793
1984 Average....	1,754	1,646	2,322	1,849	11,736	15,726	1,472	4,576	989	34,500
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	4,684	958	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	984	37,556
1990 Average P..	1,814	1,839	2,382	1,739	12,589	16,988	1,698	5,221	1,032	37,527

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

2/Data through 1990 are for the former 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. P=Preliminary.

Sources: See end of Section 4.

Table 4.6 OECD¹/Total Net Imports 1982-1990
(Million Barrels per Day of Crude Oil, Natural Gas Liquids and Refined Products)

	1982	1983	1984	1985	1986	1987	1988	1989	1990
	Average								
Total.....	17.760	16.532	16.962	15.878	17.670	18.008	18.706	20.186	20.379
United States ²	4.298	4.312	4.715	4.286	5.439	5.914	6.587	7.202	7.161
Canada.....	-1.126	-2.284	-3.309	-4.419	-3.91	-3.358	-5.85	-3.358	-3.75
OECD Europe ³	8.663	7.781	7.675	7.381	7.893	7.742	7.774	7.994	8.200
Main European Importers									
France.....	1.791	1.667	1.724	1.654	1.682	1.742	1.718	1.711	1.726
Germany ⁴	2.114	2.087	2.115	2.166	2.380	2.281	2.279	2.112	2.202
Italy.....	1.751	1.579	1.618	1.603	1.642	1.718	1.590	1.716	1.788
Netherlands.....	.557	.532	.532	.515	.632	.562	.646	.635	.678
Spain.....	.964	.954	.855	.802	.747	.803	.869	.952	.950
European Net Exporters									
Norway.....	-3.345	-5.502	-5.578	-6.656	-7.718	-8.866	-1.036	-1.420	-1.541
United Kingdom.....	-6.600	-9.906	-8.829	-1.035	-1.067	-1.015	-7.760	-2.200	-2.209
Smaller European Importers									
Austria.....	.172	.167	.176	.174	.188	.194	.185	.191	.203
Belgium.....	.437	.396	.374	.382	.456	.443	.451	.454	.442
Denmark.....	.192	.173	.165	.166	.150	.122	.107	.078	.063
Ireland.....	.091	.084	.081	.078	.098	.081	.076	.079	.095
Finland.....	.206	.212	.177	.207	.229	.242	.200	.220	.208
Greece.....	.207	.197	.197	.210	.245	.230	.242	.252	.273
Iceland.....	.010	.010	.010	.011	.011	.013	.012	.011	.011
Luxembourg.....	.022	.021	.021	.023	.024	.028	.028	.031	.034
Portugal.....	.184	.183	.185	.166	.183	.199	.198	.246	.252
Sweden.....	.394	.365	.300	.349	.379	.309	.313	.290	.326
Switzerland.....	.233	.259	.252	.257	.290	.254	.258	.254	.273
Turkey.....	.282	.304	.302	.310	.342	.402	.397	.384	.425
Japan.....	4.446	4.384	4.531	4.308	4.392	4.418	4.680	5.035	5.239
Other OECD.....	.478	.338	.350	.322	.338	.291	.250	.313	.155

^{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: 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 1989 and 1990 are preliminary.

Sources: See end of Section 4.

Table 4.7 OECD¹/Imports from OPEC²/ 1982-1990

(Million Barrels per Day of Crude Oil, Natural Gas Liquids and Refined Products)

	1982	1983	1984	1985	1986	1987	1988	1989	1990
	Average								
Total.....	13.031	11.388	11.481	10.641	12.524	12.472	13.193	14.714	15.353
United States ³ /.....	2.136	1.843	2.037	1.820	2.826	3.053	3.501	4.123	4.285
Canada.....	.200	.152	.137	.128	.158	.155	.162	.205	.189
OECD Europe ⁴ /.....	6.816	5.723	5.548	5.395	6.163	5.628	5.873	6.206	6.460
Main European Importers									
France.....	1.281	1.009	.961	.884	.948	.684	.737	.875	.930
Germany ⁵ /.....	1.007	.868	.807	.787	.831	.679	.761	.739	.776
Italy.....	1.410	1.214	1.199	1.205	1.362	1.307	1.192	1.261	1.375
Netherlands.....	.536	.538	.584	.568	.771	.773	.875	.905	.863
Spain.....	.701	.617	.595	.553	.600	.564	.608	.689	.655
European Net Exporters									
Norway.....	.013	.007	.006	.005	.008	.002	.002	.003	.007
United Kingdom.....	.461	.310	.282	.308	.328	.277	.323	.342	.405
Smaller European Importers									
Austria.....	.080	.062	.081	.087	.090	.087	.082	.088	.098
Belgium.....	.361	.231	.197	.159	.288	.257	.302	.353	.287
Denmark.....	.030	.039	.049	.035	.025	.053	.067	.069	.044
Ireland.....	.004	.001	-	.000	.001	.001	-	-	-
Finland.....	.034	.025	.020	.037	.021	.023	.011	.013	.013
Greece.....	.260	.206	.208	.197	.273	.279	.233	.244	.343
Portugal.....	.135	.134	.116	.113	.120	.101	.118	.156	.166
Sweden.....	.134	.079	.036	.051	.086	.062	.074	.064	.074
Switzerland.....	.065	.077	.075	.075	.068	.069	.051	.021	.036
Turkey.....	.303	.308	.332	.331	.344	.411	.439	.384	.388
Japan.....	3.388	3.260	3.372	2.985	3.038	3.198	3.309	3.789	4.070
Other OECD.....	.491	.410	.387	.312	.339	.439	.347	.391	.348

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 1989 and 1990 are preliminary.

Sources: See end of Section 4.

Table 4.8 OECD 1/Imports from Persian Gulf2/ 1982-1990
(Million Barrels per Day of Crude Oil, Natural Gas Liquids and Refined Products)

	1982	1983	1984	1985	1986	1987	1988	1989	1990
Average									
Imports from Persian Gulf									
Total.....	8.052	6.515	6.454	5.585	7.228	7.392	7.941	9.121	9.422
United States3/.....	.691	.436	.502	.304	.909	1.072	1.526	1.857	1.961
Canada.....	.065	.052	.008	.011	.054	.054	.056	.069	.080
OECD Europe4/.....	4.334	3.165	2.968	2.560	3.513	3.330	3.428	3.754	3.724
Main European Importers									
France.....	.856	.587	.493	.476	.586	.459	.484	.647	.702
Germany5/.....	.475	.288	.242	.152	.232	.187	.197	.216	.217
Italy.....	.902	.746	.671	.583	.817	.782	.643	.619	.626
Netherlands.....	.342	.279	.345	.294	.509	.516	.587	.663	.652
Spain.....	.488	.399	.377	.264	.328	.295	.306	.352	.291
European Net Exporters									
Norway.....	.009	.005	.006	.003	.006	.002	-	-	.000
United Kingdom.....	.323	.176	.144	.144	.173	.164	.212	.240	.248
Smaller European Importers									
Austria.....	.044	.026	.024	.023	.011	.026	.025	.022	.016
Belgium.....	.235	.104	.094	.088	.182	.162	.224	.277	.225
Denmark.....	.023	.031	.042	.022	.024	.047	.063	.067	.043
Ireland.....	.004	.001	-	.000	-	-	-	-	-
Finland.....	.033	.025	.020	.037	.021	.022	.011	.012	.011
Greece.....	.187	.132	.143	.122	.204	.211	.146	.181	.268
Portugal.....	.107	.097	.081	.076	.088	.069	.066	.085	.073
Sweden.....	.054	.017	.005	.006	.036	.029	.045	.043	.039
Switzerland.....	.020	.013	.012	.006	.008	.008	.007	.007	.007
Turkey.....	.233	.239	.268	.265	.289	.348	.411	.323	.307
Japan.....	2.674	2.638	2.773	2.533	2.557	2.637	2.691	3.173	3.394
Other OECD.....	.288	.225	.204	.176	.195	.299	.241	.267	.261

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: 0 Imports are on a direct basis. 0 Negative numbers represent net exports. 0 A dash (-) indicates no trade.
0 Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. Data prior to 1982 not available.
Data for 1989 and 1990 are preliminary.
Sources: See end of Section 4.

**Table 4.9 United States/--Net Oil Imports 1982-1990
(Million Barrels per Day of Crude Oil, Natural Gas Liquids and Refined Products)**

	1982	1983	1984	1985	1986	1987	1988	1989	1990
Average									
Total Net Imports...	4.298	4.312	4.715	4.286	5.439	5.914	6.587	7.202	7.161
Imports from OPEC2/	2.136	1.843	2.037	1.820	2.826	3.053	3.501	4.123	4.285
Imports from Persian Gulf3/									
Total.....	.691	.436	.502	.304	.909	1.072	1.526	1.857	1.961
Bahrain.....	-.001	-.001	-.001	-.001	.001	-.001	.000	-.001	-.001
Iran.....	.035	.048	.010	.019	.019	.098	.000	.000	.000
Iraq.....	.003	.010	.012	.046	.081	.083	.343	.449	.518
Kuwait.....	.005	.014	.036	.021	.068	.082	.092	.157	.086
U.A.E.....	.091	.029	.116	.044	.043	.059	.028	.027	.016
Qatar.....	.007	.000	.005	.000	.013	.000	.000	.002	.004
Saudi Arabia.....	.551	.336	.324	.168	.685	.751	1.063	1.224	1.339
Imports from OPEC-Africa									
Total.....	.750	.598	.598	.536	.737	.867	.934	1.134	1.144
Algeria.....	.170	.240	.323	.187	.271	.295	.300	.269	.280
Gabon.....	.041	.059	.058	.052	.026	.037	.016	.050	.064
Libya.....	.026	.000	.001	.004	.000	.000	.000	.000	.000
Nigeria.....	.513	.299	.216	.293	.440	.535	.618	.815	.800
Imports from OPEC-South America									
Total.....	.447	.472	.594	.666	.864	.828	.837	.948	1.065
Ecuador.....	.037	.052	.050	.064	.076	.027	.046	.087	.049
Venezuela.....	.410	.420	.544	.602	.788	.801	.790	.861	1.016
Imports from OPEC-Far East									
Total.....	.247	.335	.342	.313	.317	.284	.205	.182	.113
Indonesia.....	.247	.335	.342	.313	.317	.284	.205	.182	.113

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

U.S. geographic coverage is the 50 states and District of Columbia. 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.

Notes: 0 Imports are on a direct basis. 0 Negative numbers represent net exports. 0 A dash (-) indicates no data.
0 Zeroes (0) indicate net imports of less than 0.0005 million barrels per day. Data prior to 1982 not available.

08 Zefoes (:000) indicate net imports of Data for 1989 and 1990 are preliminary.

Data for 1989 and 1990 are preliminary.

Table 4.10 Japan--Net Oil Imports 1982-1990
(Million Barrels per Day of Crude Oil, Natural Gas Liquids and Refined Products)

	1982	1983	1984	1985	1986	1987	1988	1989	1990
	Average								
Total Net Imports..	4.446	4.384	4.531	4.308	4.392	4.418	4.680	5.035	5.239
Imports from OPEC ^{1/}	3.388	3.260	3.372	2.985	3.038	3.198	3.309	3.789	4.070
Imports from Persian Gulf ^{2/}	2.674	2.638	2.773	2.533	2.557	2.637	2.691	3.173	3.394
Total.....	.013	.024	.024	.026	.034	.037	.036	.042	.037
Bahrain.....	.228	.394	.258	.259	.220	.230	.187	.291	.385
Iran.....	.070	.010	.015	.063	.164	.105	.173	.219	.146
Iraq.....	.100	.156	.231	.215	.278	.347	.341	.458	.291
Kuwait.....	.584	.652	.674	.845	.890	.773	.822	.929	1.032
U.A.E.....	.145	.147	.240	.220	.183	.139	.203	.250	.263
Qatar.....	1.534	1.254	1.330	.904	.789	1.005	.930	.984	1.240
Saudi Arabia.....									
Imports from OPEC-Africa									
Total.....	.060	.038	.012	.010	.016	.023	.044	.016	.020
Algeria.....	.055	.038	.012	.010	.015	.023	.044	.015	.010
Gabon.....	.002	-	-	-	-	-	-	.002	.009
Libya.....	.003	-	-	.001	.001	-	-	-	.001
Nigeria.....	-	-	-	-	-	-	-	-	-
Imports from OPEC-South America									
Total.....	.027	.023	.017	.016	.013	.012	.011	.011	.011
Ecuador.....	-	-	-	.002	.001	-	-	-	-
Venezuela.....	.027	.023	.017	.014	.012	.012	.011	.011	.011
Imports from OPEC-Far East									
Total.....	.639	.586	.594	.452	.486	.563	.599	.631	.682
Indonesia.....	.639	.586	.594	.452	.486	.563	.599	.631	.682

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: 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 1989 and 1990 are preliminary.
 Sources: See end of Section 4.

Table 4.11 OECD Europe¹--Net Oil Imports 1982-1990
(Million Barrels per Day of Crude Oil, Natural Gas Liquids and Refined Products)

	1982	1983	1984	1985	1986	1987	1988	1989	1990
	Average								
Total Net Imports...	8.663	7.781	7.675	7.381	7.893	7.742	7.774	7.994	8.200
Imports from OPEC ² /	6.816	5.723	5.548	5.395	6.163	5.628	5.873	6.206	6.460
Imports from Persian Gulf ³ /	4.334	3.165	2.968	2.560	3.513	3.330	3.428	3.754	3.724
Total.....	.004	.005	.019	.004	.002	.001	.009	.005	.020
Bahrain.....	.845	.859	.841	.648	.511	.732	.850	1.076	1.191
Iran.....	.424	.388	.516	.673	.717	.905	.959	.897	.592
Iraq.....	.180	.251	.324	.356	.456	.469	.474	.452	.336
Kuwait.....	.371	.343	.265	.131	.164	.206	.134	.214	.419
U.A.E.....	.127	.077	.118	.051	.054	.040	.021	.024	.103
Qatar.....	2.383	1.241	.884	.698	1.609	.978	.981	1.086	1.064
Saudi Arabia.....	2.179	2.228	2.318	2.524	2.398	2.089	2.230	2.241	2.521
Imports from OPEC-Africa	.644	.578	.574	.659	.615	.627	.646	.648	.676
Total.....	.052	.062	.067	.077	.090	.031	.031	.017	.024
Algeria.....	.940	.940	.894	.948	.967	.962	1.071	1.044	1.264
Gabon.....	.543	.647	.783	.841	.727	.469	.481	.532	.558
Libya.....									
Nigeria.....									
Imports from OPEC-South America	.300	.326	.267	.307	.252	.208	.220	.213	.227
Total.....	.001	.002	—	—	—	—	—	.001	.001
Ecuador.....	.299	.324	.267	.307	.252	.208	.220	.212	.225
Venezuela.....									
Imports from OPEC-Far East	.008	.010	.015	.008	.002	.002	.005	.004	.008
Total.....	.008	.010	.015	.008	.002	.002	.005	.004	.008
Indonesia.....									

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 1989 and 1990 are preliminary.

Sources: See end of Section 4.

Table 4.12 France--Net Oil Imports 1982-1990
(Million Barrels per Day of Crude Oil, Natural Gas Liquids and Refined Products)

	1982	1983	1984	1985	1986	1987	1988	1989	1990
	Average								
Total Net Imports..	1.791	1.667	1.724	1.654	1.682	1.742	1.718	1.711	1.726
Imports from OPEC1/	1.281	1.009	.961	.884	.948	.684	.737	.875	.930
Imports from Persian Gulf2/	.856	.587	.493	.476	.586	.459	.484	.647	.702
Bahrain.....	.001	.003	.001	-	.001	-	.007	.002	.011
Iran.....	.078	.085	.068	.082	.065	.088	.012	.158	.181
Iraq.....	.030	.041	.072	.138	.109	.151	.143	.128	.062
Kuwait.....	.018	.019	.019	.035	.023	.044	.017	.021	.007
U.A.E.....	.134	.130	.089	.054	.035	-	.017	.040	.233
Qatar.....	.042	.018	.043	.034	.030	.002	.017	.009	.099
Saudi Arabia.....	.554	.291	.200	.134	.324	.175	.271	.288	.109
Imports from OPEC-Africa									
Total.....	.397	.394	.451	.387	.344	.212	.249	.218	.225
Algeria.....	.186	.149	.158	.109	.089	.072	.079	.089	.088
Gabon.....	.025	.011	.025	.043	.065	-	-	-	-
Libya.....	.052	.065	.076	.070	.061	.064	.090	.065	.077
Nigeria.....	.133	.169	.192	.165	.129	.076	.079	.064	.060
Imports from OPEC-South America									
Total.....	.028	.031	.018	.020	.019	.012	.011	.012	.013
Ecuador.....	-	-	-	-	-	-	-	-	.000
Venezuela.....	.028	.031	.018	.020	.019	.012	.011	.012	.013
Imports from OPEC-Far East									
Total.....	.001	-	.000	.002	.000	-	-	.000	-
Indonesia.....	.001	-	.000	.002	.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.
 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 1989 and 1990 are preliminary.
 Sources: See end of Section 4.

Table 4.13 Germany^{1/}--Net Oil Imports 1982-1990
(Million Barrels per Day of Crude Oil, Natural Gas Liquids and Refined Products)

	1982	1983	1984	1985	1986	1987	1988	1989	1990
	Average								
Total Net Imports...	2.114	2.087	2.115	2.166	2.380	2.281	2.279	2.112	2.202
Imports from OPEC ^{2/}	1.007	.868	.807	.787	.831	.679	.761	.739	.776
Imports from Persian Gulf ^{3/}	.475	.288	.242	.152	.232	.187	.197	.216	.217
Total.....	.001	.000	—	.000	—	—	—	—	—
Bahrain.....	.045	.042	.049	.053	.041	.020	.051	.041	.055
Iran.....	.016	.030	.041	.008	.016	.052	.032	.009	.004
Iraq.....	.013	.029	.026	.021	.021	.017	.013	.022	.013
Kuwait.....	.047	.029	.023	.006	.004	.024	.006	.023	.016
U.A.E.....	.008	.015	.010	—	—	.001	.001	.002	.003
Qatar.....	.345	.142	.093	.064	.151	.072	.095	.119	.125
Saudi Arabia.....									
Imports from OPEC-Africa	.491	.475	.483	.532	.485	.405	.472	.436	.469
Total.....	.119	.104	.086	.130	.137	.146	.141	.106	.098
Algeria.....	.006	.033	.006	.003	.001	.004	—	—	.005
Gabon.....	.233	.218	.200	.201	.152	.160	.237	.235	.244
Libya.....	.133	.150	.191	.197	.195	.095	.095	.095	.123
Nigeria.....									
Imports from OPEC-South America	.042	.106	.082	.103	.113	.086	.091	.086	.088
Total.....	.042	.106	.082	.103	.113	.086	.091	.086	.088
Venezuela.....									
Imports from OPEC-Far East	.000	—	—	.000	.001	.002	—	—	.002
Total.....	.000	—	—	.000	.001	.002	—	—	.002
Indonesia.....									

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: a 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 1989 and 1990 are preliminary.

Sources: See end of Section 4.

Table 4.14 Italy--Net Oil Imports 1982-1990
(Million Barrels per Day of Crude Oil, Natural Gas Liquids and Refined Products)

	1982	1983	1984	1985	1986	1987	1988	1989	1990
	Average								
Total Net Imports..	1.751	1.579	1.618	1.603	1.642	1.718	1.590	1.716	1.788
Imports from OPEC ^{1/}	1.410	1.214	1.199	1.205	1.362	1.307	1.192	1.261	1.375
Imports from Persian Gulf ^{2/}	.902	.746	.671	.583	.817	.782	.643	.619	.626
Total.....	.001	.000	-	.002	.001	.000	-	.001	.000
Bahrain.....	.258	.238	.190	.146	.135	.141	.093	.124	.192
Iran.....	.117	.096	.098	.139	.114	.167	.198	.138	.079
Iraq.....	.072	.087	.108	.132	.147	.142	.118	.093	.063
Kuwait.....	.036	.067	.053	.024	.051	.109	.060	.085	.075
U.A.E.....	.029	.013	.018	.007	.004	.029	.002	.008	-
Qatar.....	.390	.244	.204	.134	.364	.194	.171	.171	.216
Saudi Arabia.....									
Imports from OPEC-Africa	.409	.393	.450	.552	.507	.489	.517	.627	.740
Total.....	.117	.062	.067	.110	.087	.109	.108	.150	.155
Algeria.....	.001	.009	.001	.001	.001	-	.001	.001	-
Gabon.....	.226	.225	.261	.299	.309	.342	.389	.430	.556
Libya.....	.066	.097	.121	.142	.110	.038	.019	.045	.029
Nigeria.....									
Imports from OPEC-South America	.097	.075	.076	.072	.039	.037	.029	.014	.007
Total.....	.001	-	-	-	-	-	-	-	-
Ecuador.....	.097	.075	.076	.072	.039	.037	.029	.014	.007
Venezuela.....									
Imports from OPEC-Far East	.002	-	.001	-	-	-	.002	.002	.003
Total.....	.002	-	.001	-	-	-	.002	.002	.003
Indonesia.....									

^{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: 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 1989 and 1990 are preliminary.
 Sources: See end of Section 4.

Table 4.15 OECD^{1/} Imports from Iraq 1982-1990

(Million Barrels per Day of Crude Oil, Natural Gas Liquids and Refined Products)

	1982	1983	1984	1985	1986	1987	1988	1989	1990
	Average								
Total.....	0.496	0.408	0.542	0.784	0.964	1.103	1.489	1.581	1.269
United States ^{2/}	.003	.010	.012	.046	.081	.083	.343	.449	.518
Canada.....	-	-	-	-	-	.010	.001	.013	.011
OECD Europe ^{3/}	.424	.388	.516	.673	.717	.905	.959	.897	.592
Main European Importers									
France.....	.030	.041	.072	.138	.109	.151	.143	.128	.062
Germany ^{4/}	.016	.030	.041	.008	.016	.052	.032	.009	.004
Italy.....	.117	.096	.098	.139	.114	.167	.198	.138	.079
Netherlands.....	.007	.003	.021	.022	.067	.034	.039	.101	.117
Spain.....	.059	.042	.071	.123	.117	.080	.092	.109	.063
European Net Exporters									
United Kingdom.....	.021	.013	.008	.041	.071	.082	.070	.034	.028
Smaller European Importers									
Austria.....	.002	-	.006	.007	-	.015	.007	.000	.000
Belgium.....	.008	.033	.038	.019	.026	.049	.037	.047	.029
Denmark.....	-	-	-	.000	-	.001	-	-	-
Greece.....	.028	.027	.060	.038	.030	.065	.059	.052	.044
Portugal.....	.025	.014	.016	.018	.024	.019	.029	.024	.019
Sweden.....	-	-	-	.000	-	.003	.003	.005	-
Switzerland.....	-	-	-	-	-	.000	-	.000	-
Turkey.....	.111	.090	.086	.121	.143	.188	.250	.250	.146
Japan.....	.070	.010	.015	.063	.164	.105	.173	.219	.146
Other OECD.....	.000	.000	-.001	.001	.002	.000	.013	.003	.003

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 1989 and 1990 are preliminary.

Sources: See end of Section 4.

Table 4.16 OECD^{1/} Imports from Kuwait 1982-1990
(Million Barrels per Day of Crude Oil, Natural Gas Liquids and Refined Products)

	1982	1983	1984	1985	1986	1987	1988	1989	1990
	Average								
Total.....	0.309	0.456	0.631	0.624	0.829	0.925	0.936	1.084	0.726
United States ^{2/}	.005	.014	.036	.021	.068	.082	.092	.157	.086
Canada.....	.000	.003	—	—	—	—	—	—	.004
OECD Europe ^{3/}	.180	.251	.324	.356	.456	.469	.474	.452	.336
Main European Importers									
France.....	.018	.019	.019	.035	.023	.044	.017	.021	.007
Germany ^{4/}	.013	.029	.026	.021	.021	.017	.013	.022	.013
Italy.....	.072	.087	.108	.132	.147	.142	.118	.093	.063
Netherlands.....	.038	.065	.095	.098	.122	.150	.189	.194	.151
Spain.....	.013	.001	.003	.003	.020	.015	.030	.015	.010
European Net Exporters									
United Kingdom.....	.015	.011	.016	.023	.014	.011	.006	.006	.043
Smaller European Importers									
Austria.....	—	—	—	—	—	—	.004	.002	.000
Belgium.....	.001	.001	.005	.002	.006	.000	—	—	.000
Denmark.....	—	.023	.032	.021	.020	.045	.060	.066	.034
Finland.....	—	—	—	.000	—	—	—	—	—
Greece.....	—	—	.009	.005	.038	.030	.015	.009	—
Portugal.....	—	—	—	—	—	.001	.003	.003	.002
Sweden.....	—	—	—	.002	—	.013	—	.001	.001
Turkey.....	.011	.014	.011	.012	.046	.019	.019	.019	.011
Japan.....	.100	.156	.231	.215	.278	.347	.341	.458	.291
Other OECD.....	.024	.032	.039	.032	.028	.026	.029	.017	.009

^{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: 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 1989 and 1990 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 1990 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 1990.

Other OECD Countries: Organization for Economic Cooperation and Development (OECD), Quarterly Oil Statistics and Energy Balances of OECD Countries, various issues.
o OECD, Monthly Oil Statistics data base, 1980-1991.

Oil Consumption

United States: EIA, Petroleum Supply Annual 1990.

Other OECD Countries: OECD, Quarterly Oil Statistics and Energy Balances of OECD Countries, various issues.
o OECD, Annual Oil Statistics data base, 1970-1979.
o OECD, Monthly Oil Statistics data base, 1980-1991.

Oil Imports

United States: Energy Information Administration (EIA), Petroleum Supply Annual 1990.

Other OECD Countries: Organization for Economic Cooperation and Development (OECD), Quarterly Oil Statistics and Energy Balances of OECD Countries, 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, Germany, Greece, Ireland, Italy, Japan, Luxembourg, the Netherlands, New Zealand, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, the United Kingdom, and the United States. Australia and Portugal joined the IEA as new members in 1979 and 1980, respectively.

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.

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, Ecuador, Gabon, Indonesia, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, the United Arab Emirates, and Venezuela.

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.

Centrally Planned Economies (CPE) or Communist countries are: Albania, Bulgaria, Cambodia, China, Cuba, Czechoslovakia, East Germany, Hungary, Laos, Mongolia, North Korea, Poland, Romania, U.S.S.R., Vietnam, and Yugoslavia.

Market Economies consist of the World excluding Centrally Planned Economies.

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.

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), and inland ship bunkers. (to the extent that their cargo is to be unloaded in the reporting country)." 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 (Puerto Rico, Guam, 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 March 1991 United States (including territories) oil stocks totaled 1,415 million barrels.

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.

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.

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

Note 1: Net CPE Exports are calculated using total exports minus total imports for the following countries: Albania, Bulgaria, Cambodia, China, Cuba, Czechoslovakia, East Germany, Hungary, Laos, Mongolia, North Korea, Poland, Romania, U.S.S.R., Vietnam, and Yugoslavia. Export and import data are found in the data base for the International Energy Annual.

Note 2: Other Stocks are oil stocks in non-OECD countries not normally published. EIA estimates that these countries maintain average oil stocks equal to approximately 55 days of forward consumption.

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