

Plan B 4.0 - Supporting Data for Chapters 4 and 5 - Oil

[World Oil Production, 1950-2008](#)

GRAPH: World Oil Production, 1950-2008

[World's 20 Largest Oil Discoveries](#)

[U.S. Oil Consumption, 1965-2008](#)

GRAPH: U.S. Oil Consumption, 1965-2008

[Oil Consumption in China, 1965-2008](#)

GRAPH: Oil Consumption in China, 1965-2008

A full listing of data for the entire book is on-line at:

http://www.earthpolicy.org/index.php?/books/pb4/pb4_data

This is part of a supporting dataset for Lester R. Brown, **Plan B 4.0: Mobilizing to Save Civilization** (New York: W.W. Norton & Company, 2009). For more information and a free download of the book, see Earth Policy Institute on-line at www.earthpolicy.org.

World Oil Production, 1950-2008

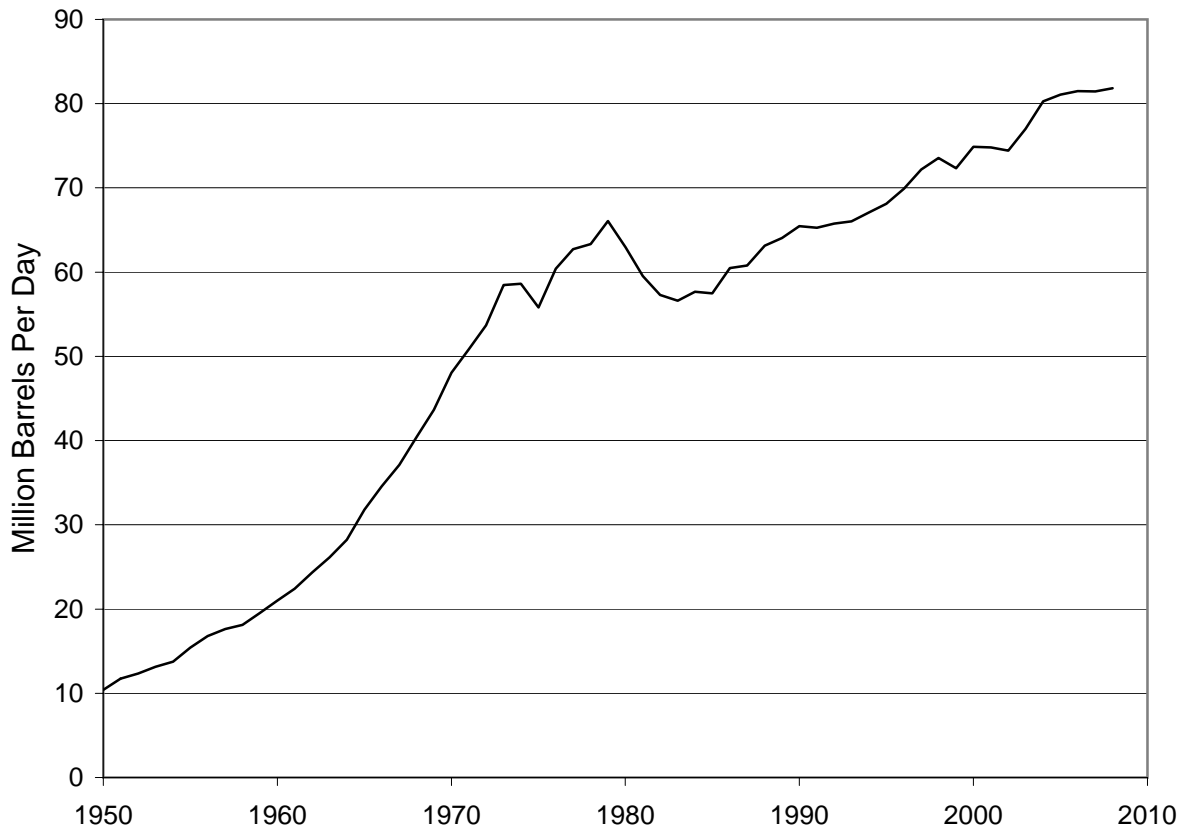
Year	Oil Production Million Barrels per Day
1950	10.42
1951	11.73
1952	12.34
1953	13.15
1954	13.74
1955	15.41
1956	16.78
1957	17.64
1958	18.10
1959	19.54
1960	21.03
1961	22.43
1962	24.33
1963	26.13
1964	28.25
1965	31.81
1966	34.57
1967	37.12
1968	40.44
1969	43.64
1970	48.06
1971	50.85
1972	53.67
1973	58.47
1974	58.62
1975	55.83
1976	60.41
1977	62.71
1978	63.33
1979	66.05
1980	62.95
1981	59.53
1982	57.30
1983	56.60
1984	57.69
1985	57.47
1986	60.46
1987	60.78
1988	63.15
1989	64.04
1990	65.46
1991	65.27
1992	65.77
1993	66.03
1994	67.10
1995	68.10
1996	69.90
1997	72.18
1998	73.54
1999	72.32
2000	74.86
2001	74.79
2002	74.43
2003	76.99
2004	80.26
2005	81.09
2006	81.50
2007	81.44
2008	81.82

Note: Oil production includes crude oil, shale oil, oil sands and natural gas liquids.

Source: 1950-1964 compiled by Worldwatch Institute from U.S. Department of Defense and U.S. Department of Energy data; 1965-2008 data from BP, *Statistical Review of World Energy June 2009* (London: 2009).

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World Oil Production, 1950-2008



Source: BP; Worldwatch

World's 20 Largest Oil Discoveries

Field	Country	Discovery	Size of Field Billion Barrels
Bolivar Coastal	Venezuela	1917	14 - 30
Kirkuk	Iraq	1927	15 - 25
Gashsaran	Iran	1928	12 - 14
Greater Burgan	Kuwait	1938	32 - 75
Abqaiq	Saudi Arabia	1941	13 - 19
Ghawar	Saudi Arabia	1948	66 - 150
Romashkino	Russia	1948	17
Safaniya	Saudi Arabia	1951	21 - 55
Rumaila North & South	Iraq	1953	19 - 30
Manifa	Saudi Arabia	1957	11 - 23
Khurais	Saudi Arabia	1957	13 - 19
Ahwaz	Iran	1958	13 - 15
Daqing	China	1959	13 - 18
Samotlor	Russia	1961	28
Berri	Saudi Arabia	1964	10 - 25
Zakum	United Arab Emirates	1964	17 - 21
Zuluf	Saudi Arabia	1965	11 - 20
Shaybah	Saudi Arabia	1968	7 - 22
Cantarell	Mexico	1976	11 - 20
East Baghdad	Iraq	1979	11 - 19

Source: Fredrik Robelius, *Giant Oil Fields - The Highway to Oil* (Uppsala, Sweden: Uppsala University Press, 2007), p. 79.

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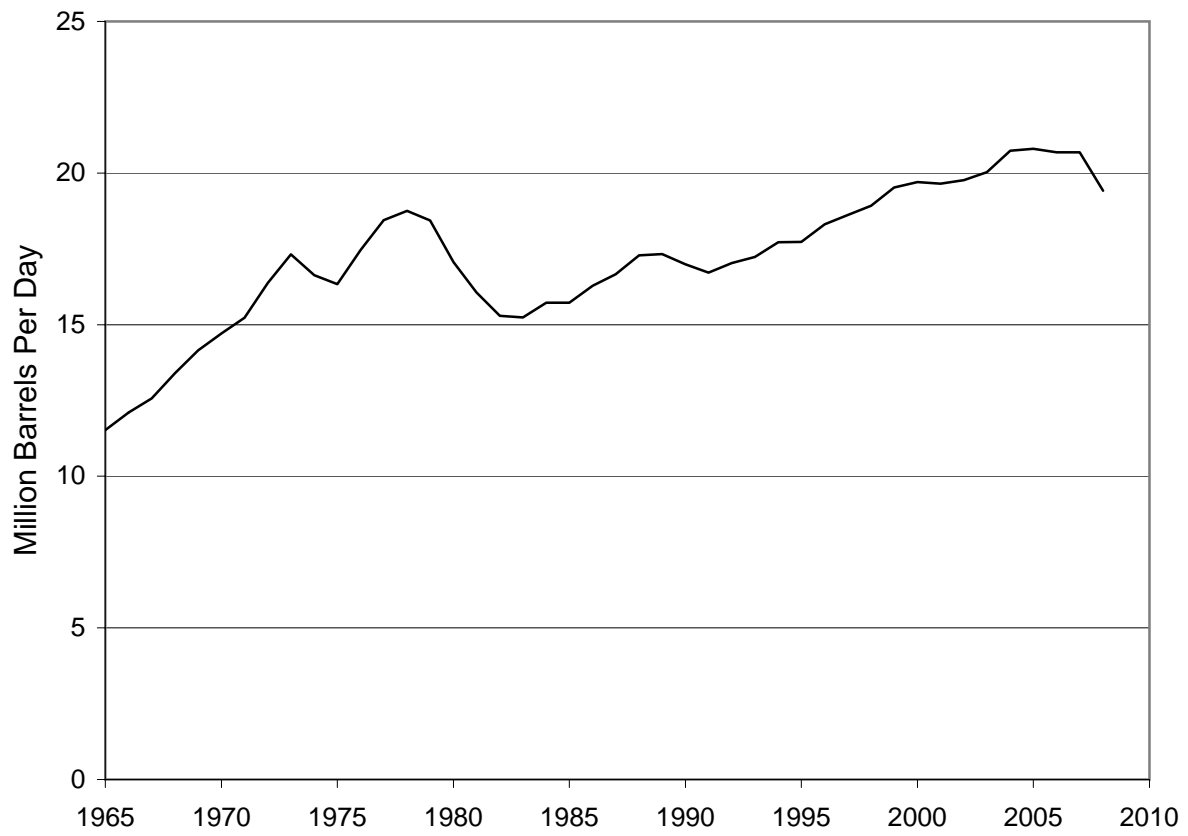
U.S. Oil Consumption, 1965-2008

Year	Consumption*
	Million Barrels per Day
1965	11.5
1966	12.1
1967	12.6
1968	13.4
1969	14.2
1970	14.7
1971	15.2
1972	16.4
1973	17.3
1974	16.6
1975	16.3
1976	17.5
1977	18.4
1978	18.8
1979	18.4
1980	17.1
1981	16.1
1982	15.3
1983	15.2
1984	15.7
1985	15.7
1986	16.3
1987	16.7
1988	17.3
1989	17.3
1990	17.0
1991	16.7
1992	17.0
1993	17.2
1994	17.7
1995	17.7
1996	18.3
1997	18.6
1998	18.9
1999	19.5
2000	19.7
2001	19.6
2002	19.8
2003	20.0
2004	20.7
2005	20.8
2006	20.7
2007	20.7
2008	19.4

* Includes ethanol and biodiesel.

Source: BP, *Statistical Review of World Energy June 2009* (London: 2009).

U.S. Oil Consumption, 1965-2008



Source: BP

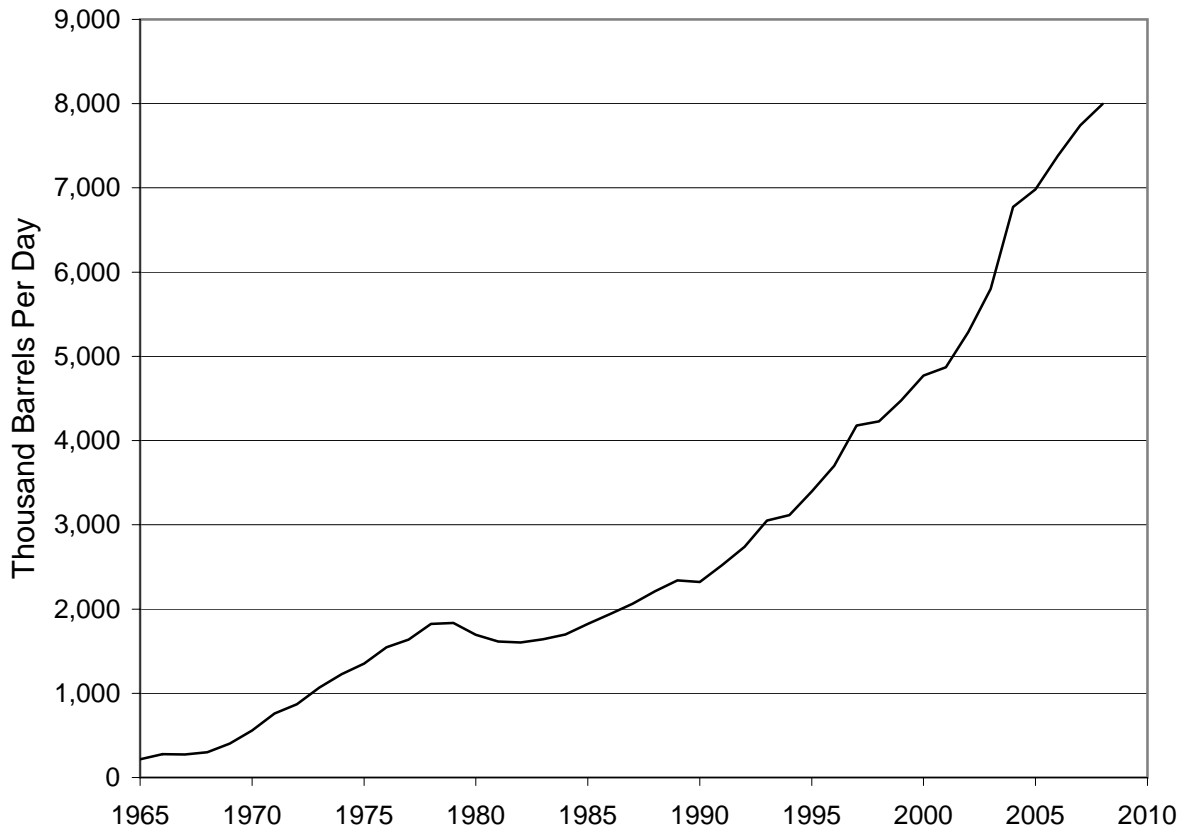
Oil Consumption in China, 1965-2008

Year	Consumption*
	Thousand Barrels per Day
1965	217
1966	279
1967	275
1968	300
1969	404
1970	559
1971	759
1972	871
1973	1,067
1974	1,226
1975	1,353
1976	1,546
1977	1,638
1978	1,825
1979	1,833
1980	1,694
1981	1,616
1982	1,601
1983	1,642
1984	1,700
1985	1,825
1986	1,941
1987	2,062
1988	2,211
1989	2,340
1990	2,323
1991	2,524
1992	2,740
1993	3,051
1994	3,116
1995	3,395
1996	3,702
1997	4,179
1998	4,228
1999	4,477
2000	4,772
2001	4,872
2002	5,288
2003	5,803
2004	6,772
2005	6,984
2006	7,382
2007	7,742
2008	7,999

* Includes ethanol and biodiesel.

Source: BP, *Statistical Review of World Energy June 2009* (London: 2009).

Oil Consumption in China, 1965-2008



Source: BP