

## **Full Planet, Empty Plates**

### **Supporting Data for Chapter 3: Moving Up the Food Chain**

#### **FISH**

[World Wild Fish Catch and Farmed Fish Production, 1950-2010](#)

GRAPH: World Wild Fish Catch and Farmed Fish Production, 1950-2010

[World Wild Fish Catch and Farmed Fish Production Per Person, 1950-2010](#)

GRAPH: World Wild Fish Catch and Farmed Fish Production Per Person, 1950-2010

[Fish Consumption in Top Ten Countries, 2009](#)

[Fish Consumption Per Person in Top Ten Countries, 2009](#)

[Farmed Fish Production in China and the United States, 1950-2010](#)

GRAPH: Farmed Fish Production in China and the United States, 1950-2010

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

[http://www.earth-policy.org/books/fpep/fpep\\_data](http://www.earth-policy.org/books/fpep/fpep_data)

This is part of a supporting dataset for Lester R. Brown, **Full Planet, Empty Plates: The New Geopolitics of Food Scarcity** (New York: W.W. Norton & Company, 2012). For more information, see Earth Policy Institute on-line at [www.earth-policy.org](http://www.earth-policy.org).

**World Wild Fish Catch and Farmed Fish Production, 1950-2010**

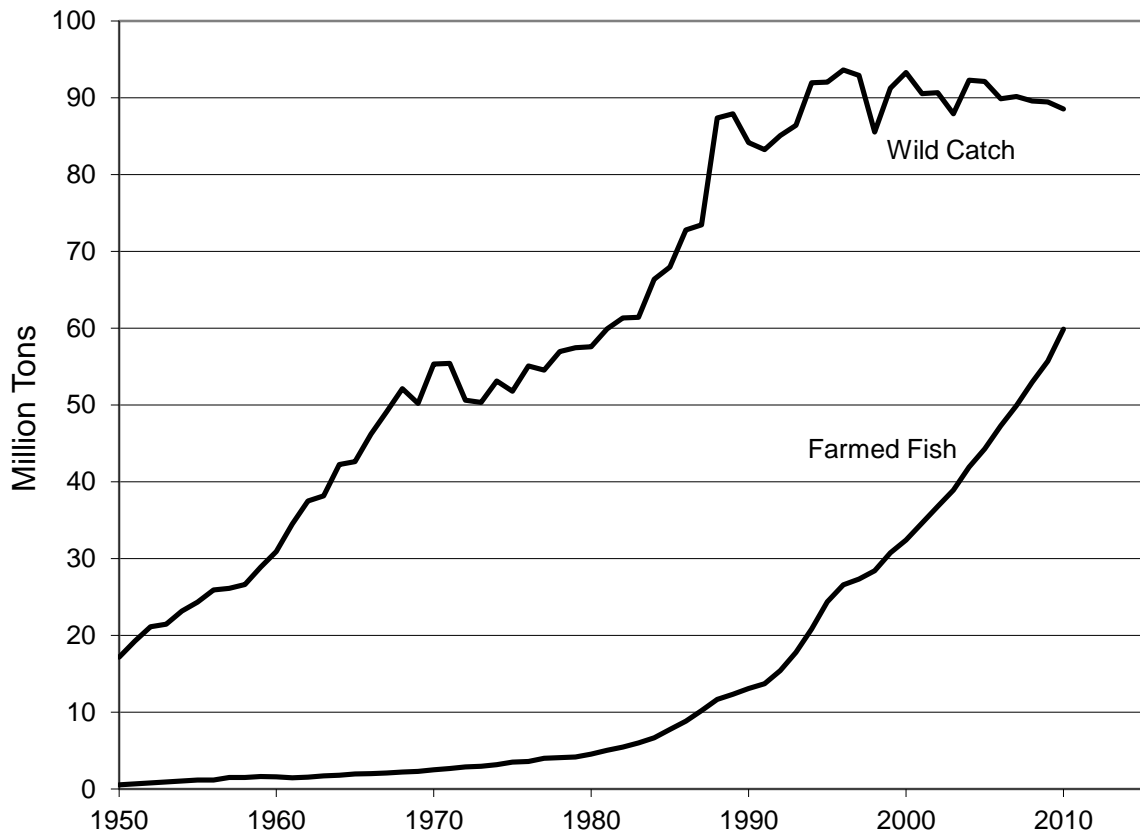
Year	Wild Catch	Farmed Fish	Total Fish
	Million Tons		Production
1950	17.2	0.5	17.7
1951	19.2	0.7	19.9
1952	21.1	0.8	21.9
1953	21.5	0.9	22.4
1954	23.2	1.0	24.2
1955	24.3	1.2	25.5
1956	25.9	1.2	27.1
1957	26.1	1.5	27.6
1958	26.6	1.5	28.1
1959	28.9	1.6	30.5
1960	30.9	1.6	32.5
1961	34.5	1.5	36.0
1962	37.5	1.5	39.0
1963	38.2	1.7	39.9
1964	42.3	1.8	44.1
1965	42.6	2.0	44.6
1966	46.2	2.0	48.2
1967	49.1	2.1	51.2
1968	52.1	2.2	54.3
1969	50.2	2.3	52.5
1970	55.4	2.5	57.8
1971	55.4	2.7	58.1
1972	50.6	2.9	53.5
1973	50.3	3.0	53.3
1974	53.1	3.2	56.3
1975	51.8	3.5	55.3
1976	55.1	3.6	58.7
1977	54.5	4.0	58.5
1978	56.9	4.1	61.0
1979	57.5	4.2	61.6
1980	57.6	4.5	62.1
1981	59.9	5.1	65.0
1982	61.3	5.5	66.8
1983	61.4	6.0	67.4
1984	66.4	6.7	73.0
1985	67.9	7.7	75.7
1986	72.8	8.8	81.7
1987	73.4	10.2	83.7
1988	87.4	11.7	99.0
1989	87.9	12.3	100.2
1990	84.1	13.1	97.2
1991	83.2	13.7	97.0
1992	85.1	15.4	100.5
1993	86.4	17.8	104.2
1994	92.0	20.8	112.8
1995	92.1	24.4	116.4
1996	93.6	26.6	120.2
1997	92.9	27.3	120.2
1998	85.5	28.4	114.0
1999	91.3	30.7	122.0
2000	93.3	32.4	125.7
2001	90.5	34.6	125.2
2002	90.6	36.8	127.4
2003	87.9	38.9	126.8
2004	92.3	41.9	134.2
2005	92.1	44.3	136.4
2006	89.9	47.3	137.2
2007	90.2	49.9	140.1
2008	89.6	52.9	142.5
2009	89.5	55.7	145.2
2010	88.5	59.9	148.4

Note: Fish data include fishes, crustaceans, mollusks, and various other aquatic animals. Crocodiles, alligators, and aquatic mammals are excluded.

Source: Compiled by Earth Policy Institute from U.N. Food and Agriculture Organization, *Global Capture Production and Global Aquaculture Production*, electronic databases, at [www.fao.org/fishery/topic/16140/en](http://www.fao.org/fishery/topic/16140/en), updated March 2012.

This is part of a supporting dataset for Lester R. Brown, **Full Planet, Empty Plates: The New Geopolitics of Food Scarcity** (New York: W.W. Norton & Company, 2012). For more information, see Earth Policy Institute on-line at [www.earth-policy.org](http://www.earth-policy.org).

# World Wild Fish Catch and Farmed Fish Production, 1950-2010



Source: FAO

### World Wild Fish Catch and Farmed Fish Production Per Person, 1950-2010

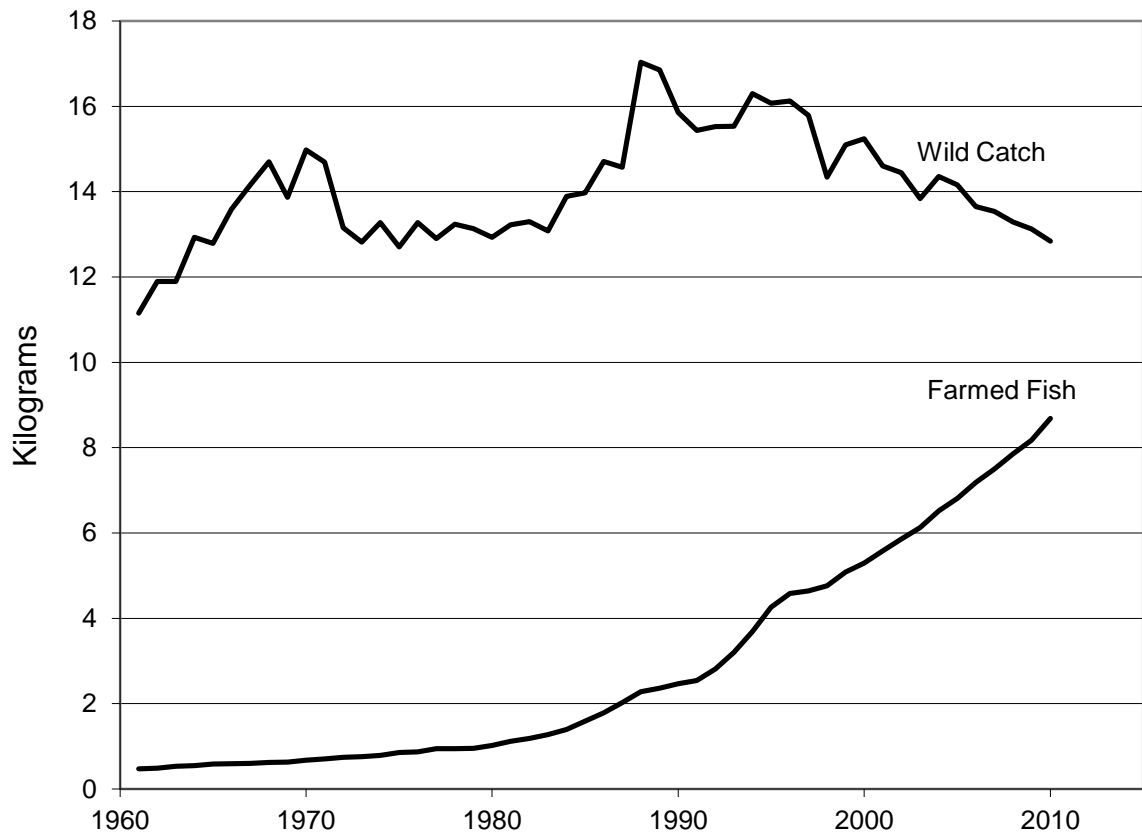
Year	Wild Catch	Farmed Fish	Total Fish Production
	Kilograms		
1950	6.8	0.2	7.0
1951	7.5	0.3	7.7
1952	8.0	0.3	8.3
1953	8.0	0.3	8.4
1954	8.5	0.4	8.9
1955	8.8	0.4	9.2
1956	9.2	0.4	9.6
1957	9.1	0.5	9.6
1958	9.1	0.5	9.6
1959	9.7	0.5	10.2
1960	10.2	0.5	10.7
1961	11.2	0.5	11.6
1962	11.9	0.5	12.4
1963	11.9	0.5	12.4
1964	12.9	0.5	13.5
1965	12.8	0.6	13.4
1966	13.6	0.6	14.2
1967	14.2	0.6	14.7
1968	14.7	0.6	15.3
1969	13.9	0.6	14.5
1970	15.0	0.7	15.6
1971	14.7	0.7	15.4
1972	13.2	0.7	13.9
1973	12.8	0.8	13.6
1974	13.3	0.8	14.1
1975	12.7	0.9	13.6
1976	13.3	0.9	14.1
1977	12.9	0.9	13.8
1978	13.2	0.9	14.2
1979	13.1	1.0	14.1
1980	12.9	1.0	14.0
1981	13.2	1.1	14.3
1982	13.3	1.2	14.5
1983	13.1	1.3	14.4
1984	13.9	1.4	15.3
1985	14.0	1.6	15.6
1986	14.7	1.8	16.5
1987	14.6	2.0	16.6
1988	17.0	2.3	19.3
1989	16.8	2.4	19.2
1990	15.9	2.5	18.3
1991	15.4	2.5	18.0
1992	15.5	2.8	18.3
1993	15.5	3.2	18.7
1994	16.3	3.7	20.0
1995	16.1	4.3	20.3
1996	16.1	4.6	20.7
1997	15.8	4.6	20.4
1998	14.3	4.8	19.1
1999	15.1	5.1	20.2
2000	15.2	5.3	20.5
2001	14.6	5.6	20.2
2002	14.4	5.9	20.3
2003	13.8	6.1	20.0
2004	14.4	6.5	20.9
2005	14.2	6.8	21.0
2006	13.7	7.2	20.8
2007	13.5	7.5	21.0
2008	13.3	7.9	21.1
2009	13.1	8.2	21.3
2010	12.8	8.7	21.5

Note: Fish data include fishes, crustaceans, mollusks, and various other aquatic animals. Crocodiles, alligators, and aquatic mammals are excluded.

Source: Compiled by Earth Policy Institute from U.N. Food and Agriculture Organization, *Global Capture Production and Global Aquaculture Production*, electronic databases, at [www.fao.org/fishery/topic/16140/en](http://www.fao.org/fishery/topic/16140/en), updated March 2012; world population data from U.N. Population Division, *World Population Prospects: The 2010 Revision*, electronic database, at [esa.un.org/unpd/wpp/index.htm](http://esa.un.org/unpd/wpp/index.htm), updated 3 May 2011.

This is part of a supporting dataset for Lester R. Brown, **Full Planet, Empty Plates: The New Geopolitics of Food Scarcity** (New York: W.W. Norton & Company, 2012). For more information, see Earth Policy Institute on-line at [www.earth-policy.org](http://www.earth-policy.org).

# World Wild Fish Catch and Farmed Fish Production Per Person, 1950-2010



Source: FAO; UNPop

### Fish Consumption in Top Ten Countries, 2009

Rank	Country	Consumption Million Tons
1	China	54.1
2	Japan	9.4
3	United States	8.0
4	India	7.1
5	Indonesia	6.4
6	Viet Nam	4.0
7	Russia	3.7
8	South Korea	3.6
9	Philippines	3.4
10	Burma (Myanmar)	3.1
	World	152.0

Source: Compiled by Earth Policy Institute from U.N. Food and Agriculture Organization, *FAOSTAT*, at [faostat.fao.org](http://faostat.fao.org), updated June 2012.

This is part of a supporting dataset for Lester R. Brown, **Full Planet, Empty Plates: The New Geopolitics of Food Scarcity** (New York: W.W. Norton & Company, 2012). For more information, see Earth Policy Institute on-line at [www.earth-policy.org](http://www.earth-policy.org).

### Fish Consumption Per Person in Top Ten Countries, 2009

Rank	Country	Consumption Kilograms Per Person Per Year
1	Portugal	61.1
2	Japan	56.6
3	South Korea	56.1
4	Malaysia	53.2
5	Burma (Myanmar)	50.8
6	Norway	50.6
7	Spain	42.9
8	Lithuania	40.7
9	Finland	36.7
10	Philippines	36.4
	World	18.5

Source: Compiled by Earth Policy Institute from U.N. Food and Agriculture Organization, *FAOSTAT*, at [faostat.fao.org](http://faostat.fao.org), updated June 2012.

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**Farmed Fish Production in China and the United States, 1950-2010**

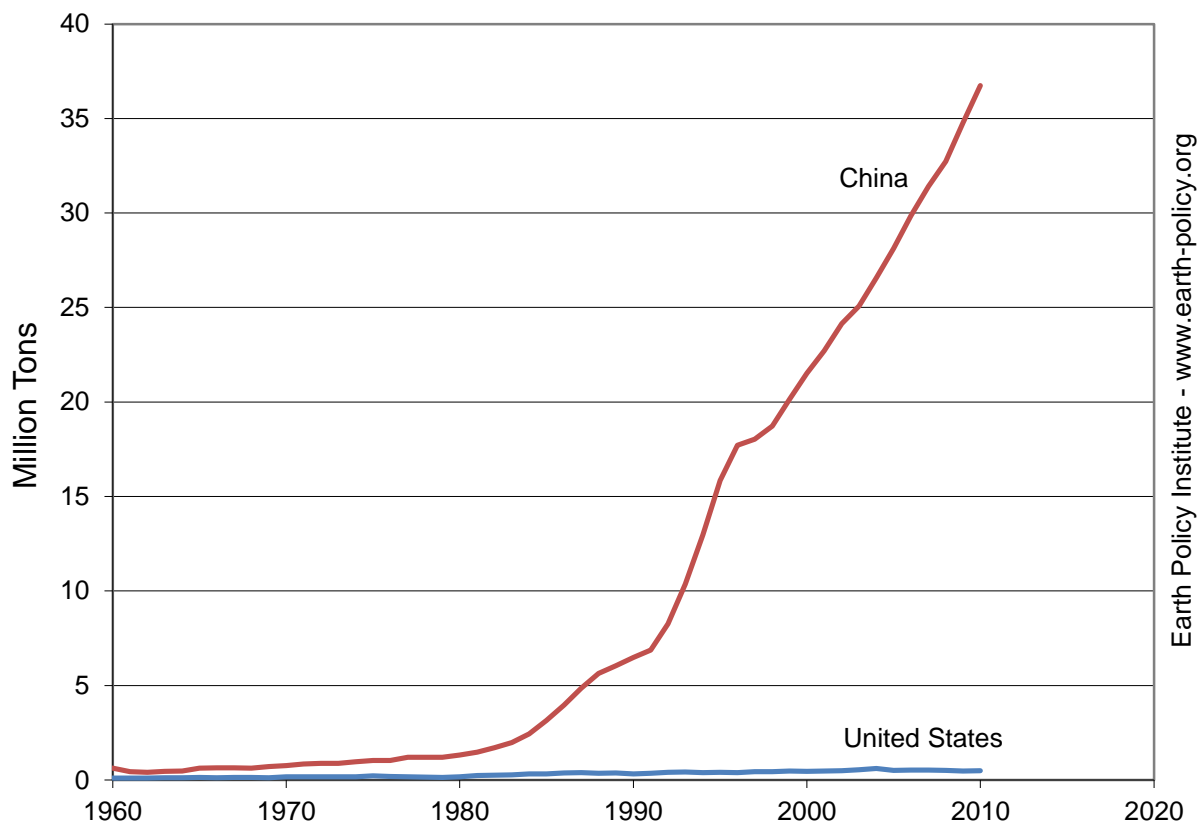
Year	China	United States	World
	Million Tons		
1950	0.1	0.1	0.5
1951	0.1	0.1	0.7
1952	0.2	0.1	0.8
1953	0.3	0.1	0.9
1954	0.4	0.1	1.0
1955	0.4	0.1	1.2
1956	0.4	0.1	1.2
1957	0.7	0.1	1.5
1958	0.6	0.1	1.5
1959	0.7	0.1	1.6
1960	0.6	0.1	1.6
1961	0.4	0.1	1.5
1962	0.4	0.1	1.5
1963	0.5	0.1	1.7
1964	0.5	0.1	1.8
1965	0.6	0.1	2.0
1966	0.6	0.1	2.0
1967	0.6	0.1	2.1
1968	0.6	0.1	2.2
1969	0.7	0.1	2.3
1970	0.8	0.2	2.5
1971	0.9	0.2	2.7
1972	0.9	0.2	2.9
1973	0.9	0.2	3.0
1974	1.0	0.2	3.2
1975	1.0	0.2	3.5
1976	1.0	0.2	3.6
1977	1.2	0.2	4.0
1978	1.2	0.2	4.1
1979	1.2	0.1	4.2
1980	1.3	0.2	4.5
1981	1.5	0.2	5.1
1982	1.7	0.3	5.5
1983	2.0	0.3	6.0
1984	2.4	0.3	6.7
1985	3.2	0.3	7.7
1986	4.0	0.4	8.8
1987	4.9	0.4	10.2
1988	5.6	0.4	11.7
1989	6.0	0.4	12.3
1990	6.5	0.3	13.1
1991	6.9	0.4	13.7
1992	8.3	0.4	15.4
1993	10.4	0.4	17.8
1994	13.0	0.4	20.8
1995	15.9	0.4	24.4
1996	17.7	0.4	26.6
1997	18.0	0.4	27.3
1998	18.7	0.4	28.4
1999	20.1	0.5	30.7
2000	21.5	0.5	32.4
2001	22.7	0.5	34.6
2002	24.1	0.5	36.8
2003	25.1	0.5	38.9
2004	26.6	0.6	41.9
2005	28.1	0.5	44.3
2006	29.9	0.5	47.3
2007	31.4	0.5	49.9
2008	32.7	0.5	52.9
2009	34.8	0.5	55.7
2010	36.7	0.5	59.9

Source: Compiled by Earth Policy Institute from U.N. Food and Agriculture Organization, *Global Aquaculture Production*, electronic database, at [www.fao.org/fishery/topic/16140/en](http://www.fao.org/fishery/topic/16140/en), updated March 2012.

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## Farmed Fish Production in China and the United States, 1950-2010



Source: FAO