

	CP	IPI	GCP	GCC	WTI	GGP	CGDP
	USD/TON		THOUSANDS OF TONS	THOUSANDS OF TONS	USD /BARREL	USD/TON	Hundreds of millions USD
###	1560.29	92.9562	14970.00	14900.00	26.17	309.68	14705.5
###	1779.36	94.1106	15077.00	15230.00	31.01	363.32	16602.88
###	2863.47	96.5956	16281.00	16800.00	41.25	409.17	19553.47
###	3676.49	99.7726	16620.00	16580.00	56.44	444.45	22859.66
###	6731.35	102.0150	16721.00	16950.00	66.00	603.77	27521.32
###	7131.63	104.5810	17057.00	17910.00	72.26	695.39	35521.83
###	6963.48	100.9013	17127.00	17730.00	99.06	871.96	45982.05
###	5165.30	89.2696	17539.00	17010.00	61.73	972.35	51099.54
###	7538.37	94.2238	17676.00	19127.00	79.39	1224.52	61006.20
###	8823.45	97.1387	17962.00	19736.00	94.88	1571.52	75725.54
###	7958.92	100.0000	18421.00	19799.00	94.05	1668.98	85605.47
###	7331.49	101.9753	20141.00	20640.00	97.98	1411.23	96072.24
###	6863.40	105.1294	20380.00	21450.00	93.25	1266.40	104823.71
###	5510.46	104.3840	21090.00	21849.00	48.66	1160.06	110646.65
###	4867.90	103.1058	22286.00	22260.00	43.15	1250.80	111991.45

AIM: whether following factors effect Copper price?

CP: Copper price

IPI: Industrial Production Index

GCP: Global Copper mine production

GCC: Global Copper Consumption

WTI: Crude Oil Prices

GGP: Global GOLD PRICE

CGDP: China GDP

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Help: <https://fred.stlouisfed.org/help-faq>  
Economic Research Division  
Federal Reserve Bank of St. Louis

PCOPPUSDM Global price of Copper, U.S. Dollars per Metric Ton, Monthly, Not Sea

Frequency: Monthly

observation_date	PCOPPUSDM
1980-01-01	2592.63342275848
1980-02-01	2916.71199088135
1980-03-01	2303.82790000000
1980-04-01	2074.54755455933
1980-05-01	2076.75230911865
1980-06-01	2006.20420000000
1980-07-01	2175.96020911865
1980-08-01	2081.16114544067
1980-09-01	2059.11494544067
1980-10-01	2045.88709088135
1980-11-01	2010.61370911865
1980-12-01	1878.33650911865
1981-01-01	1876.13175455933
1981-02-01	1803.37889088135
1981-03-01	1816.60674544067
1981-04-01	1823.22100911865
1981-05-01	1746.05930911865
1981-06-01	1699.76215455933
1981-07-01	1682.12479088135
1981-08-01	1787.94695455933
1981-09-01	1706.37574544067
1981-10-01	1664.48810000000
1981-11-01	1651.26024544067
1981-12-01	1655.66975455933
1982-01-01	1613.78210911865
1982-02-01	1596.14474544067
1982-03-01	1512.36945455933
1982-04-01	1521.18780000000
1982-05-01	1530.00614544067
1982-06-01	1309.54431363983
1982-07-01	1439.61659088135
1982-08-01	1450.63969088135
1982-09-01	1424.18465455933
1982-10-01	1463.86754544067
1982-11-01	1444.02610000000
1982-12-01	1474.89064544067
1983-01-01	1574.09854544067
1983-02-01	1649.05549088135
1983-03-01	1598.34950000000
1983-04-01	1675.51120000000
1983-05-01	1765.90075455933
1983-06-01	1701.96690911865
1983-07-01	1704.17099088135
1983-08-01	1640.23714544067
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1983-11-01	1388.91060000000
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1984-07-01	1331.59051363983
1984-08-01	1338.20435681992
1984-09-01	1294.11195681992
1984-10-01	1272.06575681992
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1984-12-01	1320.56741363983
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1985-04-01	1501.34635455933
1985-05-01	1530.00614544067
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1985-07-01	1474.89064544067
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1986-01-01	1417.57039088135
1986-02-01	1404.34295681992
1986-03-01	1444.02610000000
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1986-07-01	1344.81820000000
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1986-09-01	1309.54431363983
1986-10-01	1316.15815681992
1986-11-01	1302.93038636017
1986-12-01	1331.59051363983
1987-01-01	1344.81820000000
1987-02-01	1380.09208636017
1987-03-01	1463.86754544067
1987-04-01	1483.70899088135
1987-05-01	1518.98304544067
1987-06-01	1571.89379088135
1987-07-01	1693.14789088135
1987-08-01	1754.87765455933
1987-09-01	1809.99315455933
1987-10-01	1966.52130911865
1987-11-01	2519.88039088135
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1988-01-01	2660.97660911865
1988-02-01	2328.07902275848
1988-03-01	2358.94340000000
1988-04-01	2283.98662275848
1988-05-01	2442.71869088135
1988-06-01	2539.72250911865
1988-07-01	2213.43817724152

1988-08-01	2200.21049088135
1988-09-01	2433.90017724152
1988-10-01	2936.55410911865
1988-11-01	3302.52049088135
1988-12-01	3496.52745455933
1989-01-01	3392.91004544067
1989-02-01	3095.28634544067
1989-03-01	3262.83760000000
1989-04-01	3117.33254544067
1989-05-01	2738.13830911865
1989-06-01	2544.13117724152
1989-07-01	2503.78709547119
1989-08-01	2760.18450911865
1989-09-01	2883.64269088135
1989-10-01	2859.39240911865
1989-11-01	2590.42850000000
1989-12-01	2418.46840911865
1990-01-01	2365.55699088135
1990-02-01	2358.94340000000
1990-03-01	2625.70272275848
1990-04-01	2685.22689088135
1990-05-01	2740.34239088135
1990-06-01	2583.81490911865
1990-07-01	2769.00302275848
1990-08-01	2956.39555455933
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1991-02-01	2447.12820000000
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1991-07-01	2231.25534581909
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1991-09-01	2318.58300291138
1991-10-01	2360.64557547607
1991-11-01	2375.66037788696
1991-12-01	2205.91849749756
1992-01-01	2150.57962901611
1992-02-01	2208.89225860596
1992-03-01	2231.78550956421
1992-04-01	2214.16681599274
1992-05-01	2219.31505581207
1992-06-01	2296.44193858643
1992-07-01	2527.28502240143
1992-08-01	2513.46998458252
1992-09-01	2419.61418178101
1992-10-01	2262.45696237183
1992-11-01	2161.78909368286
1992-12-01	2211.95028749237
1993-01-01	2264.21397077332
1993-02-01	2212.18139313507
1993-03-01	2152.38020099945
1993-04-01	1953.62060192108

1993-05-01	1799.35169844818
1993-06-01	1857.87070840454
1993-07-01	1927.33981992645
1993-08-01	1951.07137548676
1993-09-01	1858.24999750519
1993-10-01	1646.99992897491
1993-11-01	1632.56810484467
1993-12-01	1723.62507366180
1994-01-01	1807.07136699066
1994-02-01	1865.07501472778
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1994-05-01	2144.50007046051
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1994-07-01	2447.23803404999
1994-08-01	2409.74997397766
1994-09-01	2504.84103139343
1994-10-01	2546.02375416412
1994-11-01	2803.54541098175
1994-12-01	2980.69999645081
1995-01-01	3003.26189506836
1995-02-01	2870.45015814514
1995-03-01	2919.67397804871
1995-04-01	2894.88882296448
1995-05-01	2771.57125569763
1995-06-01	2987.68194348755
1995-07-01	3076.45005816650
1995-08-01	3040.13619641418
1995-09-01	2910.42504276428
1995-10-01	2810.06817431793
1995-11-01	2981.61903664856
1995-12-01	2918.21064537659
1996-01-01	2604.99992943115
1996-02-01	2544.66672335968
1996-03-01	2563.34994940033
1996-04-01	2594.17496803894
1996-05-01	2658.76193080902
1996-06-01	2177.59998270721
1996-07-01	1983.93479971771
1996-08-01	2017.85720584564
1996-09-01	1935.07143060913
1996-10-01	1960.19567519531
1996-11-01	2215.42864607391
1996-12-01	2264.59527826385
1997-01-01	2427.27279402924
1997-02-01	2406.63156159363
1997-03-01	2420.18420872650
1997-04-01	2389.31814949341
1997-05-01	2513.29993523407
1997-06-01	2611.28570015411
1997-07-01	2449.19570404663
1997-08-01	2250.10004305115
1997-09-01	2104.30955452118
1997-10-01	2050.69556840210
1997-11-01	1918.49994499359
1997-12-01	1761.45239143524
1998-01-01	1687.60000986328

1998-02-01	1663.99998604431
1998-03-01	1747.15916341095
1998-04-01	1800.12507817535
1998-05-01	1731.65792903595
1998-06-01	1656.59518632507
1998-07-01	1655.66672697449
1998-08-01	1619.92507875671
1998-09-01	1646.77269191284
1998-10-01	1585.49992534637
1998-11-01	1573.72497511139
1998-12-01	1475.76309447174
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1999-02-01	1412.95000000000
1999-03-01	1378.47727272727
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1999-05-01	1510.44736842105
1999-06-01	1422.15909090909
1999-07-01	1639.18181818182
1999-08-01	1646.73809523810
1999-09-01	1749.68181818182
1999-10-01	1723.28571428571
1999-11-01	1726.77272727273
1999-12-01	1764.88235294118
2000-01-01	1843.85000000000
2000-02-01	1807.02500000000
2000-03-01	1739.80000000000
2000-04-01	1681.90750000000
2000-05-01	1785.09782608696
2000-06-01	1752.07272727273
2000-07-01	1803.14285714286
2000-08-01	1857.12391304348
2000-09-01	1961.89285714286
2000-10-01	1894.37272727273
2000-11-01	1795.60227272727
2000-12-01	1852.40000000000
2001-01-01	1787.05681818182
2001-02-01	1766.12500000000
2001-03-01	1742.15909090909
2001-04-01	1665.97222222222
2001-05-01	1684.85000000000
2001-06-01	1610.46904761905
2001-07-01	1526.77045454545
2001-08-01	1466.41136363636
2001-09-01	1427.69736842105
2001-10-01	1377.37608695652
2001-11-01	1434.29318181818
2001-12-01	1472.84705882353
2002-01-01	1508.22727272727
2002-02-01	1561.36750000000
2002-03-01	1607.39250000000
2002-04-01	1588.57142857143
2002-05-01	1597.02272727273
2002-06-01	1650.59444444444
2002-07-01	1588.28478260870
2002-08-01	1482.91666666667
2002-09-01	1478.93333333333

2002-10-01	1486.17173913043
2002-11-01	1581.03571428571
2002-12-01	1592.96428571429
	<b>1560.29</b>
2003-01-01	1650.31136363636
2003-02-01	1682.14500000000
2003-03-01	1655.69285714286
2003-04-01	1587.86750000000
2003-05-01	1651.10000000000
2003-06-01	1685.10714285714
2003-07-01	1712.82608695652
2003-08-01	1756.72500000000
2003-09-01	1789.67045454545
2003-10-01	1925.58260869565
2003-11-01	2053.27500000000
2003-12-01	2202.03571428571
	<b>1779.36</b>
2004-01-01	2421.47619047619
2004-02-01	2751.71750000000
2004-03-01	3000.28260869565
2004-04-01	2926.97500000000
2004-05-01	2728.46315789474
2004-06-01	2689.05454545455
2004-07-01	2816.80000000000
2004-08-01	2844.20476190476
2004-09-01	2903.17272727273
2004-10-01	3009.40476190476
2004-11-01	3130.30909090909
2004-12-01	3139.78571428571
	<b>2863.47</b>
2005-01-01	3168.10000000000
2005-02-01	3247.10000000000
2005-03-01	3378.90476190476
2005-04-01	3389.80952380952
2005-05-01	3241.90000000000
2005-06-01	3529.72727272727
2005-07-01	3608.47619047619
2005-08-01	3791.90909090909
2005-09-01	3850.65909090909
2005-10-01	4056.16666666667
2005-11-01	4278.15909090909
2005-12-01	4577.02500000000
	<b>3676.49</b>
2006-01-01	4743.86190476190
2006-02-01	4974.97500000000
2006-03-01	5123.67391304348
2006-04-01	6404.44444444444
2006-05-01	8059.19047619048
2006-06-01	7222.77272727273
2006-07-01	7726.73809523810
2006-08-01	7690.25000000000
2006-09-01	7622.64285714286
2006-10-01	7497.40909090909
2006-11-01	7029.29545454546
2006-12-01	6680.97368421053
	<b>6731.35</b>
observation_date	PCOPPUSDM

2007-01-01	5689.34090909091
2007-02-01	5718.15000000000
2007-03-01	6465.29545454545
2007-04-01	7753.34210526316
2007-05-01	7677.95238095238
2007-06-01	7514.23809523810
2007-07-01	7980.93181818182
2007-08-01	7500.20454545455
2007-09-01	7671.35000000000
2007-10-01	8020.58695652174
2007-11-01	6957.43181818182
2007-12-01	6630.73611111111

**7131.63**

2008-01-01	7078.90909090909
2008-02-01	7941.14285714286
2008-03-01	8434.31578947368
2008-04-01	8714.18181818182
2008-05-01	8356.12500000000
2008-06-01	8292.00000000000
2008-07-01	8407.02173913043
2008-08-01	7633.80000000000
2008-09-01	6975.11363636364
2008-10-01	4894.89130434783
2008-11-01	3729.18750000000
2008-12-01	3105.09523809524

**6963.48**

2009-01-01	3260.35714285714
2009-02-01	3328.41250000000
2009-03-01	3770.87500000000
2009-04-01	4436.92500000000
2009-05-01	4594.90277777778
2009-06-01	5013.29761904762
2009-07-01	5240.82954545455
2009-08-01	6176.87500000000
2009-09-01	6195.75000000000
2009-10-01	6305.98863636364
2009-11-01	6682.44047619048
2009-12-01	6976.97619047619

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2010-01-01	7367.39500000000
2010-02-01	6867.69000000000
2010-03-01	7466.96086956522
2010-04-01	7729.85500000000
2010-05-01	6843.18421052632
2010-06-01	6501.50000000000
2010-07-01	6750.56818181818
2010-08-01	7302.66666666667
2010-09-01	7729.59090909091
2010-10-01	8289.76190476190
2010-11-01	8458.42045454545
2010-12-01	9152.85714285714

**7538.37**

2011-01-01	9533.20000000000
2011-02-01	9880.93750000000
2011-03-01	9503.35869565217
2011-04-01	9482.75000000000



2011-05-01	8931.67500000000
2011-06-01	9066.85227272727
2011-07-01	9650.46428571429
2011-08-01	8997.98863636364
2011-09-01	8300.13636363636
2011-10-01	7394.19047619048
2011-11-01	7581.02272727273
2011-12-01	7558.87500000000

**8823.45**

2012-01-01	8061.91666666667
2012-02-01	8441.48809523810
2012-03-01	8470.78409090909
2012-04-01	8285.52631578947
2012-05-01	7896.90909090909
2012-06-01	7428.28947368421
2012-07-01	7584.26136363636
2012-08-01	7510.43181818182
2012-09-01	8087.74250000000
2012-10-01	8062.03260869565
2012-11-01	7711.22727272727
2012-12-01	7966.48684210526

**7958.92**

2013-01-01	8053.73863636364
2013-02-01	8060.92500000000
2013-03-01	7652.37500000000
2013-04-01	7221.16190476190
2013-05-01	7248.71428571429
2013-06-01	7000.23750000000
2013-07-01	6906.64130434783
2013-08-01	7186.25000000000
2013-09-01	7159.26904761905
2013-10-01	7203.02173913044
2013-11-01	7070.65476190476
2013-12-01	7214.90000000000

**7331.49**

2014-01-01	7291.46590909091
2014-02-01	7149.21250000000
2014-03-01	6650.03571428571
2014-04-01	6673.56250000000
2014-05-01	6891.12500000000
2014-06-01	6821.14285714286
2014-07-01	7113.38043478261
2014-08-01	7001.83750000000
2014-09-01	6872.21590909091
2014-10-01	6737.47826086957
2014-11-01	6712.85000000000
2014-12-01	6446.45238095238

**6863.40**

2015-01-01	5830.53571428571
2015-02-01	5729.27500000000
2015-03-01	5939.67045454546
2015-04-01	6042.08750000000
2015-05-01	6294.77631578947
2015-06-01	5833.01136363636
2015-07-01	5456.75000000000
2015-08-01	5127.30000000000
2015-09-01	5217.25000000000

2015-10-01	5216.09090909091
2015-11-01	4799.90476190476
2015-12-01	4638.83333333333
	<b>5510.46</b>
2016-01-01	4471.78750000000
2016-02-01	4598.61904761905
2016-03-01	4953.79761904762
2016-04-01	4872.73809523810
2016-05-01	4694.53750000000
2016-06-01	4641.96590909091
2016-07-01	4864.90476190476
2016-08-01	4751.67045454546
2016-09-01	4722.20454545455
2016-10-01	4731.26190476190
2016-11-01	5450.93181818182
2016-12-01	5660.35000000000
	<b>4867.90</b>

isionally Adjusted

FRED Graph Observations  
Federal Reserve Economic Data  
Link: <https://fred.stlouisfed.org>  
Help: <https://fred.stlouisfed.org/help-faq>  
Economic Research Division  
Federal Reserve Bank of St. Louis

INDPRO Industrial Production Index, Index 2012=100, Monthly, Seasonally Adj

Frequency: Monthly

observation_date	INDPRO
1996-01-01	74.9823
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1996-03-01	76.0724
1996-04-01	76.7608
1996-05-01	77.3269
1996-06-01	77.9694
1996-07-01	77.8351
1996-08-01	78.3005
1996-09-01	78.8378
1996-10-01	78.7843
1996-11-01	79.4683
1996-12-01	79.9829
1997-01-01	80.0837
1997-02-01	81.0483
1997-03-01	81.6195
1997-04-01	81.6408
1997-05-01	82.1311
1997-06-01	82.5332
1997-07-01	83.1538
1997-08-01	84.0293
1997-09-01	84.7873
1997-10-01	85.5125
1997-11-01	86.2601
1997-12-01	86.5262
1998-01-01	86.9662
1998-02-01	87.0687
1998-03-01	87.1414
1998-04-01	87.4497
1998-05-01	88.0124
1998-06-01	87.4571
1998-07-01	87.1484
1998-08-01	88.9360
1998-09-01	88.7780
1998-10-01	89.4857
1998-11-01	89.4358
1998-12-01	89.7761
1999-01-01	90.1893
1999-02-01	90.6683
1999-03-01	90.8310
1999-04-01	91.0632
1999-05-01	91.7311
1999-06-01	91.5818
1999-07-01	92.1587
1999-08-01	92.5363
1999-09-01	92.1699
1999-10-01	93.3786

1999-11-01	93.8240
1999-12-01	94.5441
2000-01-01	94.5458
2000-02-01	94.8185
2000-03-01	95.1983
2000-04-01	95.8921
2000-05-01	96.0691
2000-06-01	96.1568
2000-07-01	96.0239
2000-08-01	95.7182
2000-09-01	96.1105
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2000-12-01	95.5791
2001-01-01	94.9499
2001-02-01	94.3690
2001-03-01	94.1259
2001-04-01	93.9061
2001-05-01	93.2803
2001-06-01	92.7057
2001-07-01	92.1721
2001-08-01	92.0023
2001-09-01	91.6795
2001-10-01	91.2682
2001-11-01	90.7894
2001-12-01	90.8311
2002-01-01	91.3471
2002-02-01	91.3672
2002-03-01	92.1054
2002-04-01	92.4790
2002-05-01	92.8824
2002-06-01	93.7637
2002-07-01	93.5461
2002-08-01	93.5765
2002-09-01	93.7116
2002-10-01	93.4006
2002-11-01	93.8758
2002-12-01	93.4191
	<b>92.9562</b>
2003-01-01	93.9571
2003-02-01	94.2558
2003-03-01	94.0416
2003-04-01	93.3666
2003-05-01	93.3852
2003-06-01	93.5219
2003-07-01	93.9144
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2003-09-01	94.3262
2003-10-01	94.4442
2003-11-01	95.2224
2003-12-01	95.1545
	<b>94.1106</b>
2004-01-01	95.3434
2004-02-01	95.9228
2004-03-01	95.4538
2004-04-01	95.8653

2004-05-01	96.6472	
2004-06-01	95.8588	
2004-07-01	96.5901	
2004-08-01	96.6687	
2004-09-01	96.7450	
2004-10-01	97.6604	
2004-11-01	97.8427	
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	<b>96.5956</b>	
2005-01-01	99.0020	
2005-02-01	99.6741	
2005-03-01	99.5181	
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2005-06-01	100.2232	
2005-07-01	99.8997	
2005-08-01	100.1025	
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2005-11-01	100.5129	
2005-12-01	101.1118	
	<b>99.7726</b>	
2006-01-01	101.2313	
2006-02-01	101.2755	
2006-03-01	101.4651	
2006-04-01	101.9012	
2006-05-01	101.7589	
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2006-10-01	102.2299	
2006-11-01	102.1419	
2006-12-01	103.2191	
	<b>102.0150</b>	
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2007-02-01	103.7659	100.9012833
2007-03-01	103.9538	89.26961667
2007-04-01	104.7077	94.22379167
2007-05-01	104.7507	97.13866667
2007-06-01	104.7581	100
2007-07-01	104.7111	101.9752833
2007-08-01	104.9122	105.1294333
2007-09-01	105.2764	104.3839667
2007-10-01	104.7720	103.105775
2007-11-01	105.3295	
2007-12-01	105.3213	
	<b>104.5810</b>	
2008-01-01	105.0195	
2008-02-01	104.6741	
2008-03-01	104.4179	
2008-04-01	103.6403	
2008-05-01	103.1178	
2008-06-01	102.9484	
2008-07-01	102.4071	
2008-08-01	100.8875	
2008-09-01	96.5439	

2008-10-01	97.4562
2008-11-01	96.2593
2008-12-01	93.4434
	<b>100.9013</b>
2009-01-01	91.2317
2009-02-01	90.6389
2009-03-01	89.1913
2009-04-01	88.3876
2009-05-01	87.4424
2009-06-01	87.0650
2009-07-01	87.9810
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2009-09-01	89.6229
2009-10-01	89.9136
2009-11-01	90.2811
2009-12-01	90.5265
	<b>89.2696</b>
2010-01-01	91.5636
2010-02-01	91.8988
2010-03-01	92.5394
2010-04-01	92.9280
2010-05-01	94.3244
2010-06-01	94.5056
2010-07-01	94.9417
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2010-09-01	95.6063
2010-10-01	95.3785
2010-11-01	95.4163
2010-12-01	96.2444
	<b>94.2238</b>
2011-01-01	96.1454
2011-02-01	95.7235
2011-03-01	96.6445
2011-04-01	96.2727
2011-05-01	96.4871
2011-06-01	96.7150
2011-07-01	97.1317
2011-08-01	97.7027
2011-09-01	97.6288
2011-10-01	98.3224
2011-11-01	98.1979
2011-12-01	98.6923
	<b>97.1387</b>
2012-01-01	99.3264
2012-02-01	99.6217
2012-03-01	99.0674
2012-04-01	99.8626
2012-05-01	100.0384
2012-06-01	100.0677
2012-07-01	100.3040
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2012-09-01	99.9138
2012-10-01	100.2063
2012-11-01	100.7003
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2013-05-01	101.6916
2013-06-01	101.8730
2013-07-01	101.2970
2013-08-01	102.0772
2013-09-01	102.5705
2013-10-01	102.4728
2013-11-01	102.8086
2013-12-01	103.0979
	<b>101.9753</b>
2014-01-01	102.6063
2014-02-01	103.6292
2014-03-01	104.5546
2014-04-01	104.7807
2014-05-01	105.0799
2014-06-01	105.4698
2014-07-01	105.4919
2014-08-01	105.4250
2014-09-01	105.7329
2014-10-01	105.7898
2014-11-01	106.6134
2014-12-01	106.3797
	<b>105.1294</b>
2015-01-01	105.6148
2015-02-01	105.4321
2015-03-01	105.0745
2015-04-01	104.6624
2015-05-01	104.2843
2015-06-01	103.9927
2015-07-01	104.5150
2015-08-01	104.5091
2015-09-01	104.2038
2015-10-01	104.0045
2015-11-01	103.3965
2015-12-01	102.9179
	<b>104.3840</b>
2016-01-01	103.4822
2016-02-01	103.2685
2016-03-01	102.5263
2016-04-01	102.8697
2016-05-01	102.7552
2016-06-01	103.1249
2016-07-01	103.2173
2016-08-01	103.1459
2016-09-01	102.9898
2016-10-01	103.1742
2016-11-01	102.9478
2016-12-01	103.7675
	<b>103.1058</b>



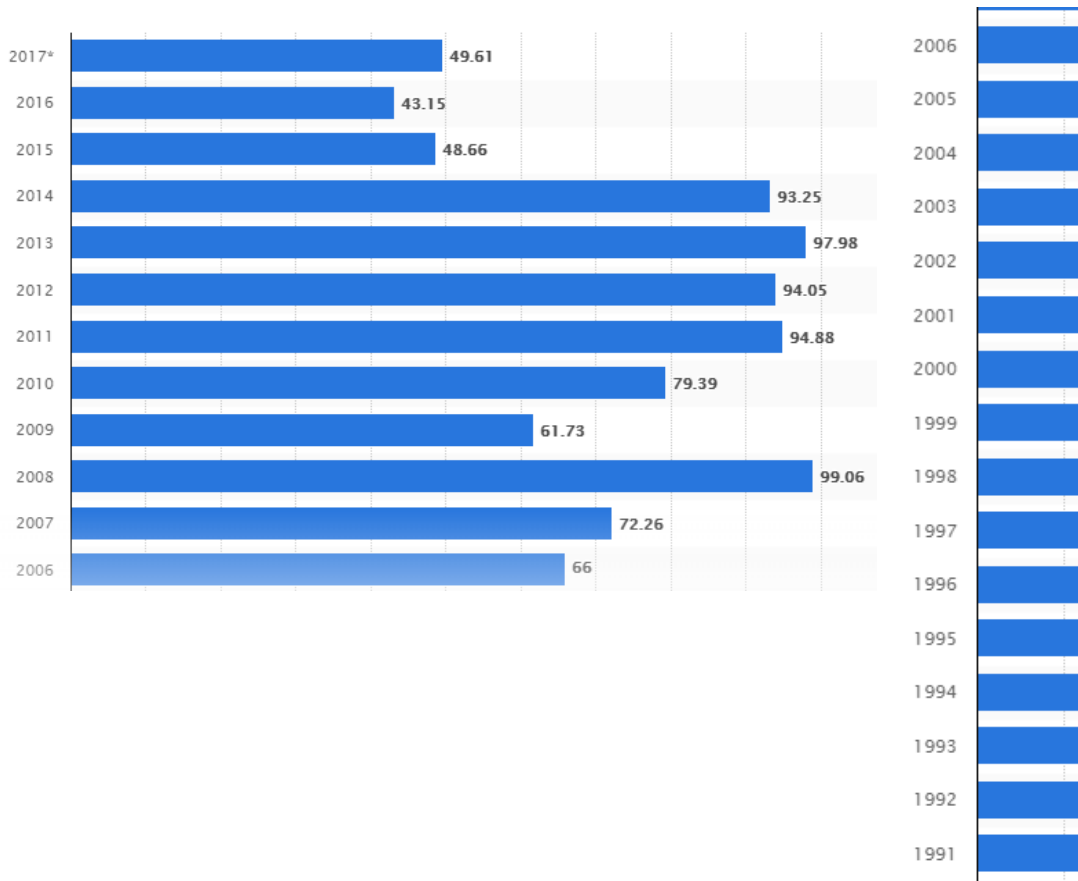
usted

## Copper content of world mine production<sup>1</sup>

Copper Content, thousands of short tons														
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
<b>Australasia</b>														
Australia.....	803	615	669	792	914	960	968	915	941	1,010	947	960	974	941
Papua New Guinea.....	205	123	167	207	224	225	233	216	191	213	214	187	176	184
<b>Total Australasia.....</b>	<b>808</b>	<b>738</b>	<b>836</b>	<b>999</b>	<b>1,138</b>	<b>1,185</b>	<b>1,201</b>	<b>1,131</b>	<b>1,133</b>	<b>1,223</b>	<b>1,161</b>	<b>1,147</b>	<b>1,150</b>	<b>1,125</b>
<b>Americas</b>														
Argentina.....	—	34	171	220	160	211	225	219	194	206	199	199	173	158
Brazil.....	48	43	42	32	34	33	34	30	109	144	158	227	243	228
Canada.....	759	727	777	684	699	698	665	615	620	656	665	657	669	540
Chile.....	3,435	3,739	4,064	4,840	5,073	5,224	5,049	5,406	5,966	5,865	5,909	6,125	5,873	5,941
Mexico.....	376	431	424	420	402	409	363	394	447	473	368	372	272	263
Peru.....	534	560	533	591	611	796	931	929	1,142	1,113	1,156	1,312	1,398	1,407
United States.....	2,116	2,138	2,051	1,763	1,598	1,477	1,256	1,230	1,275	1,257	1,319	1,288	1,444	1,302
<b>Total Americas.....</b>	<b>7,304</b>	<b>7,714</b>	<b>8,089</b>	<b>8,550</b>	<b>8,577</b>	<b>8,848</b>	<b>8,523</b>	<b>8,823</b>	<b>9,754</b>	<b>9,715</b>	<b>9,774</b>	<b>10,180</b>	<b>10,072</b>	<b>9,838</b>
<b>Europe</b>														
Bulgaria.....	96	95	93	107	103	107	105	103	104	104	122	121	116	116
Poland.....	466	457	481	511	501	522	554	546	585	564	548	498	473	484
Portugal.....	119	117	126	110	84	91	85	85	105	99	87	99	99	96
Scandinavia.....	98	112	92	89	99	95	95	108	108	112	110	84	78	76
Serbia.....	77	81	78	57	51	30	34	23	13	14	13	18	21	21
<b>Total Europe.....</b>	<b>856</b>	<b>862</b>	<b>870</b>	<b>873</b>	<b>838</b>	<b>845</b>	<b>873</b>	<b>865</b>	<b>916</b>	<b>893</b>	<b>880</b>	<b>821</b>	<b>786</b>	<b>793</b>
<b>Asia</b>														
Russian Federation.....	577	557	584	590	584	595	730	694	694	705	744	761	777	745
Armenia.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—
China.....	621	687	678	737	795	802	780	816	977	998	1,126	1,043	1,205	1,171
India.....	53	41	44	38	37	38	34	32	33	25	32	36	31	33
Indonesia.....	579	604	892	866	1,107	1,155	1,282	1,106	929	1,174	900	870	717	1,098
Iran.....	114	131	141	143	143	146	146	162	161	181	238	269	273	289
Kazakhstan <sup>(2)</sup> .....	276	349	373	412	474	518	522	535	509	443	479	448	465	448
Laos <sup>(3)</sup> .....	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mongolia <sup>(4)</sup> .....	—	—	—	—	—	—	—	—	—	—	—	146	143	142
Philippines.....	68	54	50	41	35	26	21	22	18	18	19	24	24	52
Turkey.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<b>Total Asia.....</b>	<b>2,288</b>	<b>2,423</b>	<b>2,762</b>	<b>2,827</b>	<b>3,175</b>	<b>3,280</b>	<b>3,515</b>	<b>3,367</b>	<b>3,322</b>	<b>3,544</b>	<b>3,538</b>	<b>3,598</b>	<b>3,634</b>	<b>3,976</b>
<b>Africa</b>														
Congo.....	55	44	39	34	36	42	42	70	82	111	141	157	236	332
Namibia.....	20	20	7	—	6	17	20	18	15	12	7	11	10	—
South Africa.....	208	205	207	177	179	123	100	99	96	98	99	107	120	119
Zambia.....	400	383	347	309	275	349	376	384	443	477	523	561	612	614
<b>Total Africa.....</b>	<b>683</b>	<b>652</b>	<b>600</b>	<b>520</b>	<b>496</b>	<b>531</b>	<b>538</b>	<b>571</b>	<b>636</b>	<b>697</b>	<b>769</b>	<b>836</b>	<b>977</b>	<b>1,065</b>
Other <sup>(5)</sup> .....	335	348	339	333	339	331	320	320	520	548	600	476	509	741
<b>TOTAL WORLD.....</b>	<b>12,274</b>	<b>12,737</b>	<b>13,497</b>	<b>14,103</b>	<b>14,563</b>	<b>15,020</b>	<b>14,970</b>	<b>15,077</b>	<b>16,281</b>	<b>16,620</b>	<b>16,721</b>	<b>17,057</b>	<b>17,127</b>	<b>17,539</b>

Sources: International Copper Study Group

2010	2011	2012	2013	2014	2015	2016p
959	1,058	1,015	1,100	1,070	1,062 r	1,045
176	144	138	116	84	53	88
1,136	1,202	1,153	1,217	1,153	1,116 r	1,133
155	129	150	121	113	68	90
236	238	244	299	324	382	369
579	624	638	697	767	769	780
5,973	5,801	5,990	6,367	6,338	6,363 r	6,121
298	485	551	531	568	655 r	829
1,375	1,362	1,431	1,516	1,521	1,875	2,595
1,224	1,227	1,290	1,376	1,488	1,551 r	1,575
9,839	9,866	10,294	10,907	11,118	11,662 r	12,360
116	126	119	121	121	121	121
469	470	471	473	464	469 r	468
82	88	81	84	83	90	84
101	107	119	134	135	129	139
0	—	—	—	—	—	—
767	791	790	812	803	810	813
775	799	794	799	816	769 r	755
—	—	—	—	56	91	112
1,300	1,402	1,642	1,891	1,963	1,881 r	2,090
36	40	33	43	32	33 r	34
962	599	439	561	418	638 r	802
283	334	271	246	239	272 r	319
419	479	460	493	484	489	536
—	—	—	171	176	185	185
139	137	137	219	295	366	378
65	70	72	102	99	93	90
—	—	—	—	134	119 r	116
3,979	3,859	3,848	4,525	4,711	4,937	5,415
401	529	619	925	1,008	1,002 r	952
—	4	6	5	6	15	18
113	127	89	84	87	85 r	72
756	864	766	838	776	791 r	841
1,270	1,524	1,480	1,852	1,877	1,893 r	1,883
686	720	856	828	716	673 r	682
<b>17,676</b>	<b>17,962</b>	<b>18,421</b>	<b>20,141</b>	<b>20,380</b>	<b>21,090 r</b>	<b>22,286</b>



FRED Graph Observations  
 Federal Reserve Economic Data  
 Link: <https://fred.stlouisfed.org>  
 Help: <https://fred.stlouisfed.org/help-faq>  
 Economic Research Division  
 Federal Reserve Bank of St. Louis

DCOILWTICO      Crude Oil Prices: West Texas Intermediate (WTI) - Cushing, Oklahoma

Frequency: Daily

observation_date	DCOILWTICO
37258	21.13
37259	20.65
37260	21.47
37263	21.42
37264	20.82
37265	20.32
37266	20.48
37267	19.67
37270	18.88
37271	18.99
37272	18.96
37273	18.2
37274	18.02
37278	18.36
37279	19.1
37280	19.57
37281	19.8

37284	20.05
37285	19.3
37286	19.11
37287	19.71
37288	20.4
37291	20.02
37292	20.06
37293	19.77
37294	19.75
37295	20.25
37298	21.29
37299	20.76
37300	21.19
37301	21.19
37302	21.47
37306	20.77
37307	20.31
37308	20.81
37309	20.92
37312	20.24
37313	21.37
37314	21.4
37315	21.78
37316	22.37
37319	22.55
37320	23.18
37321	23.32
37322	23.62
37323	23.87
37326	24.36
37327	24.55
37328	24.14
37329	24.48
37330	24.47
37333	25.03
37334	25.02
37335	24.92
37336	25.74
37337	25.56
37340	25.69
37341	25.75
37342	25.79
37343	26.21
37347	26.82
37348	27.75
37349	27.55
37350	26.64
37351	26.21
37354	26.16
37355	25.45
37356	26.15
37357	24.93
37358	23.51
37361	24.53
37362	24.92
37363	25.94
37364	25.86

37365	26.43
37368	26.28
37369	26.28
37370	26.28
37371	26.36
37372	27.12
37375	27.45
37376	27.32
37377	26.58
37378	26.31
37379	26.75
37382	26.11
37383	26.79
37384	27.76
37385	27.78
37386	27.92
37389	28.62
37390	29.17
37391	28.17
37392	28
37393	28.19
37396	28.24
37397	27.35
37398	27.01
37399	26.6
37400	26.69
37404	25.08
37405	25.64
37406	24.78
37407	25.37
37410	25.1
37411	25.32
37412	25.02
37413	24.89
37414	24.72
37417	24.24
37418	24.21
37419	24.79
37420	25.54
37421	25.9
37424	25.98
37425	25.36
37426	25.57
37427	25.62
37428	25.51
37431	26.31
37432	26.06
37433	26.67
37434	26.77
37435	26.79
37438	26.79
37439	26.83
37440	26.82
37445	26.14
37446	26.16
37447	26.73
37448	27.01

37449	27.48
37452	27.23
37453	27.68
37454	27.88
37455	27.5
37456	27.83
37459	26.61
37460	26.61
37461	26.78
37462	26.67
37463	26.55
37466	26.54
37467	27.43
37468	27.02
37469	26.51
37470	26.87
37473	26.55
37474	27.18
37475	26.58
37476	26.67
37477	26.87
37480	27.84
37481	28.35
37482	28.19
37483	28.99
37484	29.24
37487	29.86
37488	30.12
37489	30.37
37490	30.11
37491	29.99
37494	29.23
37495	28.84
37496	28.31
37497	28.83
37498	28.97
37502	27.76
37503	28.28
37504	29.06
37505	29.51
37508	29.8
37509	29.62
37510	29.77
37511	28.95
37512	29.83
37515	29.14
37516	29.08
37517	29.57
37518	29.49
37519	29.65
37522	30.85
37523	30.79
37524	30.69
37525	30.31
37526	30.53
37529	30.59
37530	30.71

37531	30.59
37532	29.73
37533	29.65
37536	29.65
37537	29.56
37538	29.31
37539	28.96
37540	29.36
37543	30.06
37544	29.73
37545	29.28
37546	29.61
37547	29.56
37550	28.31
37551	27.93
37552	28.19
37553	27.87
37554	27.09
37557	27.25
37558	26.81
37559	26.85
37560	27.18
37561	27.04
37564	26.89
37565	26.06
37566	25.72
37567	25.36
37568	25.83
37571	26.02
37572	26.19
37573	25.28
37574	25.4
37575	25.5
37578	26.71
37579	26.41
37580	27
37581	27.07
37582	27.73
37585	27.01
37586	26.6
37587	26.87
37592	27.27
37593	27.34
37594	26.8
37595	27.27
37596	27.03
37599	27.29
37600	27.73
37601	27.49
37602	28.2
37603	28.39
37606	30.15
37607	30.04
37608	30.41
37609	30.57
37610	30.57
37613	32.09



37614	32.13
37616	32.61
37617	32.68
37620	31.41
37621	31.21
	26.18496
37623	31.97
37624	33.26
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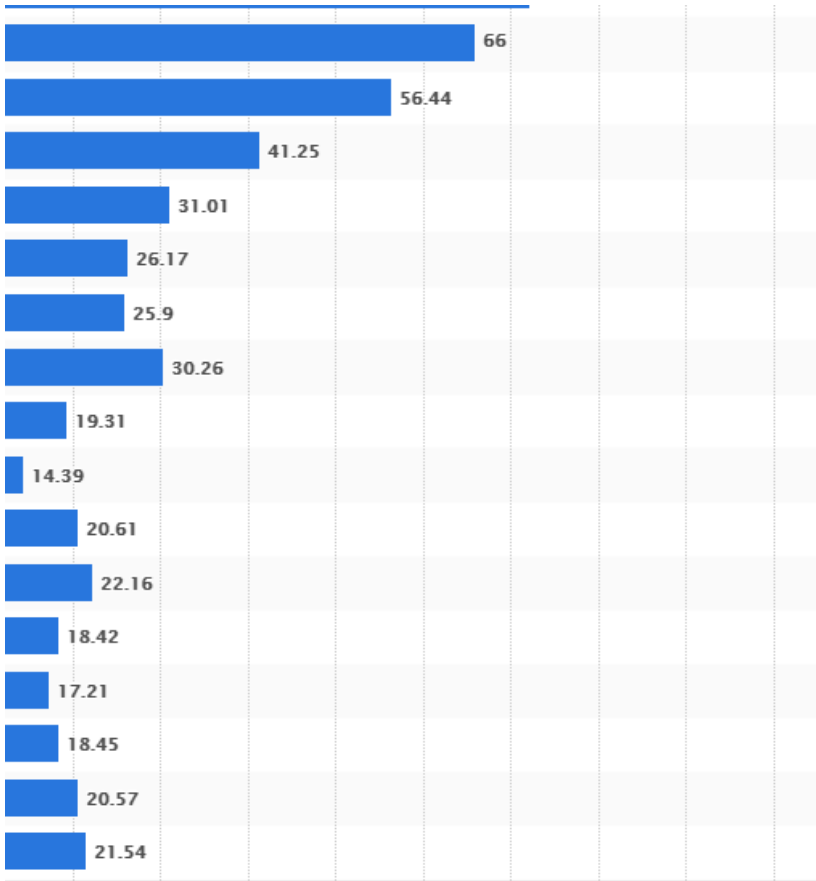


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42990	48.21
42991	49.3
42992	49.86
42993	49.9
42996	49.88
42997	49.54
42998	50.29
42999	50.58
43000	50.33
43003	51.85

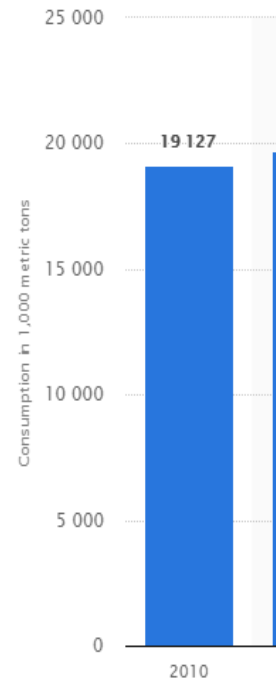
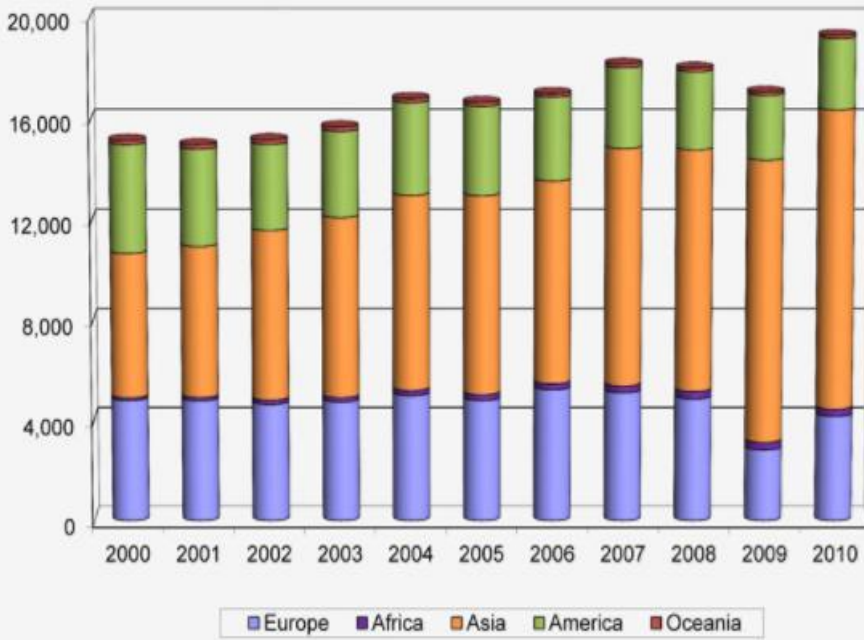
43004		51.59
43005		52.14
43006		51.62
43007		51.67
43010		50.59
43011		50.44
43012		50
43013		50.79
43014		49.34
43017		49.58
43018		50.93
43019		51.3
43020		50.61
43021		51.43
43024		51.86
43025		51.87
43026		52.05
43027		51.29
43028		51.63
43031		51.91
43032		52.32
43033		51.97
43034		52.41
43035		53.92
43038		54.11
43039		54.36
43040		54.32
43041		54.55
43042		55.63
43045		57.34
43046		57.19
43047		56.82
43048		57.16
43049		56.75
43052		56.77
43053		55.67
43054		55.28
43055		55.14
43056		56.21
43059		56.21
43060		56.84
43061		57.88
43062	#N/A	
43063		58.94

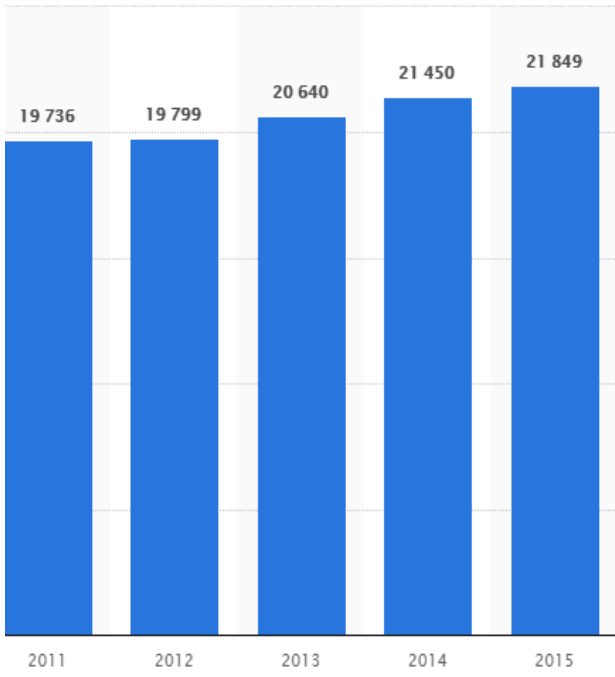


na, Dollars per Barrel, Daily, Not Seasonally Adjusted

# Global Copper Consumption

Tonnes (000)





Last updated 27/11/2017

## Gold price - Key Currencies

## Gold price - M

National Currency Unit per troy ounce

USD EUR JPY GBP CAD CHF

National Currency Unit

INR CNY

Name	US dollar	Euro	Japanese yen	Pound sterling	Canada n dollar	Swiss franc	Indian rupee	Chinese renmimbi
1978	193.4	124.7	#N/A	100.7	#N/A	#N/A	#N/A	#N/A
1979	304.7	185.1	67,944.1	143.1	358.7	507.3	2,481.9	#N/A
1980	614.5	378.2	138,760.1	263.8	717.9	1,027.5	4,831.7	#N/A
1981	459.3	360.9	100,895.8	227.0	550.1	901.0	3,966.6	#N/A
1982	375.3	345.6	93,780.8	215.5	462.4	765.1	3,553.6	#N/A
1983	423.7	439.9	100,676.3	279.2	521.8	889.0	4,270.4	#N/A
1984	360.8	425.9	85,515.0	269.8	466.4	844.6	4,067.6	#N/A
1985	317.3	394.1	75,698.6	246.3	432.3	779.1	3,887.4	926.6
1986	367.9	351.3	61,804.0	251.1	511.4	658.7	4,625.1	1,272.4
1987	446.2	366.1	64,463.3	272.5	592.3	665.4	5,761.9	1,659.6
1988	436.9	352.1	55,987.0	245.6	537.8	638.5	6,039.4	1,626.1
1989	380.8	325.5	52,540.6	232.7	451.2	622.9	6,148.7	1,434.3
1990	383.6	282.9	55,447.5	216.0	447.6	533.0	6,697.6	1,827.1
1991	362.3	278.4	48,704.3	205.5	415.0	519.3	8,225.7	1,927.4
1992	344.0	253.4	43,536.0	195.5	415.5	482.8	9,636.9	1,902.4
1993	359.8	301.3	39,882.7	239.7	464.8	532.2	11,203.6	2,077.2
1994	384.2	319.4	39,235.3	250.8	524.5	524.6	12,051.8	3,306.3
1995	384.1	291.9	36,091.9	243.3	527.2	453.8	12,439.3	3,206.9
1996	387.9	300.9	42,146.4	248.9	528.9	478.6	13,721.4	3,224.9
1997	331.3	292.5	40,007.8	202.4	458.2	480.5	12,006.1	2,746.4
1998	294.1	264.3	38,498.9	177.5	436.1	426.3	12,132.6	2,434.7
1999	278.6	261.4	31,649.6	172.1	413.9	418.3	11,994.2	2,306.1
2000	279.1	302.7	30,070.0	184.3	414.3	471.4	12,532.2	2,310.5
2001	271.0	302.9	32,899.3	188.3	419.7	457.3	12,788.4	2,243.4
2002	309.7	328.0	38,715.0	206.1	486.2	481.2	15,042.0	2,563.2
2003	363.3	321.2	42,049.4	222.2	508.1	488.5	16,904.9	3,007.2
2004	409.2	329.2	44,232.5	223.4	531.8	508.1	18,523.9	3,386.6
2005	444.5	358.3	49,060.3	244.9	537.9	554.8	19,599.2	3,639.5
2006	603.8	480.6	70,160.3	327.7	684.3	755.9	27,358.6	4,813.3
2007	695.4	506.8	81,742.0	347.0	743.5	832.8	28,689.0	5,284.6
2008	872.0	593.2	90,401.4	471.6	924.9	941.4	37,767.6	6,064.3
2009	972.4	697.0	90,806.9	621.2	1,104.9	1,052.3	47,001.5	6,642.1
2010	1,224.5	925.2	107,109.0	792.4	1,261.0	1,273.8	55,977.9	8,283.2
2011	1,571.5	1,129.9	124,904.2	980.8	1,556.5	1,388.8	73,479.2	10,148.4
2012	1,669.0	1,298.7	133,066.2	1,053.0	1,667.4	1,565.2	89,078.5	10,529.5
2013	1,411.2	1,063.8	137,179.0	903.8	1,451.2	1,309.2	82,238.1	8,683.8
2014	1,266.4	952.8	133,665.9	768.1	1,397.3	1,157.2	77,245.7	7,802.2
2015	1,160.1	1,045.3	140,395.0	759.0	1,480.6	1,115.5	74,347.4	7,285.5
2016	1,250.8	1,129.5	135,409.1	927.3	1,655.3	1,230.9	84,021.5	8,306.0



## ajor consumer countries

per troy ounce

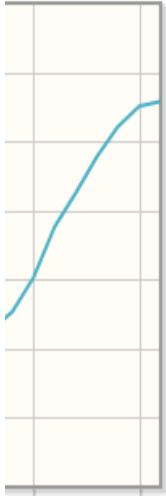
USD TRY SAR IDR AED THB VND EGP KRW

US dollar	Turkish lira	Saudi riyal	Indonesian rupiah	UAE dirham	Thai baht	Vietnamese dong	Egyptian pound	Korean won
193.4	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
304.7	#N/A	1,030.0	191,282.0	1,163.9	6,201.4	#N/A	#N/A	148,048.8
614.5	#N/A	2,044.6	383,817.7	2,278.4	12,496.0	#N/A	#N/A	366,823.5
459.3	#N/A	1,554.1	288,926.5	1,691.0	9,908.7	#N/A	#N/A	315,191.8
375.3	#N/A	1,287.5	247,508.7	1,378.7	8,590.0	#N/A	#N/A	276,229.0
423.7	0.1	1,465.7	383,187.6	1,557.5	9,709.8	#N/A	#N/A	331,230.3
360.8	0.1	1,272.3	369,744.3	1,324.7	8,459.0	#N/A	#N/A	292,467.7
317.3	0.2	1,149.8	351,424.4	1,162.2	8,490.6	#N/A	#N/A	274,967.1
367.9	0.2	1,366.0	478,895.9	1,351.9	9,567.8	#N/A	#N/A	324,124.1
446.2	0.4	1,676.1	734,972.0	1,641.5	11,390.6	#N/A	#N/A	366,474.5
436.9	0.6	1,637.9	737,863.6	1,604.0	11,000.8	#N/A	980.0	320,007.6
380.8	0.8	1,429.7	676,626.3	1,399.8	9,749.4	1,833,959.9	957.5	256,079.8
383.6	1.0	1,437.7	706,760.5	1,407.8	9,777.8	1,889,082.6	1,035.8	271,075.8
362.3	1.5	1,357.7	707,857.5	1,329.6	9,223.2	3,244,975.2	1,174.5	265,570.6
344.0	2.4	1,289.5	700,192.6	1,262.9	8,726.7	3,846,973.3	1,144.5	268,572.3
359.8	4.0	1,350.2	753,918.9	1,322.0	9,111.6	3,827,300.5	1,204.6	289,122.6
384.2	11.6	1,440.7	829,686.7	1,396.4	9,660.4	4,202,318.3	1,292.2	308,748.9
384.1	17.6	1,440.4	861,887.9	1,410.6	9,569.4	4,265,278.5	1,307.6	296,095.7
387.9	31.6	1,454.7	902,519.1	1,424.6	9,830.8	4,276,945.5	1,318.8	311,834.3
331.3	50.1	1,242.5	938,624.3	1,216.7	10,226.4	3,872,283.0	1,125.2	310,943.9
294.1	77.0	1,103.1	3,029,918.9	1,080.2	12,148.0	4,052,365.1	1,003.5	412,221.9
278.6	117.3	1,044.8	2,188,544.0	1,023.2	10,553.1	3,884,314.7	951.6	331,285.5
279.1	174.1	1,046.8	2,339,508.1	1,025.1	11,203.2	3,952,058.4	985.6	315,093.8
271.0	335.8	1,016.5	2,778,084.8	995.5	12,061.1	4,012,213.3	1,097.6	349,881.3
309.7	470.4	1,161.4	2,880,755.8	1,137.4	13,312.3	4,728,987.8	1,433.5	386,924.3
363.3	545.2	1,362.5	3,112,665.3	1,334.5	15,068.0	5,635,821.1	2,139.0	432,514.1
409.2	584.9	1,534.5	3,656,689.6	1,502.9	16,475.9	6,440,493.4	2,538.6	468,455.1
444.5	598.5	1,666.8	4,322,044.1	1,632.4	17,915.0	7,047,376.5	2,573.0	455,474.5
603.8	870.0	2,264.3	5,531,952.9	2,217.6	22,874.6	9,655,862.8	3,466.7	576,142.8
695.4	904.5	2,605.5	6,358,292.4	2,553.6	23,797.9	11,184,920.0	3,921.9	645,725.5
872.0	1,129.4	3,270.9	8,373,658.9	3,202.6	29,030.5	14,325,904.2	4,743.4	950,828.0
972.4	1,508.3	3,646.7	10,046,416.8	3,571.4	33,324.5	17,319,166.3	5,396.8	1,236,512.0
1,224.5	1,843.2	4,592.2	11,110,117.9	4,497.5	38,735.8	23,463,097.5	6,911.0	1,415,721.3
1,571.5	2,655.2	5,893.6	13,765,597.6	5,772.1	47,905.0	32,505,406.4	9,347.1	1,741,098.1
1,669.0	3,003.5	6,259.1	15,625,686.5	6,130.2	51,854.7	34,837,712.5	10,129.5	1,879,371.9
1,411.2	2,674.5	5,292.5	14,638,036.7	5,183.4	43,233.3	29,663,555.5	9,687.5	1,545,116.4
1,266.4	2,767.7	4,750.1	15,009,017.0	4,651.5	41,125.9	26,842,543.1	8,970.2	1,332,095.8
1,160.1	3,152.5	4,351.6	15,515,799.4	4,260.9	39,675.1	25,408,171.5	8,942.4	1,310,933.2
1,250.8	3,772.5	4,691.4	16,618,095.8	4,594.2	44,094.0	27,964,006.7	12,423.5	1,448,703.2

## Gold price - Major producer countries

	National Currency Unit per troy ounce					
EUR	RUB	USD	ZAR	CNY	CAD	AUD
	Russian		South	Chinese	Canada	Australia
Euro	ruble	US dollar	African	renmimbi	n dollar	n dollar
			rand			
124.7	#N/A	193.4	#N/A	#N/A	#N/A	#N/A
185.1	#N/A	304.7	257.0	#N/A	358.7	274.3
378.2	#N/A	614.5	478.3	#N/A	717.9	538.7
360.9	#N/A	459.3	400.4	#N/A	550.1	399.1
345.6	#N/A	375.3	408.5	#N/A	462.4	371.5
439.9	#N/A	423.7	471.3	#N/A	521.8	469.7
425.9	#N/A	360.8	527.2	#N/A	466.4	409.9
394.1	#N/A	317.3	703.4	926.6	432.3	452.9
351.3	#N/A	367.9	839.7	1,272.4	511.4	551.9
366.1	#N/A	446.2	909.4	1,659.6	592.3	636.6
352.1	#N/A	436.9	991.5	1,626.1	537.8	559.8
325.5	#N/A	380.8	998.2	1,434.3	451.2	481.5
282.9	#N/A	383.6	991.1	1,827.1	447.6	491.2
278.4	#N/A	362.3	999.9	1,927.4	415.0	465.1
253.4	#N/A	344.0	979.9	1,902.4	415.5	468.4
301.3	338.7	359.8	1,179.1	2,077.2	464.8	530.5
319.4	832.7	384.2	1,364.4	3,306.3	524.5	525.3
291.9	1,752.0	384.1	1,393.0	3,206.9	527.2	518.5
300.9	2,006.0	387.9	1,663.0	3,224.9	528.9	496.0
292.5	1,914.9	331.3	1,523.8	2,746.4	458.2	445.0
264.3	2,945.3	294.1	1,626.9	2,434.7	436.1	467.8
261.4	6,933.5	278.6	1,703.3	2,306.1	413.9	431.7
302.7	7,860.8	279.1	1,933.8	2,310.5	414.3	480.8
302.9	7,916.1	271.0	2,327.8	2,243.4	419.7	524.5
328.0	9,725.4	309.7	3,249.6	2,563.2	486.2	569.7
321.2	11,139.6	363.3	2,737.0	3,007.2	508.1	558.4
329.2	11,785.8	409.2	2,635.7	3,386.6	531.8	556.0
358.3	12,581.9	444.5	2,833.8	3,639.5	537.9	583.4
480.6	16,395.4	603.8	4,096.7	4,813.3	684.3	801.4
506.8	17,753.0	695.4	4,894.1	5,284.6	743.5	828.5
593.2	21,582.7	872.0	7,144.3	6,064.3	924.9	1,033.2
697.0	30,769.7	972.4	8,136.1	6,642.1	1,104.9	1,235.2
925.2	37,246.4	1,224.5	8,946.7	8,283.2	1,261.0	1,331.8
1,129.9	46,279.9	1,571.5	11,454.0	10,148.4	1,556.5	1,523.5
1,298.7	51,818.9	1,669.0	13,700.1	10,529.5	1,667.4	1,610.6
1,063.8	44,828.7	1,411.2	13,540.4	8,683.8	1,451.2	1,454.6
952.8	48,488.8	1,266.4	13,722.7	7,802.2	1,397.3	1,402.4
1,045.3	70,880.2	1,160.1	14,746.4	7,285.5	1,480.6	1,542.7
1,129.5	83,708.0	1,250.8	18,348.5	8,306.0	1,655.3	1,680.0





2010年 2015年