

Mineral Industry Surveys

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COBALT IN JANUARY, FEBRUARY, AND MARCH 2009

U.S. cobalt consumption during the quarter ending March 31, 2009, was slightly lower than that consumed during the quarter ending December 31, 2008, and 5% lower than that consumed during the quarter ending March 31, 2008, according to the U.S. Geological Survey. The amount of cobalt contained in U.S. imports of cobalt metals and chemicals was 52% lower during January through February 2009 than that during the same period in 2008. The amount of cobalt contained in U.S. exports of unwrought cobalt and chemicals during January through February 2009 was slightly lower than that exported during the same period in 2008.

Update

Prices for electrolytic cobalt, in dollars per pound from Platts Metals Week, are listed below.

<u>Month</u>	<u>Price range</u>	<u>Average price</u>
January 2009	16.00-19.25	18.06
February 2009	11.50-16.50	14.56
March 2009	12.00-17.00	14.81

TABLE 1
U.S. REPORTED CONSUMPTION OF COBALT MATERIALS¹

(Metric tons, contained cobalt)

Period	Metal ²	Oxide and other chemical compounds ³	Scrap	Total
2008:				
January	338	223	158	720
February	329	219	160	708
March	321	223	167	711
April	301	226	170	697
May	341	223	162	726
June	319	225	164	708
July	318	221	150	688
August	315	226	166	707
September	317	224	154	695
October	312	222	170	704
November	335	219	151	704
December	307	217	154	679
January-February	668 ^r	442	318	1,430
January-March	988 ^r	665	486	2,140
January-December ⁴	3,850	2,670	1,930	8,450
2009:				
January	303	221	156	680
February	308	221	151	681
March	303	221	154	678
January-February	611	442	308	1,360
January-March	914	663	462	2,040

^rRevised.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²Includes metal powder.

³Data may include other cobalt materials.

⁴Data based on monthly reports.

TABLE 2
U.S REPORTED CONSUMPTION OF COBALT, BY END USE¹

(Metric tons, contained cobalt)

End use	2008				2009				
	January	January- February	January- March	January- December ²	January	February	March	January- February	January- March ³
Steel	49	100	151	612	56	56	56	113	169
Superalloys	324	636	948	3,700	288	288	286	576	862
Magnetic alloys	26	52	79	295 ^r	23	22	23	45	67
Other alloys ⁴	W	W	W	W	W	W	W	W	W
Cemented carbides ⁵	61	127	191	739	57	57	57	115	172
Chemical and ceramic uses ⁶	237	469	706	2,830	234	234	234	468	702
Miscellaneous and unspecified	22	45	68	270	22	22	22	45	68
Total	720	1,430	2,140	8,450	680	681	678	1,360	2,040

^rRevised. W Withheld to avoid disclosing company proprietary data; included with "Miscellaneous and unspecified."

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²Data based on monthly reports.

³Includes revisions to prior months' data.

⁴Includes nonferrous alloys, welding materials, and wear-resistant alloys.

⁵Includes diamond tool matrices, cemented and sintered carbides, and cast carbide dies or parts.

⁶Includes catalysts, driers in paints or related usages, feed or nutritive additives, glass decolorizer, ground coat frit, pigments, and other uses.

TABLE 3
U.S. REPORTED STOCKS OF COBALT MATERIALS¹

(Metric tons, contained cobalt)

Period	Industry ²				U.S. Government, metal ⁵
	Metal ³	Oxide and other chemical compounds ⁴	Scrap	Total	
2008:					
January	302	155	56	513	666
February	297	163	56	517	652
March	290	174	56	521	620
April	319	167	52	538	620
May	298	169	54	521	612
June	297	162	54	512 ^r	612
July	306	161	62	529	606
August	317	155	63	535	576
September	310	155	66	532	497
October	293 ^r	173	59	525 ^r	497
November	291	172	70	533	497
December ⁶	292	176	78	547	473
2009:					
January	295	174	96	566	455
February	294	170	90	554	455
March	290	166	97	553	455

^rRevised.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²Stocks reported by cobalt processors and consumers.

³Includes metal powder.

⁴Data may include other cobalt materials.

⁵Data from Defense National Stockpile Center; uncommitted material only.

⁶Data based on monthly reports.

TABLE 4a
U.S. IMPORTS FOR CONSUMPTION OF COBALT THROUGH DECEMBER 2008, BY COUNTRY¹

(Kilograms, gross weight of material, except as noted)

Period and country of origin	Metals ²		Oxides and hydroxides		Salts and compounds ³		Total cobalt content for the period ⁵	Cobalt content, year to date ^{5, 6}
	Quantity	Value ⁴	Quantity	Value ⁴	Quantity	Value ⁴		
2007:								
December	740,000	\$47,500,000	70,200	\$3,760,000	208,000	\$4,200,000	866,000	10,300,000
January-December	8,960,000	487,000,000	1,020,000	44,400,000	1,950,000	31,100,000	10,300,000	XX
2008:								
January	939,000	65,800,000	44,100	2,320,000	194,000	4,110,000	1,040,000	1,040,000
February	942,000	69,700,000	105,000	6,710,000	401,000	4,060,000	1,140,000	2,180,000
March	492,000	34,400,000	108,000	7,290,000	293,000	3,150,000	658,000	2,840,000
April	622,000	49,200,000	57,400	4,450,000	601,000	7,570,000	853,000	3,700,000
May	721,000	62,800,000	66,100	5,230,000	523,000	5,810,000	945,000	4,640,000
June	875,000	79,000,000	135,000	8,430,000	523,000	6,670,000	1,140,000	5,780,000
July	550,000	46,100,000	100,000	6,750,000	589,000	5,000,000	793,000	6,580,000
August	523,000	40,600,000	91,500	5,770,000	529,000	4,120,000	748,000	7,320,000
September	799,000	51,000,000	77,100	4,210,000	536,000	4,180,000	1,010,000	8,340,000
October	791,000	53,000,000	80,600	4,020,000	248,000	2,200,000	922,000	9,260,000
November	685,000	43,600,000	148,000	4,710,000	234,000	2,610,000	862,000	10,100,000
December:								
Argentina	--	--	--	--	--	--	--	33,500
Australia	23,000	863,000	--	--	--	--	23,000	757,000
Austria	--	--	--	--	--	--	--	1,770
Belgium	30,400	2,110,000	37,700	1,590,000	--	--	57,600	748,000
Brazil	--	--	--	--	7,850	32,200	2,120	171,000
Canada	132,000	3,990,000	--	--	--	--	132,000	1,370,000
China	41,700	2,290,000	54,300	1,550,000	2,000	59,600	81,700	1,490,000
Congo (Kinshasa)	8,000	564,000	--	--	--	--	8,000	28,000
Croatia	--	--	--	--	--	--	--	3
Finland	6,000	464,000	3,600	217,000	19,300	226,000	13,800	1,450,000
France	3,430	175,000	--	--	--	--	3,430	27,600
Germany	--	--	1,300	112,000	--	--	933	21,300
India	--	--	--	--	--	--	--	215,000
Italy	--	--	--	--	--	--	--	1
Japan	10,300	760,000	--	--	--	--	10,300	144,000
Korea, Republic of	--	--	--	--	--	--	--	15,800
Liechtenstein	--	--	--	--	--	--	--	3,250
Morocco	25,200	1,490,000	--	--	--	--	25,200	444,000
Netherlands	--	--	--	--	--	--	--	2,100
Norway	168,000	9,390,000	--	--	--	--	168,000	1,400,000
Peru	--	--	--	--	1,320	29,600	605	1,130
Philippines	--	--	--	--	--	--	--	1,590
Russia	18,700	412,000	--	--	--	--	18,700	1,390,000
South Africa	5,000	34,500	--	--	--	--	5,000	178,000
Spain	--	--	--	--	--	--	--	5,830
Switzerland	--	--	--	--	--	--	--	768
Uganda	--	--	--	--	--	--	--	20,000
United Arab Emirates	--	--	--	--	--	--	--	5,400
United Kingdom	333	21,200	--	--	3,000	74,400	1,710	302,000
Zaire	--	--	--	--	--	--	--	--
Zambia	17,600	642,000	--	--	--	--	17,600	456,000
Total	490,000	23,200,000	96,900	3,460,000	33,400	422,000	570,000	10,700,000
January-December	8,430,000	618,000,000	1,110,000	63,400,000	4,710,000	49,900,000	10,700,000	XX

XX Not applicable. -- Zero.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²Unwrought cobalt, excluding alloys; includes cobalt cathode and cobalt metal powder; may include intermediate products of cobalt metallurgy.

³Includes cobalt acetates, cobalt carbonates, cobalt chlorides, and cobalt sulfates.

⁴Customs value.

⁵Estimated from gross weights.

⁶May include revisions to prior months.

TABLE 4b
U.S. IMPORTS FOR CONSUMPTION OF COBALT THROUGH JANUARY 2009, BY COUNTRY¹

(Kilograms, gross weight of material, except as noted)

Period and country of origin	Metals ²		Oxides and hydroxides		Salts and compounds ³		Total cobalt content for the period ⁵	Cobalt content, year to date ^{5, 6}
	Quantity	Value ⁴	Quantity	Value ⁴	Quantity	Value ⁴		
2008:								
January	939,000	\$65,800,000	44,100	\$2,320,000	194,000	\$4,110,000	1,040,000	1,040,000
February	942,000	69,700,000	105,000	6,710,000	401,000	4,060,000	1,140,000	2,180,000
March	492,000	34,400,000	108,000	7,290,000	293,000	3,150,000	658,000	2,840,000
April	622,000	49,200,000	57,400	4,450,000	601,000	7,570,000	853,000	3,700,000
May	721,000	62,800,000	66,100	5,230,000	523,000	5,810,000	945,000	4,640,000
June	875,000	79,000,000	135,000	8,430,000	523,000	6,670,000	1,140,000	5,780,000
July	550,000	46,100,000	100,000	6,750,000	589,000	5,000,000	793,000	6,580,000
August	523,000	40,600,000	91,500	5,770,000	529,000	4,120,000	748,000	7,320,000
September	799,000	51,000,000	77,100	4,210,000	536,000	4,180,000	1,010,000	8,340,000
October	791,000	53,000,000	80,600	4,020,000	248,000	2,200,000	922,000	9,260,000
November	685,000	43,600,000	148,000	4,710,000	234,000	2,610,000	862,000	10,100,000
December	490,000	23,200,000	96,900	3,460,000	33,400	422,000	570,000	10,700,000
January-December	8,430,000	618,000,000	1,110,000	63,400,000	4,710,000	49,900,000	10,700,000	XX
2009, January:								
Belgium	755	42,100	22,000	451,000	--	--	16,600	16,600
Brazil	--	--	--	--	2,080	32,300	561	561
Canada	119,000	3,100,000	--	--	--	--	119,000	119,000
China	95,100	2,990,000	--	--	48,800	673,000	116,000	116,000
Finland	15,000	786,000	900	25,900	41,600	558,000	29,700	29,700
France	512	35,100	--	--	--	--	512	512
Germany	250	21,600	1,300	87,500	--	--	1,180	1,180
Hong Kong	--	--	13,500	335,000	--	--	9,720	9,720
Japan	5,700	450,000	--	--	--	--	5,700	5,700
Morocco	26,000	509,000	--	--	--	--	26,000	26,000
Norway	40,000	1,440,000	--	--	--	--	40,000	40,000
Russia	41,900	1,090,000	--	--	--	--	41,900	41,900
South Africa	500	37,200	--	--	--	--	500	500
United Kingdom	50	5,100	2	2,360	8,460	100,000	3,110	3,110
Total	345,000	10,500,000	37,700	901,000	101,000	1,360,000	410,000	410,000

XX Not applicable. -- Zero.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²Unwrought cobalt, excluding alloys; includes cobalt cathode and cobalt metal powder; may include intermediate products of cobalt metallurgy.

³Includes cobalt acetates, cobalt carbonates, cobalt chlorides, and cobalt sulfates.

⁴Customs value.

⁵Estimated from gross weights.

⁶May include revisions to prior months.

Source: U.S. Census Bureau.

TABLE 4c
U.S. IMPORTS FOR CONSUMPTION OF COBALT THROUGH FEBRUARY 2009, BY COUNTRY¹

(Kilograms, gross weight of material, except as noted)

Period and country of origin	Metals ²		Oxides and hydroxides		Salts and compounds ³		Total cobalt content for the period ⁵	Cobalt content, year to date ^{5, 6}
	Quantity	Value ⁴	Quantity	Value ⁴	Quantity	Value ⁴		
2008:								
February	942,000	\$69,700,000	105,000	\$6,710,000	401,000	\$4,060,000	1,140,000	\$2,180,000
March	492,000	34,400,000	108,000	7,290,000	293,000	3,150,000	658,000	2,840,000
April	622,000	49,200,000	57,400	4,450,000	601,000	7,570,000	853,000	3,700,000
May	721,000	62,800,000	66,100	5,230,000	523,000	5,810,000	945,000	4,640,000
June	875,000	79,000,000	135,000	8,430,000	523,000	6,670,000	1,140,000	5,780,000
July	550,000	46,100,000	100,000	6,750,000	589,000	5,000,000	793,000	6,580,000
August	523,000	40,600,000	91,500	5,770,000	529,000	4,120,000	748,000	7,320,000
September	799,000	51,000,000	77,100	4,210,000	536,000	4,180,000	1,010,000	8,340,000
October	791,000	53,000,000	80,600	4,020,000	248,000	2,200,000	922,000	9,260,000
November	685,000	43,600,000	148,000	4,710,000	234,000	2,610,000	862,000	10,100,000
December	490,000	23,200,000	96,900	3,460,000	33,400	422,000	570,000	10,700,000
January-February	1,880,000	135,000,000	149,000	9,030,000	595,000	8,160,000	2,180,000	XX
January-December	8,430,000	618,000,000	1,110,000	63,400,000	4,710,000	49,900,000	10,700,000	XX
2009:								
January	345,000	10,500,000	37,700	901,000	101,000	1,360,000	410,000	410,000
February:								
Australia	50,000	1,400,000	--	--	--	--	50,000	50,000
Belgium	22,800	1,200,000	18,800	603,000	10,000	92,600	38,900	55,500
Brazil	--	--	--	--	4,580	17,600	1,240	1,800
Canada	21,000	808,000	--	--	--	--	21,000	140,000
China	168,000	6,860,000	--	--	56,300	828,000	190,000	306,000
Congo (Kinshasa)	9,980	312,000	--	--	--	--	9,980	9,980
Finland	2,800	123,000	1,000	26,900	82,200	654,000	28,100	57,700
France	733	39,900	--	--	--	--	733	1,250
Germany	--	--	--	--	--	--	--	1,180
Hong Kong	--	--	--	--	--	--	--	9,720
Japan	--	--	693	32,100	--	--	499	6,200
Morocco	--	--	--	--	--	--	--	26,000
Norway	137,000	3,000,000	--	--	--	--	137,000	177,000
Peru	--	--	--	--	509	11,500	234	234
Russia	125,000	3,720,000	--	--	--	--	125,000	167,000
South Africa	--	--	--	--	--	--	--	500
Sweden	250	11,800	--	--	--	--	250	250
United Kingdom	121	7,360	3,000	95,700	7,210	125,000	5,080	8,190
Zambia	36,300	1,070,000	--	--	--	--	36,300	36,300
Total	574,000	18,600,000	23,400	757,000	161,000	1,730,000	644,000	1,050,000
January-February	919,000	29,100,000	61,100	1,660,000	262,000	3,090,000	1,050,000	XX

XX Not applicable. -- Zero.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²Unwrought cobalt, excluding alloys; includes cobalt cathode and cobalt metal powder; may include intermediate products of cobalt metallurgy.

³Includes cobalt acetates, cobalt carbonates, cobalt chlorides, and cobalt sulfates.

⁴Customs value.

⁵Estimated from gross weights.

⁶May include revisions to prior months.

Source: U.S. Census Bureau.

TABLE 5a
U.S. IMPORTS FOR CONSUMPTION OF ADDITIONAL COBALT MATERIALS THROUGH DECEMBER 2008, BY COUNTRY¹

(Kilograms, gross weight of material, except as noted)

Period and country of origin	Unwrought cobalt alloys		Cobalt waste and scrap		Wrought cobalt and cobalt articles	
	Quantity	Value ²	Quantity	Value ²	Quantity	Value ²
2007:						
December	2,940	\$189,000	85,800	\$1,630,000	13,900	\$1,460,000
January-December	41,000	2,600,000	1,210,000	17,500,000	206,000	20,000,000
2008:						
January	26,500	1,410,000	34,600	599,000	17,300	1,940,000
February	339	27,200	65,300	1,440,000	22,500	1,940,000
March	766	87,700	114,000	2,900,000	34,700	2,700,000
April	15,500	871,000	214,000	4,870,000	22,800	2,180,000
May	1,140	93,800	127,000	2,600,000	15,600	1,750,000
June	14,300	776,000	117,000	2,130,000	28,900	3,070,000
July	12,300	700,000	145,000	3,430,000	27,200	2,540,000
August	1,900	156,000	56,400	1,110,000	39,300	3,580,000
September	214	40,700	34,800	613,000	27,600	2,900,000
October	20,600	1,150,000	85,000	1,330,000	33,900	2,390,000
November	44	6,220	59,700	875,000	26,200	2,930,000
December:						
Canada	--	--	500	8,640	1,450	387,000
China	--	--	--	--	822	129,000
Finland	1,000	213,000	--	--	--	--
France	--	--	2,700	28,100	4,220	543,000
Germany	--	--	17,900	131,000	3,080	285,000
Ireland	--	--	13,400	192,000	--	--
Japan	--	--	--	--	1,850	109,000
Kazakhstan	--	--	--	--	25,900	95,800
Mexico	--	--	1,770	23,300	--	--
Morocco	20,000	813,000	--	--	--	--
Netherlands	--	--	--	--	5	3,200
Taiwan	--	--	495	13,700	6	2,620
Tunisia	--	--	3,130	93,700	--	--
United Kingdom	--	--	20,500	346,000	11,500	893,000
Total	21,000	1,030,000	60,400	836,000	48,800	2,450,000
January-December	115,000	6,340,000	1,110,000	22,700,000	345,000	30,400,000

-- Zero.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²Customs value.

Source: U.S. Census Bureau.

TABLE 5b
U.S. IMPORTS FOR CONSUMPTION OF ADDITIONAL COBALT MATERIALS THROUGH JANUARY 2009, BY COUNTRY¹

(Kilograms, gross weight of material, except as noted)

Period and country of origin	Unwrought cobalt alloys		Cobalt waste and scrap		Wrought cobalt and cobalt articles	
	Quantity	Value ²	Quantity	Value ²	Quantity	Value ²
2008:						
January	26,500	\$1,410,000	34,600	\$599,000	17,300	\$1,940,000
February	339	27,200	65,300	1,440,000	22,500	1,940,000
March	766	87,700	114,000	2,900,000	34,700	2,700,000
April	15,500	871,000	214,000	4,870,000	22,800	2,180,000
May	1,140	93,800	127,000	2,600,000	15,600	1,750,000
June	14,300	776,000	117,000	2,130,000	28,900	3,070,000
July	12,300	700,000	145,000	3,430,000	27,200	2,540,000
August	1,900	156,000	56,400	1,110,000	39,300	3,580,000
September	214	40,700	34,800	613,000	27,600	2,900,000
October	20,600	1,150,000	85,000	1,330,000	33,900	2,390,000
November	44	6,220	59,700	875,000	26,200	2,930,000
December	21,000	1,030,000	60,400	836,000	48,800	2,450,000
January-December	115,000	6,340,000	1,110,000	22,700,000	345,000	30,400,000
2009, January:						
Canada	25,500	629,000	--	--	1,070	290,000
China	--	--	--	--	899	145,000
France	--	--	--	--	84	66,200
Germany	--	--	--	--	1,370	222,000
India	--	--	16,200	95,700	--	--
Ireland	--	--	15,700	234,000	--	--
Japan	--	--	4,560	185,000	1,500	99,600
Mexico	--	--	617	12,800	--	--
Spain	--	--	953	12,700	--	--
Tunisia	--	--	1,110	32,900	--	--
United Kingdom	3,780	65,100	29,700	419,000	4,520	648,000
Total	29,300	694,000	68,900	992,000	9,430	1,470,000

-- Zero.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²Customs value.

Source: U.S. Census Bureau.

TABLE 5c
U.S. IMPORTS FOR CONSUMPTION OF ADDITIONAL COBALT MATERIALS THROUGH FEBRUARY 2009, BY COUNTRY¹

(Kilograms, gross weight of material, except as noted)

Period and country of origin	Unwrought cobalt alloys		Cobalt waste and scrap		Wrought cobalt and cobalt articles	
	Quantity	Value ²	Quantity	Value ²	Quantity	Value ²
2008:						
February	339	\$27,200	65,300	\$1,440,000	22,500	\$1,940,000
March	766	87,700	114,000	2,900,000	34,700	2,700,000
April	15,500	871,000	214,000	4,870,000	22,800	2,180,000
May	1,140	93,800	127,000	2,600,000	15,600	1,750,000
June	14,300	776,000	117,000	2,130,000	28,900	3,070,000
July	12,300	700,000	145,000	3,430,000	27,200	2,540,000
August	1,900	156,000	56,400	1,110,000	39,300	3,580,000
September	214	40,700	34,800	613,000	27,600	2,900,000
October	20,600	1,150,000	85,000	1,330,000	33,900	2,390,000
November	44	6,220	59,700	875,000	26,200	2,930,000
December	21,000	1,030,000	60,400	836,000	48,800	2,450,000
January-February	26,800	1,440,000	99,800	2,040,000	39,900	3,880,000
January-December	115,000	6,340,000	1,110,000	22,700,000	345,000	30,400,000
2009:						
January	29,300	694,000	68,900	992,000	9,430	1,470,000
February:						
Austria	90	5,000	--	--	--	--
Canada	59,000	2,250,000	518	4,380	1,180	309,000
China	--	--	--	--	444	69,200
Czech Republic	--	--	--	--	2	4,110
Finland	400	100,000	--	--	--	--
France	--	--	2,470	25,700	4	4,920
Germany	--	--	2,270	55,000	228	105,000
Ireland	--	--	16,200	240,000	--	--
Japan	--	--	--	--	1,830	90,000
Mexico	--	--	865	15,600	--	--
Tunisia	--	--	3,840	94,300	--	--
United Kingdom	40	9,210	5,330	54,600	16,900	1,610,000
Total	59,500	2,360,000	31,500	490,000	20,600	2,190,000
January-February	88,900	3,050,000	100,000	1,480,000	30,100	3,660,000

-- Zero.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²Customs value.

Source: U.S. Census Bureau.

TABLE 6
U.S. EXPORTS OF COBALT MATERIALS¹

(Kilograms, gross weight of material, except as noted)

Period	Unwrought cobalt, powders, matte, waste and scrap ²		Oxides and hydroxides		Salts and compounds ³		Total cobalt content for the period ⁵	Cobalt content, year to date ^{5, 6}
	Quantity	Value ⁴	Quantity	Value ⁴	Quantity	Value ⁴		
2008:								
February	190,000	\$8,330,000	76,200	\$1,800,000	56,700	\$2,350,000	259,000	430,000
March	243,000	9,720,000	50,400	1,320,000	22,800	495,000	285,000	715,000
April	181,000	8,030,000	48,000	3,980,000	1,770	26,600	216,000	931,000
May	261,000	11,100,000	81,200	1,780,000	67,200	789,000	336,000	1,270,000
June	180,000	9,470,000	21,100	785,000	3,520	43,400	196,000	1,460,000
July	181,000	9,410,000	54,800	2,930,000	32,900	624,000	229,000	1,690,000
August	239,000	16,200,000	34,800	2,090,000	3,200	37,600	265,000	1,960,000
September	197,000	8,740,000	52,600	1,530,000	14,600	208,000	239,000	2,190,000
October	227,000	6,780,000	36,300	1,060,000	36,300	496,000	262,000	2,460,000
November	156,000	7,090,000	22,800	334,000	56,200	356,000	186,000	2,640,000
December	174,000	10,900,000	31,800	929,000	43,600	658,000	207,000	2,850,000
January-February	345,000	14,200,000	97,200	2,680,000	64,100	2,590,000	430,000	XX
January-December	2,380,000	112,000,000	531,000	19,400,000	346,000	6,320,000	2,850,000	XX
2009:								
January	222,000	12,600,000	49,900	1,120,000	28,100	12,300	264,000	264,000
February	138,000	5,180,000	19,500	357,000	23,600	176,000	158,000	423,000
January-February	360,000	17,800,000	69,400	1,480,000	51,700	188,000	423,000	XX

XX Not applicable.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²May include other intermediate products of cobalt metallurgy and unwrought cobalt alloys.

³Cobalt acetates and cobalt chlorides.

⁴Free alongside ship (f.a.s.) value.

⁵Estimated from gross weights.

⁶Year to date may include revisions to prior months.

Source: U.S. Census Bureau.

TABLE 7
U.S. EXPORTS OF WROUGHT COBALT, COBALT ORE,
AND CONCENTRATES¹

(Kilograms, gross weight of material, except as noted)

Period	Wrought cobalt and cobalt articles		Cobalt ore and concentrates	
	Quantity	Value ²	Quantity	Value ²
2008:				
February	143,000	\$11,500,000	33,400	\$714,000
March	92,200	6,420,000	28,600	2,630,000
April	127,000	9,300,000	89,000	4,520,000
May	98,400	6,990,000	19,300	1,830,000
June	117,000	9,900,000	103,000	9,940,000
July	93,600	7,990,000	4,610	300,000
August	109,000	8,800,000	6,190	307,000
September	98,200	8,120,000	147,000	4,360,000
October	133,000	9,580,000	158,000	843,000
November	146,000	10,500,000	17,000	436,000
December	91,200	6,230,000	2,000	106,000
January-February	260,000	20,000,000	65,300	3,280,000
January-December	1,370,000	104,000,000	640,000	28,500,000
2009:				
January	90,300	5,710,000	5,710	10,500
February	118,000	6,500,000	41,500	54,100
January-February	208,000	12,200,000	47,200	64,600

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²Free alongside ship (f.a.s.) value.

Source: U.S. Census Bureau.