

Mineral Industry Surveys

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PLATINUM-GROUP METALS IN JULY 2012

Engelhard's average July prices for platinum, rhodium, and iridium decreased slightly, and that for palladium decreased by 6% compared with average June prices. The average monthly ruthenium price remained unchanged during the same period. The platinum and palladium prices increased at the beginning of the month in response to interest rate cuts in China and the euro area, and then the prices decreased throughout the rest of the month in response to global economic concerns. The prices increased slightly at monthend in response to encouraging news from the euro area regarding sovereign debt. The rhodium price decreased throughout the month and reached its lowest point in 9 months in response to decreased purchasing in the Far East (Johnson Matthey plc, 2012). The iridium price decreased for the first time in 5 months in response to decreased buying. Platinum prices remained below those for gold for the 10th straight month and higher than those for rhodium for the 7th straight month.

Stillwater Mining Co. (Billings, MT), through its subsidiary, Stillwater Canada Inc., submitted an environmental impact statement for its Marathon platinum-group metals (PGM)-copper project in Ontario, Canada. Stillwater owns 75% of the Marathon project and the remaining 25% is owned by Mitsubishi Corp. (Tokyo, Japan). The Marathon project was expected to produce 6,200 kilograms (kg) of platinum and palladium annually. No timeframe estimate was given for startup of operations (Stillwater Mining Co., 2012).

Lonmin plc (London, United Kingdom) produced 5,780 kg of platinum in the second quarter of 2012 from operations in South Africa, which was 12% more than production in the same quarter of 2011. Total PGM production was 10,400 kg, an increase of 13% compared with that of 2011. The higher production was the result of an increase in tons milled, as well as improved ore grades and recoveries (Lonmin plc, 2012).

Anglo American Platinum Ltd. (Amplats) (Johannesburg, South Africa) produced 31,900 kg of refined platinum and 60,300 kg of refined PGMs in the first half of 2012 from operations in South Africa and Zimbabwe, which was a 13%

decrease for each quantity compared with production from the same period of 2011. The decrease was the result of operational difficulties during the restart of the converter plant after planned annual maintenance was completed at the plant. Amplats was performing an in-depth strategic review of its operations because of low metal prices, and decreased its production guidance for 2012 to between 75,000 and 78,000 kg of platinum from its original estimate of 81,000 kg of platinum (Anglo American Platinum Ltd., 2012, p. 1–2, 10–11).

OJSC MMC Norilsk Nickel (Moscow, Russia) produced 22,000 kg of palladium and 5,600 kg of platinum from its Polar and Kola divisions in Russia during the second quarter of 2012, a 15% increase in production for each compared with production during the same quarter of 2011. The increased production exceeded the company's planned production increase (OJSC MMC Norilsk Nickel, 2012).

References Cited

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TABLE 1
PLATINUM-GROUP METALS PRICES¹

(Dollars per troy ounce)

	Platinum	Palladium	Rhodium	Iridium	Ruthenium
2011:					
Low/date	1,356.00 Dec. 29	553.00 Oct. 5	1,400.00 Dec. ²	780.00 Jan. 3 and 4	110.00 Dec. ²
High/date	1,892.00 Aug. 22 and 23	851.00 Feb. 18	2,500.00 Jan. 31 and Feb. ²	1,085.00 Sep.–Dec. ²	180.00 Jan.–Aug. ²
Average	1,724.51	738.51	2,024.35	1,035.87	165.85
2012:					
June:					
Low/date	1,405.00/28	580.00/28	1,250.00 ²	1,075.00 ²	115.00 ²
High/date	1,496.00/15	639.00/19	1,250.00 ²	1,075.00 ²	115.00 ²
Average	1,450.05	617.95	1,250.00	1,075.00	115.00
July:					
Low/date	1,395.00/24	570.00/23 and 25	1,165.00/30 and 31	1,070.00 ²	115.00 ²
High/date	1,478.00/3	596.00/3	1,250.00 ²	1,075.00 ²	115.00 ²
Average	1,425.86	582.95	1,225.48	1,071.19	115.00
January–July:					
Low/date	1,395.00 July 24	570.00 July 23 and 25	1,165.00 July 30 and 31	1,070.00 July ²	110.00 Jan. ²
High/date	1,731.00 Feb. 29	727.00 Feb. 29	1,540.00 Feb. 14 and 15	1,085.00 Jan.–Feb. ²	130.00 Feb.–Mar. ²
Average	1,539.40	649.64	1,370.67	1,076.46	117.90

¹Quotes from Engelhard.

²Occurred multiple days in month(s) listed.

Source: Platts Metals Week.

TABLE 2
U.S. IMPORTS FOR CONSUMPTION OF PLATINUM METAL, BY COUNTRY¹

(Kilograms metal content, unless otherwise specified)

Period and country	Platinum grain and nuggets		Platinum sponge		Other unwrought platinum		Platinum, other		Platinum waste and scrap		Platinum coins		
	Quantity	Value (thousands)	Quantity	Value (thousands)	Quantity	Value (thousands)	Quantity	Value (thousands)	Quantity	Value (thousands)	Quantity	Value (thousands)	
	2011	1,230	\$65,700	35,800	\$1,910,000	7,160	\$211,000	4,660	\$206,000	78,900	\$832,000	1,200	\$66,300
2012:													
April	18	878	2,410	127,000	420	19,600	316	10,700	4,990	55,500	38	2,150	
May	2	56	4,450	210,000	236	10,200	302	11,200	14,500	81,800	47	2,310	
June:													
Australia	--	--	--	--	--	--	187	8,800	15	480	1	11	
Belgium	--	--	215	10,000	--	--	--	--	37	2,580	--	--	
Brazil	--	--	--	--	30	1,340	--	--	121	2,790	--	--	
Canada	1	41	--	--	--	--	30	1,490	331	9,620	93	4,720	
China	--	--	--	--	--	--	--	--	18	143	--	--	
Colombia	--	--	--	--	144	5,570	7	276	34	613	--	--	
Czech Republic	--	--	--	--	1	52	3	164	--	--	--	--	
Germany	--	--	457	22,400	168	4,470	173	5,330	12,800	15,400	--	--	
Israel	--	--	--	--	--	--	--	--	7	245	--	--	
Italy	--	--	157	7,480	--	--	21	994	31	998	--	--	
Japan	--	--	(2)	23	6	79	11	300	230	9,410	--	--	
Korea, Republic of	--	--	94	4,910	--	--	1	28	--	--	--	--	
Malaysia	--	--	--	--	--	--	--	--	52	1,470	--	--	
Mexico	--	--	--	--	--	--	--	--	16,200	7,680	--	--	
New Zealand	--	--	--	--	--	--	--	--	75	1,670	--	--	
Norway	--	--	94	4,490	--	--	--	--	--	--	--	--	
Peru	--	--	--	--	--	--	--	--	5	139	--	--	
Philippines	--	--	--	--	--	--	--	--	18	485	--	--	
Qatar	--	--	--	--	--	--	--	--	31	1,440	--	--	
Russia	165	7,990	--	--	--	--	--	--	--	--	--	--	
Singapore	--	--	37	1,790	30	1,760	--	--	54	2,390	--	--	
South Africa	100	4,660	2,410	114,000	--	--	--	--	--	--	--	--	
Switzerland	--	--	(2)	40	--	--	62	2,900	--	--	--	--	
United Kingdom	(2)	--	183	8,760	1	52	17	797	210	11,100	1	34	
Other	--	--	--	--	--	--	(2)	7	7	132	--	--	
Total	265	12,700	3,650	174,000	380	13,300	512	21,100	30,300	68,800	95	4,760	
January–June	768	37,000	18,100	895,000	2,010	85,900	2,430	96,700	59,600	458,000	476	24,400	

-- Zero.

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

²Less than ½ unit.

Source: U.S. Census Bureau.

TABLE 3
U.S. IMPORTS FOR CONSUMPTION OF PLATINUM-GROUP METALS, BY COUNTRY¹

(Kilograms metal content, unless otherwise specified)

Period and country	Unwrought palladium		Palladium, other		Iridium ²		Osmium ²		Ruthenium ²		Rhodium ²	
	Quantity	Value (thousands)	Quantity	Value (thousands)	Quantity	Value (thousands)	Quantity	Value (thousands)	Quantity	Value (thousands)	Quantity	Value (thousands)
2011	87,000	\$1,890,000	11,900	\$268,000	2,790	\$59,000	48	\$261	13,300	\$69,700	13,100	\$844,000
2012:												
April	4,870	108,000	740	15,900	50	1,770	--	--	520	2,040	1,110	51,100
May	3,260	66,800	1,160	23,500	130	4,430	--	--	1,030	3,760	836	36,700
June:												
Belgium	7	136	36	720	--	--	--	--	--	--	44	1,860
Canada	--	--	304	7,580	--	--	--	--	--	--	--	--
Germany	39	770	40	780	(3)	16	--	--	65	254	113	4,770
Italy	122	2,480	22	458	3	23	--	--	--	--	16	740
Japan	188	2,930	3	72	--	--	--	--	--	--	--	--
Korea, Republic of	150	3,700	--	--	--	--	--	--	--	--	--	--
Norway	314	6,120	1	24	--	--	--	--	--	--	5	188
Russia	768	15,500	374	7,520	--	--	--	--	--	--	58	2,280
South Africa	1,530	30,500	22	419	12	403	20	100	181	610	922	38,900
Switzerland	--	--	3	107	--	--	--	--	--	--	--	--
United Kingdom	1,560	31,200	25	493	3	102	--	--	218	869	152	6,370
Other	1	25	--	--	--	--	--	--	--	--	--	--
Total	4,680	93,300	830	18,200	18	545	20	100	463	1,730	1,310	55,100
January-June	30,200	649,000	5,740	126,000	684	22,300	20	100	6,180	21,900	6,760	305,000

-- Zero.

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

²Unwrought and other forms.

³Less than ½ unit.

Source: U.S. Census Bureau.

TABLE 4
U.S. EXPORTS OF PLATINUM-GROUP METALS, BY COUNTRY¹

(Kilograms metal content, unless otherwise specified)

Period and country	Platinum				Iridium, osmium, and ruthenium ^{2,3}				Rhodium ²	
	Platinum ²		waste and scrap		Palladium ²		Value		Value	
	Quantity	Value (thousands)	Quantity	Value (thousands)	Quantity	Value (thousands)	Quantity	Value (thousands)	Quantity	Value (thousands)
2011	11,300	\$552,000	118,000	\$1,440,000	32,000	\$416,000	1,150	\$18,000	1,370	\$71,700
2012:										
April	435	19,200	2,660	73,400	2,640	27,600	109	1,100	22	1,220
May	418	17,300	2,720	60,800	3,840	50,500	335	2,900	141	6,300
June:										
Australia	6	285	--	--	28	594	--	--	--	--
Austria	1	48	1	18	4	24	--	--	--	--
Belgium	3	51	11	899	4	24	--	--	--	--
Brazil	--	--	--	--	18	379	--	--	--	--
Canada	16	619	--	--	346	4,490	(4)	5	(4)	4
China	6	189	21	1,040	101	2,020	(4)	3	11	605
Colombia	(4)	5	--	--	5	101	--	--	--	--
Costa Rica	1	37	--	--	2	15	3	52	--	--
France	5	91	--	--	25	229	--	--	--	--
Georgia	--	--	3	115	--	--	--	--	--	--
Germany	291	13,600	271	5,030	712	13,300	--	--	--	--
Hong Kong	5	204	--	--	99	1,340	5	115	2	237
India	22	996	--	--	158	848	--	--	--	--
Ireland	17	669	--	--	18	140	1	3	--	--
Israel	3	68	--	--	245	1,270	--	--	--	--
Italy	3	188	9	261	81	1,380	--	--	10	400
Japan	153	5,510	126	4,360	96	2,320	3	55	--	--
Korea, Republic of	95	4,390	--	--	472	9,250	7	190	--	--
Laos	3	158	--	--	--	--	--	--	--	--
Malaysia	1	47	--	--	1	10	--	--	--	--
Mexico	90	3,160	--	--	35	268	--	--	(4)	8
Netherlands	(4)	20	--	--	2	19	--	--	--	--
New Zealand	(4)	9	--	--	3	97	--	--	--	--
Norway	5	84	--	--	1	24	--	--	--	--
Philippines	(4)	3	--	--	--	--	--	--	--	--
Poland	(4)	10	--	--	2	4	--	--	--	--
Singapore	3	126	--	--	6	71	40	427	--	--
South Africa	--	--	48	1,430	2	23	--	--	--	--
Sweden	1	35	--	--	(4)	4	--	--	--	--
Switzerland	(4)	12	966	16,600	14	405	(4)	9	--	--
Taiwan	7	276	--	--	109	1,840	21	98	--	--
Thailand	4	252	--	--	18	725	--	--	--	--
United Arab Emirates	3	100	--	--	2	45	--	--	--	--
United Kingdom	48	1,600	1,680	49,300	144	2,560	22	526	--	--
Other	2	48	--	--	29	134	--	--	--	--
Total	795	32,800	3,140	79,000	2,780	43,900	102	1,480	22	1,250
January–June	4,320	193,000	23,300	425,000	18,900	255,000	827	8,850	392	19,100

-- Zero.

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

²Unwrought and other forms.

³Gross weight.

⁴Less than ½ unit.

Source: U.S. Census Bureau.