



# Mineral Industry Surveys

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## PLATINUM-GROUP METALS IN SEPTEMBER 2007

According to Platts Metals Week, the September average price of platinum increased 4% as compared with that of August, and the palladium price decreased 2% over the same time period. The September average ruthenium price decreased

slightly as compared with that of August. The iridium price has not changed since February 13, remaining at \$450 per troy ounce. The rhodium September average price was 2% higher than the August average price.

TABLE 1  
PLATINUM-GROUP METALS PRICES<sup>1</sup>

(Dollars per troy ounce)

	Platinum	Palladium	Rhodium	Iridium	Ruthenium
<b>2006:</b>					
Low/date	985.00 Jan. 3	263.00 Jan. 5	3,000.00 Jan. <sup>2</sup>	195.00 Jan. <sup>2</sup>	87.00 Jan. <sup>2</sup>
High/date	1,360.00 Nov. 21	407.00 May 12	6,000.00 Dec. 19 and 20	400.00 May-Dec. <sup>2</sup>	400.00 Dec. 29
Average	1,144.42	322.93	4,561.06	349.45	193.09
<b>2007:</b>					
<b>July:</b>					
Low/date	1,272.00/30	363.00/27	5,970.00/18	450.00 <sup>2</sup>	375.00 <sup>2</sup>
High/date	1,336.00/20	373.00/20 and 23	6,200.00/2	450.00 <sup>2</sup>	425.00/2
Average	1,307.38	368.67	6,048.81	450.00	385.95
<b>August:</b>					
Low/date	1,244.00/22 and 24	322.00/22	6,025.00/1	450.00 <sup>2</sup>	450.00/1
High/date	1,297.00/6	369.00/2	6,175.00/31	450.00 <sup>2</sup>	490.00 <sup>2</sup>
Average	1,267.30	344.61	6,106.09	450.00	485.43
<b>September:</b>					
Low/date	1,273.00/4	333.00/14 and 17	6,125.00/26 and 27	450.00 <sup>2</sup>	475.00 <sup>2</sup>
High/date	1,384.00/28	347.00/28	6,250.00/17, 18, 19	450.00 <sup>2</sup>	520.00/27 and 28
Average	1,313.00	337.63	6,200.00	450.00	483.95
<b>Year-to-date:</b>					
Low/date	1,122.00 Jan. 8	322.00 Aug. 22	5,550.00 Jan. <sup>2</sup>	400.00 Jan. <sup>2</sup> and Feb. <sup>2</sup>	375.00 Jul. <sup>2</sup>
High/date	1,384.00 Sep. 28	385.00 Apr. 20	6,525.00 Apr. 16	450.00 Feb.-Sep. <sup>2</sup>	870.00 Feb. <sup>2</sup>
Average	1,260.60	355.26	6,079.21	442.57	595.26

<sup>1</sup>Quotes from Engelhard Industries.

<sup>2</sup>Occured multiple days in month(s) listed.

Source: Platts Metals Week.

TABLE 2  
U.S. IMPORTS FOR CONSUMPTION OF PLATINUM METAL, BY COUNTRY<sup>1</sup>

(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)
2006	234	\$7,320	58,100	\$2,070,000	7,570	\$279,000	8,540	\$233,000	94,100	\$291,000	65	\$881
2007:												
June	89	3,730	4,660	190,000	68	2,220	948	30,300	24,100	38,100	--	--
July	2	91	5,730	237,000	947	39,600	660	19,300	12,100	25,600	(2)	5
August:												
Australia	--	--	--	--	--	--	--	--	--	--	(2) <sup>3</sup>	6
Belgium	--	--	630	26,000	--	--	--	--	--	--	--	--
Bolivia	--	--	--	--	--	--	--	--	2,070 <sup>3</sup>	133	--	--
Brazil	--	--	--	--	--	--	--	--	2,320 <sup>3</sup>	2,830	--	--
Canada	2	80	--	--	--	--	71	2,630	32 <sup>3</sup>	1,620	--	--
Chile	--	--	--	--	--	--	--	--	4,900 <sup>3</sup>	408	--	--
China	--	--	--	--	--	--	--	--	6,380 <sup>3</sup>	1,560	--	--
Colombia	--	--	--	--	7	280	--	--	36	1,320	--	--
Dominican Republic	--	--	--	--	--	--	--	--	1 <sup>3</sup>	7	--	--
France	--	--	--	--	--	--	--	--	11	356	--	--
Germany	--	--	1	48	4	107	494 <sup>3</sup>	11,300	7,370	21,600	(2) <sup>3</sup>	7
Hong Kong	--	--	--	--	--	--	--	--	19	915	--	--
Italy	19	780	28	1,160	--	--	--	--	--	--	--	--
Japan	--	--	--	--	2	53	1 <sup>3</sup>	8	6	203	--	--
Jordan	--	--	--	--	--	--	--	--	176	363	--	--
Korea, Republic of	--	--	--	--	--	--	(2)	8	29 <sup>3</sup>	1,420	--	--
Mexico	--	--	--	--	4	159	--	--	--	--	--	--
Morocco	--	--	--	--	--	--	--	--	4	10	--	--
Norway	--	--	54	2,210	--	--	--	--	--	--	--	--
Panama	--	--	--	--	--	--	--	--	4 <sup>3</sup>	29	--	--
Philippines	--	--	--	--	--	--	--	--	9 <sup>3</sup>	180	--	--
Russia	--	--	69	2,860	--	--	--	--	--	--	--	--
South Africa	--	--	4,330	177,000	16	656	48	2,000	--	--	--	--
Switzerland	--	--	--	--	--	--	58 <sup>3</sup>	2,230	--	--	--	--
United Kingdom	(2)	8	1,340	54,800	2 <sup>3</sup>	28	118 <sup>3</sup>	3,450	(2)	20	--	--
Venezuela	--	--	--	--	--	--	--	--	981 <sup>3</sup>	73	--	--
Other	--	--	--	--	--	--	--	--	--	--	--	--
Total	21	868	6,450	265,000	33	1,280	790	21,600	24,300	33,100	(2)	14
Year to date	522	16,500	46,700	1,830,000	3,420	126,000	7,050	220,000	128,000	303,000	42	545

-- Zero.

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

<sup>2</sup>Less than ½ unit.

<sup>3</sup>All or part of these data have been referred to the U.S. Census Bureau for verification.

Source: U.S. Census Bureau.

TABLE 3  
U.S. IMPORTS FOR CONSUMPTION OF PLATINUM-GROUP METALS, BY COUNTRY<sup>1</sup>

(Kilograms metal content, unless otherwise specified)

Period and country	Unwrought palladium		Palladium, other		Iridium <sup>2</sup>		Unwrought osmium		Unwrought ruthenium		Rhodium <sup>3</sup>	
	Quantity	Value (thousands)	Quantity	Value (thousands)	Quantity	Value (thousands)	Quantity	Value (thousands)	Quantity	Value (thousands)	Quantity	Value (thousands)
2006	100,000	\$967,000	19,000	\$141,000	2,800	\$30,100	56	\$487	36,000	\$187,000	15,900	\$1,920,000
2007:												
June	6,310	71,500	847	8,850	277	3,920	12	119	2,060	33,200	1,580	205,000
July	9,630	111,000	929	10,800	330	3,090	--	--	3,360	36,900	1,740	231,000
August:												
Belgium	651	7,080	--	--	--	--	--	--	--	--	96	14,300
Germany	30 <sup>4</sup>	12	26 <sup>4</sup>	290	125 <sup>4</sup>	184	--	--	1,510	18,300	47 <sup>4</sup>	8,090
Italy	72	850	1 <sup>4</sup>	11	--	--	--	--	--	--	1 <sup>4</sup>	44
Japan	60 <sup>4</sup>	244	27 <sup>4</sup>	140	(5) <sup>4</sup>	4	--	--	111	1,440	--	--
Norway	187 <sup>4</sup>	537	--	--	--	--	--	--	--	--	5	948
Russia	2,950	30,500	426	4,900	--	--	--	--	272 <sup>4</sup>	4,100	149	29,000
South Africa	3,530	32,600	9	111	129	1,690	--	--	4,270	47,700	1,060	157,000
Switzerland	--	--	21	359	--	--	--	--	--	--	--	--
United Kingdom	2,360	26,400	(5) <sup>4</sup>	2	40	586	--	--	510	7,950	280 <sup>4</sup>	53,000
Total	9,840	98,200	512	5,820	294	2,460	--	--	6,670	79,500	1,640	263,000
Year to date	66,700	740,000	6,740	77,000	2,460	30,300	23	189	29,000	397,000	11,900	1,790,000

➤ -- Zero.

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

<sup>2</sup>Unwrought and other forms of iridium.

<sup>3</sup>Unwrought and other forms of rhodium.

<sup>4</sup>All or part of these data have been referred to the U.S. Census Bureau for verification.

<sup>5</sup>Less than ½ unit.

Source: U.S. Census Bureau.

TABLE 4  
U.S. EXPORTS OF PLATINUM-GROUP METALS, BY COUNTRY<sup>1</sup>

(Kilograms of metal content, unless otherwise specified)

Period and country	Platinum <sup>2</sup>		Platinum waste and scrap		Palladium <sup>2</sup>		Iridium, osmium, and ruthenium <sup>2,3</sup>		Rhodium <sup>2</sup>	
	Quantity	Value (thousands)	Quantity	Value (thousands)	Quantity	Value (thousands)	Quantity	Value (thousands)	Quantity	Value (thousands)
2006	45,500	\$1,170,000	29,400	\$594,000	53,100	\$402,000	3,390	\$35,800	1,600	\$108,000
2007:										
June	3,000	62,700	2,810	72,900	2,640 <sup>r</sup>	16,400 <sup>r</sup>	366	5,030	92	17,600
July	3,500 <sup>r</sup>	65,700 <sup>r</sup>	5,030	73,100	3,160	23,300	89	1,020	205	39,700
August:										
Australia	247 <sup>4</sup>	10,200	--	--	84 <sup>4</sup>	812	--	--	--	--
Belgium	9 <sup>4</sup>	234	--	--	16 <sup>4</sup>	44	--	--	--	--
Brazil	58	1,630	3	135	9	60	--	--	(5)	7
Canada	121 <sup>4</sup>	2,740	242 <sup>4</sup>	2,310	681 <sup>4</sup>	4,180	7 <sup>4</sup>	73	--	--
China	123 <sup>4</sup>	3,390	--	--	115	1,350	--	--	(5)	12
Colombia	(5)	5	--	--	2	34	--	--	23	4,560
France	2 <sup>4</sup>	29	--	--	66 <sup>4</sup>	228	20	340	--	--
Germany	376 <sup>4</sup>	7,800	1,330 <sup>4</sup>	16,300	289 <sup>4</sup>	2,370	15 <sup>4</sup>	181	--	--
Hong Kong	18 <sup>4</sup>	409	1 <sup>4</sup>	10	85 <sup>4</sup>	916	78 <sup>4</sup>	1,190	19	434
India	13	364	--	--	--	--	1 <sup>4</sup>	44	--	--
Ireland	35 <sup>4</sup>	606	--	--	7 <sup>4</sup>	15	--	--	--	--
Israel	(5) <sup>4</sup>	6	--	--	374 <sup>4</sup>	904	--	--	--	--
Japan	500 <sup>4</sup>	13,400	297	13,900	916 <sup>4</sup>	10,200	95 <sup>4</sup>	1,510	179	34,500
Saudi Arabia	--	--	--	--	10 <sup>4</sup>	123	--	--	--	--
Singapore	2 <sup>4</sup>	37	--	--	7 <sup>4</sup>	87	693	11,500	--	--
Spain	1 <sup>4</sup>	10	--	--	23 <sup>4</sup>	118	--	--	--	--
Switzerland	377 <sup>4</sup>	6,850	--	--	15 <sup>4</sup>	199	--	--	--	--
Taiwan	339 <sup>4</sup>	6,410	--	--	154 <sup>4</sup>	805	--	--	--	--
United Kingdom	385 <sup>4</sup>	9,630	1,120	29,300	1,130 <sup>4</sup>	4,780	5	71	--	--
Other	24 <sup>4</sup>	518	--	--	60 <sup>4</sup>	595	3 <sup>4</sup>	50	(5) <sup>4</sup>	39
Total	2,630	64,300	3,000	62,000	4,040	27,800	916	15,000	222	39,500
Year to date	19,500	479,000	37,100	637,000	29,700	218,000	5,490	102,000	1,470	280,000

<sup>r</sup>Revised. -- Zero.

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

<sup>2</sup>Unwrought and other forms.

<sup>3</sup>Gross weight.

<sup>4</sup>All or part of these data have been referred to the U.S. Census Bureau for verification.

<sup>5</sup>Less than ½ unit.

Source: U.S. Census Bureau.