Mineral Industry Surveys

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CHROMIUM IN MARCH 2000

Consumption of chromium ferroalloys and metal in March 2000 increased 7% compared with revised consumption in February 2000.

Included in this Mineral Industry Surveys are U.S. salient chromium statistics, U.S. Government stockpile inventory of chromium materials for March 2000, U.S. consumption by end use and consumer stocks of chromium ferroalloys and metal for March 2000, U.S. foreign trade data for February 2000, and chromite ore prices.

Update

The Defense National Stockpile Center announced revisions to fiscal year (FY) 2000 (October 1, 1999, through September 30, 1999) Annual Materials Plan. Among chromium materials, only the chromium metal quantity available for sale was revised.

Fiscal Year 2000 Annual Materials Plan (metric tons, gross weight)		
	Maximum quantity that may be sold	
Material	FY 2000	FY 2000 revised
Chromite ore:		
Chemical	90,719	90,719
Metallurgical	226,796	226,796
Refractory	90,719	90,719
Chromium ferroalloy	136,078	136,078
Chromium metal	0	454

The Defense National Stockpile Center issued Solicitation of Offers for Chromium Metal DLA-CHROMIUM METAL-001. The solicitation offers about 168 metric tons of the 454 tons of metal on the Annual Materials Plan. All of the material offered for sale was located at Curtis Bay, Maryland. Copies of the solicitation may be obtained by contacting Ms. Kerri Chambers at (703) 767-5498 or from the DNSC web site at www.dnsc.dla.mil and clicking on “Products and Services,” then “Sales and Solicitation.”

TABLE 1
U.S. SALIENT CHROMIUM STATISTICS 1/

(Metric tons, gross weight)

	1999			2000			
	December	Fourth quarter	January-December 2/	January	February	March	January-March 2/
Production:							
Stainless steel production 3/	(4/)	565,000	2,190,000	(4/)	(4/)	(4/)	NA
Components of U.S. supply:							
Stainless steel scrap receipts	78,900	218,000	696,000	72,600	75,500	74,500	223,000
Stainless steel scrap consumption	112,000	349,000	1,140,000	100,000	104,000	117,000	321,000
Imports for consumption:							
Chromite ore	37,000	66,900	252,000	13,200	41,200	NA	54,400 5/
Chromium ferroalloys:							
High-carbon ferrochromium	37,100	121,000	562,000	68,300	56,900	NA	125,000 5/
Medium-carbon ferrochromium	--	--	3,000	--	--	NA	-- 5/
Low-carbon ferrochromium	2,650	10,900	39,000	--	--	NA	-- 5/
Ferrochromium silicon	6,600	17,300	36,000	4,300	3,530	NA	7,830 5/
Total ferroalloy imports	46,400	149,000	640,000	72,600	60,400	NA	133,000 5/
Chromium metal 6/	1,110	2,810	9,050 r/	504	598	NA	1,100 5/
Stainless steel	93,400	273,000	941,000	79,000	78,500	NA	158,000 5/
Stainless steel scrap	8,050	36,500	66,100	6,680	8,220	NA	14,900 5/
Distribution of U.S. supply:							
Consumption:							
Chromite ore	W	W	W	W	W	W	W
Chromium ferroalloys & metal	31,900	91,500	363,000	29,000 r/	29,700 r/	31,800	90,500
Exports:							
Chromite ore	22,200	55,100	110,000	993	39,300	NA	40,300 5/
Chromium ferroalloys:							
High-carbon ferrochromium	172	967	4,250	119	257	NA	376 5/
Low-carbon ferrochromium	193	383	1,290	73	107	NA	180 5/
Ferrochromium silicon	10	29	250	--	19	NA	19 5/
Total ferroalloy exports	376	1,380	5,790	192	384	NA	575 5/
Chromium metal	180	724	2,370	35	103	NA	138 5/
Stainless steel	18,200	60,300	216,000	20,800	21,800	NA	42,600 5/
Stainless steel scrap	31,000	77,200	260,000	27,100	16,300	NA	43,500 5/
Stocks at end of period:							
Industry:							
Chromite ore	130,000	130,000	XX	113,000	W	W	XX
Chromium ferroalloys and metal, consumer	23,400	23,400	XX	24,500	21,300	17,100	XX
Government stockpile:							
Chromite ore	820,000	820,000	XX	820,000	820,000	820,000	XX
Chromium ferroalloys	973,000	973,000	XX	973,000	973,000	973,000	XX
Chromium metal	7,720	7,720	XX	7,720	7,720	7,720	XX

NA Not available. W Withheld to avoid disclosing company proprietary data. XX Not applicable. -- Zero.
1/ Data are rounded to no more than three significant digits; may not add to totals shown.
2/ Includes revised data from previous months.
3/ Data on stainless steel production from American Iron and Steel Institute, quarterly production of stainless and heat-resisting raw steel.
4/ Data not reported monthly.
5/ Includes data for January through February; March data not available.
6/ Includes waste and scrap and other.

TABLE 2
U.S. CONSUMPTION, BY END USE, AND CONSUMER STOCKS OF
CHROMIUM FERROALLOYS AND METAL IN MARCH 2000 1/

(Metric tons, gross weight unless otherwise noted)

End use	Ferrochromium					January through March total 2/
	Low-carbon	High- and medium-carbon	Ferro-chromium silicon	Other	Total	
Steel:						
Carbon	316	191	(3/)	--	506	1,390
Stainless and heat resisting	999	23,000	3,100	(3/)	27,100	70,400
Full alloy	401	1,800	135	(3/)	2,330	6,640
High-strength low-alloy and electric	190	W	(3/)	(3/)	190	548
Tool	(3)	W	--	--	W	W
Cast irons	(3)	234	(3/)	--	234	607
Superalloys	172	402	(3/)	313	887	2,510
Alloys:						
Welding materials 4/	--	W	--	(3/)	W	W
Other alloys 5/	15	W	--	69	84	253
Miscellaneous and unspecified	(3)	466	(3/)	(3/)	466	8,240
Total: 6/ gross weight	2,090	26,100	3,230	382 7/	31,800	90,500
Chromium content	1,420	15,200	1,100	357	18,100	52,200
Stocks, March 31, 2000	1,930	14,000	901	292 8/	17,100	XX
January through March: 2/						
Total	5,770	73,600	9,920	1,290 9/	90,500	90,500
Chromium content	3,870	43,800	3,400	1,160	52,200	52,200

W Withheld to avoid disclosing company proprietary data; included with "Miscellaneous and unspecified." XX Not applicable. -- Zero.
1/ Data are rounded to no more than three significant digits; may not add to totals shown.
2/ Includes revised data from previous months.
3/ Withheld to avoid disclosing company proprietary data.
4/ Includes structural and hard-facing materials.
5/ Includes magnetic, aluminum, copper, nickel, and other alloys.
6/ Includes estimates.
7/ Includes 318 tons of chromium metal.
8/ Includes 210 tons of chromium metal.
9/ Includes 1,070 tons of chromium metal.

TABLE 3
U.S. GOVERNMENT STOCKPILE INVENTORY 1/ OF CHROMIUM MATERIALS 2/

(Metric tons)

Period	Chromite ore			Chromium ferroalloys			Chromium metal	
	Chemical	Metal-lurgical	Refractory	High-carbon ferro-chromium	Low-carbon ferro-chromium	Ferro-chromium silicon	Alumino-thermic	Electrolytic
1999:								
March	211,000	387,000	287,000	645,000	278,000	50,700	2,670	5,050
April	211,000	387,000	287,000	645,000	278,000	50,700	2,670	5,050
May	211,000	387,000	287,000	645,000	278,000	50,700	2,670	5,050
June	211,000	387,000	287,000	645,000	278,000	50,700	2,670	5,050
July	206,000	360,000	285,000	645,000	278,000	50,700	2,670	5,050
August	206,000	360,000	285,000	645,000	278,000	50,700	2,670	5,050
September	205,000	340,000	274,000	645,000	278,000	50,700	2,670	5,050
October	205,000	340,000	274,000	645,000	278,000	50,700	2,670	5,050
November	205,000	340,000	274,000	645,000	278,000	50,700	2,670	5,050
December	205,000	340,000	274,000	645,000	278,000	50,700	2,670	5,050
2000:								
January	205,000	340,000	274,000	645,000	278,000	50,700	2,670	5,050
February	205,000	340,000	274,000	645,000	278,000	50,700	2,670	5,050
March	205,000	340,000	274,000	645,000	278,000	50,700	2,670	5,050

1/ Includes specification and non-specification grade materials and materials set aside for disposal but not yet shipped.
2/ Data are rounded to no more than three significant digits.

Source: Defense National Stockpile Center.

TABLE 4
U.S. EXPORTS OF CHROMITE ORE, CHROMIUM FERROALLOYS AND METAL 1/

Period	Chromite ore		Chromium ferroalloys 2/			Chromium metal 3/	
	Gross weight (metric tons)	Value (thousands)	Gross weight (metric tons)	Chromium content (metric tons)	Value (thousands)	Gross weight (metric tons)	Value (thousands)
1999:							
February	403	$126	364	209	$350	117	$1,240
March	1,600	629	482	290	493	55	691
April	16,800	1,100	462	290	391	190	2,020
May	1,210	522	503	296	564	183	1,310
June	15,600	873	560	330	451	128	1,370
July	16,100	845	487	294	366	252	1,830
August	1,700	1,180	268	161	276	293	1,250
September	879	521	794	479	546	333	1,720
October	32,600	1,360	519	278	464	330	2,040
November	349	123	486	293	371	214	1,380
December	22,200	1,080	376	222	303	180	1,490
January-December	110,000	8,580	5,790	3,420	4,980	2,370	17,100
2000:							
January	993	263	192	117	191	35	414
February	39,300	2,220	384	225	415	103	1,130
January-February	40,300	2,480	575	342	605	138	1,550

1/ Data are rounded to no more than three significant digits; may not add to totals shown.
2/ Includes low-, medium-, and high-carbon ferrochromium, and ferrochromium-silicon.
3/ Includes wrought and unwrought and waste and scrap.

Source: Bureau of the Census.

TABLE 5
U.S. IMPORTS FOR CONSUMPTION OF CHROMITE ORE, FERROCHROMIUM, AND CHROMIUM METAL 1/

(Metric tons)

	1999		2000		
	December	January-December	January	February	January-February
Chromite ore:					
Not more than 40% chromic oxide:					
Gross weight	91	25,500	60	60	120
Chromic oxide content	53	4,410	24	23	47
More than 40% but less than 46% chromic oxide:					
Gross weight	27	69	2,960	27	2,980
Chromic oxide content	12	29	1,360	12	1,370
46% or more chromic oxide:					
Gross weight	36,900	226,000	10,200	41,200	51,300
Chromic oxide content	17,800	113,000	4,790	19,400	24,200
Total, all grades:					
Gross weight	37,000	252,000	13,200	41,200	54,400
Chromic oxide content	17,900	117,000	6,170	19,400	25,600
Ferrochromium:					
Low-carbon: 2/					
Gross weight	2,650	39,000	--	--	--
Chromium content	1,730	26,100	--	--	--
Medium-carbon: 3/					
Gross weight	--	3,000	--	--	--
Chromium content	--	1,950	--	--	--
High-carbon: 4/					
Gross weight	37,100	562,000	68,300	56,900	125,000
Chromium content	19,400	331,000	41,200	33,200	74,400
Total, all grades					
Gross weight	39,800	604,000	68,300	56,900	125,000
Chromium content	21,100	359,000	41,200	33,200	74,400
Chromium metal:					
Other than waste and scrap	1,110	9,040	504 r/	598	1,100
Waste and scrap	--	18	-- r/	--	--
Total, all grades	1,110	9,060	504	598	1,100

r/ Revised. -- Zero.
1/ Data are rounded to no more than three significant digits; may not add to totals shown.
2/ Ferrochromium containing not more than 3% carbon.
3/ Ferrochromium containing more than 3% carbon but not more than 4% carbon.
4/ Ferrochromium containing more than 4% carbon.

Source: Bureau of the Census.

TABLE 6
U.S. IMPORTS FOR CONSUMPTION OF CHROMITE ORE IN FEBRUARY 2000, BY GRADE AND BY COUNTRY 1/

Grade and country	February Gross weight (metric tons)	February Cr_2O_3 (metric tons)	February Value 2/ (thousands)	January-February Gross weight (metric tons)	January-February Cr_2O_3 (metric tons)	January-February Value 2/ (thousands)
Not more than 40% chromic oxide:						
Canada	60	23	$30	120	47	$62
More than 40% but less than 46% chromic oxide:						
South Africa	27	12	3	2,980	1,370	197
46% or more chromic oxide:						
Italy	--	--	--	12	6	2
South Africa	41,200	19,400	2,680	51,300	24,200	3,570
Total	41,200	19,400	2,680	51,300	24,200	3,580
Total, all grades:						
Canada	60	23	30	120	47	62
Italy	--	--	--	12	6	2
South Africa	41,200	19,400	2,690	54,300	25,600	3,770
Total	41,200	19,400	2,720	54,400	25,600	3,840

-- Zero.
1/ Data are rounded to no more than three significant digits; may not add to totals shown.
2/ Customs import value generally represents a value in the foreign country and therefore excludes U.S. import duties, freight, insurance and other charges incurred in bringing the merchandise to the United States.

Source: Bureau of the Census.

TABLE 7
U.S. IMPORTS FOR CONSUMPTION OF FERROCHROMIUM IN FEBRUARY 2000, BY GRADE AND BY COUNTRY 1/

Grade and country	February Gross weight (metric tons)	February Chromium content (metric tons)	February Value 2/ (thousands)	January-February Gross weight (metric tons)	January-February Chromium content (metric tons)	January-February Value 2/ (thousands)
High-carbon ferrochromium: 3/						
China	34	22	$27	69	45	$54
Kazakhstan	20,200	13,700	9,000	37,900	25,800	17,400
Russia	1,910	1,300	1,440	2,290	1,570	1,680
South Africa	30,800	15,700	11,500	50,200	25,400	17,800
Turkey	--	--	--	30,800	19,100	13,400
Zimbabwe	3,970	2,450	2,040	3,970	2,450	2,040
Total	56,900	33,200	24,000	125,000	74,400	52,300

-- Zero.
1/ Data are rounded to no more than three significant digits; may not add to totals shown.
2/ Customs import value generally represents a value in the foreign country and therefore excludes U.S. import duties, freight, insurance and other charges incurred in bringing the merchandise to the United States.
3/ Ferrochromium containing more than 4% carbon.

Source: Bureau of the Census.

TABLE 8
U.S. IMPORTS FOR CONSUMPTION OF CHROMIUM METAL IN
FEBRUARY 2000, BY GRADE AND BY COUNTRY 1/

Grade and country	February Gross weight (metric tons)	February Value 2/ (thousands)	January-February Gross weight (metric tons)	January-February Value 2/ (thousands)
Other than waste and scrap:				
China	144	$652	285	$1,150
France	145	1,090	331	2,590
Germany	5	84	5	120
Japan	2	61	2	61
Portugal	--	--	(3/)	8
Russia	134	640	154	802
Switzerland	(3/)	4	(3/)	10
Taiwan	(3/)	3	(3/)	3
United Kingdom	169	1,340	325	2,530
Total	598	3,880	1,100	7,270

-- Zero.
1/ Data are rounded to no more than three significant digits; may not add to totals shown.
2/ Customs import value generally represents a value in the foreign country and therefore excludes U.S. import duties, freight, insurance and other charges incurred in bringing the merchandise into the United States.
3/ Less than 1/2 unit.

Source: Bureau of the Census.

TABLE 9
U.S. TRADE OF STAINLESS STEEL, BY PRODUCT, IN FEBRUARY 2000 1/

Stainless steel product	February Gross weight (metric tons)	February Value 2/ (thousands)	January-February Gross weight (metric tons)	January-February Value 2/ (thousands)
Exports:				
Ingot	588	$3,170	1,190	5,480
Flat-rolled (width > 600mm)	7,640	18,300	14,900	35,300
Flat-rolled (width < 600mm)	6,760	17,100	14,800	33,600
Bars & rods in irregular coils	177	452	338	830
Other bars and rods	2,750	8,760	4,420	17,000
Wire	891	5,220	1,680	9,670
Tubes, pipes, & hollow profiles	3,030	11,100	5,240	22,000
Total	21,800	64,000	42,600	124,000
Stainless steel scrap	16,300	11,400	43,500	30,100
Total	38,200	75,500	86,100	154,000
Imports:				
Ingot	22,100	27,600	40,800	52,800
Flat-rolled (width > 600mm)	29,700	52,400	60,400	104,000
Flat-rolled (width < 600mm)	3,440	10,700	6,800	20,900
Bars & rods in irregular coils	5,350	9,570	12,600	22,400
Other bars and rods	10,400	23,000	21,500	47,700
Wire	2,320	8,060	4,450	15,700
Tubes, pipes, & hollow profiles	5,100	18,000	11,000	39,300
Total	78,500	149,000	158,000	303,000
Stainless steel scrap	8,220	4,960	14,900	9,930
Total	86,700	154,000	172,000	313,000

1/ Data are rounded to no more than three significant digits; may not add to totals shown.
2/ Export value is Free Alongside Ship (FAS). Import value is customs import value, which generally represents a value in the foreign country and therefore excludes U.S. import duties, freight, insurance and other charges incurred in bringing the merchandise to the United States.

Source: Bureau of the Census.

TABLE 10
CHROMITE ORE PRICES

(Dollars per metric ton, gross weight unless otherwise noted)

Week ending	South Africa 1/						Kazakhstan 2/	
	1	2	3	4	5	6	1	2
1999:								
04/02	60 - 65	63 - 68	65 - 70	75 - 80	100 - 120	65	110 - 120	135 - 140
04/09	60 - 65	63 - 68				65	110 - 120	135 - 140
04/16	60 - 65	63 - 68				65	110 - 120	135 - 140
04/23	60 - 65	63 - 68				65	110 - 120	135 - 140
04/30	60 - 65	63 - 68				65	110 - 120	135 - 140
05/07	60 - 65	63 - 68	65 - 70	75 - 80	100 - 120	70	110 - 120	135 - 140
05/14	60 - 65	63 - 68				70	110 - 120	135 - 140
05/21	60 - 65	63 - 68				70	110 - 120	135 - 140
05/28	60 - 65	63 - 68				70	110 - 120	135 - 140
06/04	60 - 65	63 - 68				70	110 - 120	135 - 140
06/11	60 - 65	63 - 68	65 - 70	75 - 80	100 - 120	70	110 - 120	135 - 140
06/18	60 - 65	63 - 68				70	110 - 120	135 - 140
06/25	60 - 65	63 - 68				70	110 - 120	135 - 140
07/02	60 - 65	63 - 68	65 - 70	75 - 80	100 - 120	70	110 - 120	135 - 140
07/09	60 - 65	63 - 68				70	110 - 120	135 - 140
07/16	60 - 65	63 - 68				70	110 - 120	135 - 140
07/23	60 - 65	63 - 68				70	110 - 120	135 - 140
07/30	60 - 65	63 - 68				70	110 - 120	135 - 140
08/06	60 - 65	65 - 70	65 - 70	75 - 80	100 - 120	75	110 - 120	135 - 140
08/13	60 - 65	65 - 70				80	110 - 120	135 - 140
08/20	60 - 65	65 - 70				80	110 - 120	135 - 140
08/27	60 - 65	65 - 70				80	110 - 120	135 - 140
09/03	60 - 65	65 - 70	65 - 70	75 - 80	100 - 120	80	110 - 120	135 - 140
09/10	60 - 65	65 - 70				80	110 - 120	135 - 140
09/17	60 - 65	65 - 70				80	110 - 120	135 - 140
09/24	60 - 65	65 - 70				80	110 - 120	135 - 140
10/01	60 - 65	65 - 70	55 - 70	75 - 80	100 - 120	80	110 - 120	135 - 140
10/08	60 - 65	65 - 70				80	110 - 120	135 - 140
10/15	60 - 65	55 - 70				80	110 - 120	135 - 140
10/22	60 - 65	55 - 70				80	110 - 120	135 - 140
10/29	60 - 65	55 - 70				80	110 - 120	135 - 140
11/05	60 - 65	55 - 70	55 - 70	75 - 80	100 - 120	80	110 - 120	135 - 140
11/12	60 - 65	55 - 70				80	110 - 120	135 - 140
11/19	60 - 65	55 - 70				80	110 - 120	135 - 140
11/26	60 - 65	55 - 70				80	110 - 120	135 - 140
12/03	60 - 65	55 - 70	50 - 70	75 - 80	100 - 120	80	110 - 120	135 - 140
12/10	60 - 65	55 - 70				80	110 - 120	135 - 140
12/17	60 - 65	50 - 70				80	110 - 120	135 - 140
12/24	60 - 65	50 - 70				80	110 - 120	135 - 140
12/31	60 - 65	50 - 70				80	110 - 120	135 - 140
2000:								
01/07	60 - 65	50 - 70	50 - 70	75 - 80	100 - 120	NA	110 - 120	135 - 140
01/14	60 - 65	50 - 70				NA	110 - 120	135 - 140
01/21	60 - 65	50 - 70				NA	110 - 120	135 - 140
01/28	60 - 65	50 - 70				NA	110 - 120	135 - 140
02/04	60 - 65	50 - 70	48 - 70	65 - 80	100 - 120	NA	110 - 120	135 - 140
02/11	60 - 65	48 - 60				NA	110 - 120	135 - 140
02/18	60 - 65	48 - 60				NA	110 - 120	135 - 140
02/25	60 - 65	48 - 60				NA	110 - 120	135 - 140
03/03	60 - 65	48 - 60	48 - 70	65 - 80	100 - 120	NA	110 - 120	135 - 140
03/10	60 - 65	48 - 60				NA	110 - 120	135 - 140
03/17	60 - 65	48 - 60				NA	110 - 120	135 - 140
03/24	60 - 65	48 - 60				NA	110 - 120	135 - 140
03/31	60 - 65	48 - 60				NA	110 - 120	135 - 140
04/07	60 - 65	48 - 60	48 - 70	65 - 80	100 - 120	NA	110 - 120	135 - 140
04/14	60 - 65	48 - 60				NA	110 - 120	135 - 140
04/21	60 - 65	48 - 60				NA	110 - 120	135 - 140
04/28	60 - 65	48 - 60				NA	110 - 120	135 - 140

See footnotes at end of table.

TABLE 10--Continued
CHROMITE ORE PRICES

(Dollars per metric ton, gross weight unless otherwise noted)

Week ending	Turkey 3/ 1	2	3	4	5	Albania 4/	Philippines 5/	Sand 6/
1999:								
04/02	140 - 150	75 - 85	60	65	80 - 90	65 - 70	125 - 145	135 - 155
04/09	140 - 150	75 - 85	60	65	80 - 90	65 - 70		
04/16	140 - 150	75 - 85	60	65	80 - 90	65 - 70		
04/23	140 - 150	75 - 85	60	65	80 - 90	65 - 70		
04/30	140 - 150	75 - 85	60	65	80 - 90	65 - 70		
05/07	140 - 150	75 - 85	65	70	80 - 90	65 - 70	125 - 145	135 - 155
05/14	140 - 150	75 - 85	65	70	80 - 90	65 - 70		
05/21	140 - 150	75 - 85	65	70	80 - 90	65 - 70		
05/28	140 - 150	75 - 85	65	70	80 - 90	65 - 70		
06/04	140 - 150	75 - 85	65	70	80 - 90	65 - 70	125 - 145	135 - 155
06/11	140 - 150	75 - 85	65	70	80 - 90	65 - 70		
06/18	140 - 150	75 - 85	65	70	80 - 90	65 - 70		
06/25	140 - 150	75 - 85	65	70	80 - 90	65 - 70		
07/02	140 - 150	75 - 85	65	70	80 - 90	65 - 70	125 - 145	135 - 155
07/09	140 - 150	75 - 85	65	70	80 - 90	65 - 70		
07/16	140 - 150	75 - 85	65	70	80 - 90	65 - 70		
07/23	140 - 150	75 - 85	65	70	80 - 90	65 - 70		
07/30	140 - 150	75 - 85	65	70	80 - 90	65 - 70		
08/06	140 - 150	75 - 85	70	75	80 - 90	70 - 85	125 - 145	135 - 155
08/13	140 - 150	75 - 85	70	75	80 - 90	70 - 85		
08/20	140 - 150	75 - 85	75	80	80 - 90	75 - 85		
08/27	140 - 150	75 - 85	75	80	80 - 90	75 - 85		
09/03	140 - 150	75 - 85	75	80	80 - 90	75 - 80	125 - 145	135 - 155
09/10	140 - 150	75 - 85	75	80	80 - 90	75 - 80		
09/17	140 - 150	75 - 85	75	80	80 - 90	75 - 80		
09/24	140 - 150	75 - 85	75	80	80 - 90	75 - 80		
10/01	140 - 150	75 - 85	75	80	80 - 90	75 - 80	125 - 145	135 - 155
10/08	140 - 150	75 - 85	75	80	80 - 90	75 - 80		
10/15	140 - 150	75 - 85	75	80	80 - 90	75 - 80		
10/22	140 - 150	75 - 85	75	80	80 - 90	75 - 80		
10/29	140 - 150	75 - 85	75	80	80 - 90	75 - 80		
11/05	140 - 150	75 - 85	75	80	80 - 90	75 - 80	125 - 145	135 - 155
11/12	140 - 150	65 - 70	75	80	65 - 70	65 - 70		
11/19	140 - 150	65 - 70	75	80	65 - 70	65 - 70		
11/26	140 - 150	65 - 70	75	80	65 - 70	65 - 70		
12/03	140 - 150	65 - 70	75	80	65 - 70	65 - 70	125 - 145	135 - 155
12/10	140 - 150	65 - 70	75	80	65 - 70	65 - 70		
12/17	140 - 150	65 - 70	75	80	65 - 70	65 - 70		
12/24	140 - 150	65 - 70	75	80	65 - 70	65 - 70		
12/31	140 - 150	65 - 70	75	80	65 - 70	65 - 70		
2000:								
01/07	140 - 150	65 - 70	75	80	65 - 70	65 - 70	125 - 145	135 - 155
01/14	140 - 150	65 - 70	75	80	65 - 70	65 - 70		
01/21	140 - 150	65 - 70	75	80	65 - 70	65 - 70		
01/28	140 - 150	65 - 70	75	80	65 - 70	65 - 70		
02/04	140 - 150	65 - 70	75	80	65 - 70	65 - 70	125 - 145	135 - 155
02/11	140 - 150	65 - 70	75	80	65 - 70	65 - 70		
02/18	140 - 150	65 - 70	75	80	65 - 70	65 - 70		
02/25	140 - 150	65 - 70	75	80	65 - 70	65 - 70		
03/03	140 - 150	65 - 70	75	80	65 - 70	65 - 70	125 - 145	135 - 155
03/10	140 - 150	65 - 70	75	80	65 - 70	65 - 70		
03/17	140 - 150	65 - 70	75	80	65 - 70	65 - 70		
03/24	140 - 150	65 - 70	75	80	65 - 70	65 - 70		
03/31	140 - 150	65 - 70	75	80	65 - 70	65 - 70		
04/07	140 - 150	65 - 70	75	80	65 - 70	65 - 70	125 - 145	135 - 155
04/14	140 - 150	65 - 70	75	80	65 - 70	65 - 70		
04/21	140 - 150	65 - 70	75	80	65 - 70	65 - 70		
04/28	140 - 150	65 - 70	75	70	65 - 70	65 - 70		

See footnotes at end of table.

TABLE 10--Continued
CHROMITE ORE PRICES

1/ South Africa 1 (SA1) refers to chromite ore of 44% chromic oxide (Cr_2O_3) content, no specified chromium-to-iron ratio as reported by Platt's Metals Week (PMW); SA2 refers to 40% Cr_2O_3, friably lumpy, free on board (FOB) as reported by Metal Bulletin (MB); SA3 refers to chemical grade, 46% Cr_2O_3 , wet bulk, FOB as reported by Industrial Minerals (IM); SA4 refers to foundry grade, 45% Cr_2O_3, wet bulk, FOB as reported by IM; SA5 refers to refractory grade, 46% Cr_2O_3, wet bulk, FOB as reported by IM; SA6 refers to Transvaal ore as reported by Ryan's Notes (RN).
2/ Kazakhstan 1 (K1) refers to 40% - 41% Cr_2O_3 minimum (min.) FOB as reported by MB; K2 refers to 48% Cr_2O_3 min. FOB as reported by MB.
3/ Turkey 1 (T1) refers to 48% Cr_2O_3, 3:1 chromium-to-iron ratio as reported by PMW; T2 refers to 48% Cr_2O_3, 3:1 chromium-to-iron ratio, lumpy as reported by MB; T3 refers to 38% - 40% Cr_2O_3 as reported by RN; T4 refers to 44% Cr_2O_3 as reported by RN; T5 refers to 40% - 42% Cr_2O_3, 2.5-to-1 chromium-to-iron ratio as reported by MB.
4/ Albania refers to 42% - 47% Cr_2O_3 lumpy, min. FOB as reported by MB.
5/ Philippine refers to refractory grade, concentrates, FOB as reported by IM.
6/ Sand refers to molding grade, 98% under 30 mesh, delivered, valued in British pounds as reported by IM.