

# Mineral Industry Surveys

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## ALUMINUM IN JULY 2002

The reported domestic primary aluminum production in July was 237,840 metric tons (t). The average daily production rate was 7,672 t, 2% higher than that of the previous month and 11% above the rate for July 2001.

The monthly average U.S. market price of primary aluminum ingot decreased from 65.88 cents per pound in June to 65.19 cents per pound in July, according to Platts Metals Week. The American Metal Market buying price range for aluminum used beverage cans (UBCs) fluctuated during the month of July. On July 3, the price range increased by a half penny to 46.5 to 48.5 cents per pound. On July 17, the price range narrowed to 47 to 48.5 cents per pound. The buying price range then decreased several times during the latter half of the month; on July 23, 46 to 47.5 cents per pound; on July 24, 45 to 46.5 cents per pound; and on July 29, 44 to 46 cents per pound, where it remained through the end of the month. According to Resource Recycling's Container Recycling Report, the average monthly transaction price for aluminum UBCs decreased from 48.2 cents per pound in June to 47.1 cents per pound in July.

### U.S. Trade Through June

Total U.S. imports for consumption of aluminum for the first half of 2002 increased 11% compared with the total for the first half of 2001. An increase of 16% in crude metal and alloys imports and an 8% increase in mill products (plates, sheets, bars, etc.) imports were partially offset by a 9%

decrease in imports of aluminum scrap. Imports of aluminum ingot from Russia for the first 6 months of 2002 were approximately double those for the same period in 2001.

Total U.S. exports of aluminum for the first half of 2002, however, decreased by 1% compared with those for the same period in 2001.

### Update

The monthly average U.S. market price of primary aluminum ingot decreased from 65.19 cents per pound in July to 62.55 cents per pound in August. On August 12, the American Metal Market buying price range for aluminum UBCs narrowed to 44 to 45.5 cents per pound. On August 19, the buying price range increased slightly to 44.5 to 46 cents per pound where it remained through the end of the month.

### Publication of Interest

The Aluminum Association Inc. released its Aluminum Statistical Review for 2001. The text, tables, and charts provide annual figures on U.S. shipments, markets, supply, and foreign trade. Most of the data are presented in 11-year tables, and the publication includes a section on world aluminum statistics. Copies of the publication may be obtained by contacting the Association's Publications Department at 301-645-0756 or by ordering directly from the Association's web site, <<http://www.aluminum.org>>.

TABLE 1  
COMPONENTS OF ALUMINUM SUPPLY 1/

(Thousand metric tons)

Period	Primary production	Secondary recovery 2/			Imports for consumption			Total new supply 3/	Total stocks, end of period 4/
		New	Old	Total	Metals and alloys, crude	Plates, sheets, bars, etc.	Total		
2001: 5/	2,637	1,770 r/	1,210 r/	2,980 r/	2,560	683	3,240	8,860 r/	1,300
2001:									
July	214	152	109	262	201	55	257	733	1,450
August	212	166	110	276	198	57	254	742	1,420
September	206	159	106	265	252	56	308	779	1,390
October	214	172	112	284	220	58	278	777	1,360
November	208	152	106	258	248	57	305	771	1,310
December	205	133	94	227	227	44	271	703	1,300
January-July	1,592	1,100	730	1,830	1,420	411	1,830	5,250	1,450
2002:									
January	210	147	102	249	272	58	330	789	1,290
February	197	141	93	234	205	52	257	688	1,270
March	220	153	99	252	233	62	285	758	1,320
April	216	148	96	245	221	65	286	747	1,310
May	228	154	98	252	221	76	297	777	1,280
June	225	150 r/	95	245 r/	263	71	334	805	1,320
July	238	149	100	249	NA	NA	NA	NA	NA
January-July	1,535	1,040	684	1,730	NA	NA	NA	NA	NA

r/ Revised. NA Not available.

1/ Data are rounded to no more than three significant digits, except "Primary production"; may not add to totals shown.

2/ Metallic recovery from purchased, tolled, or imported scrap, expanded for full coverage of industry.

3/ Primary production, secondary recovery, and imports for consumption.

4/ Includes scrap; data from the Aluminum Association Inc.

5/ Includes monthly and annual data.

TABLE 2  
ESTIMATED FULL COVERAGE CONSUMPTION OF AND METALLIC RECOVERY FROM PURCHASED NEW AND OLD ALUMINUM SCRAP 1/

(Thousand metric tons)

Period	Secondary smelters		Integrated aluminum companies		Independent mill fabricators		Foundries		Other consumers		Total	
	Con-sump-tion	Metal recovery	Con-sump-tion	Metal recovery	Con-sump-tion	Metal recovery	Con-sump-tion	Metal recovery	Con-sump-tion	Metal recovery	Con-sump-tion	Metal recovery
2001: r/ 2/	1,810	1,350	946	823	765	706	98	88	13	13	3,630	2,980
2001:												
July	163	121	83	72	68	62	6	5	1	1	319	262
August	172	128	81	71	73	68	10	9	(3/)	(3/)	337	276
September	170	128	78	68	66	61	9	7	1	1	324	265
October	186	139	80	70	69	63	12	11	1	1	348	284
November	171	127	74	64	61	56	10	9	1	1	317	258
December	163	120	62	54	50	46	8	7	(3/)	(3/)	284	227
January-July	1,190	892	532	462	457	422	57	51	4	4	2,240	1,830
2002:												
January	150	111	80	69	62	57	11	10	1	1	303	249
February	146	108	69	60	61	56	11	10	1	1	287	234
March	152	113	79	69	64	60	11	10	1	1	307	252
April	150	112	71	62	63	58	13	12	1	1	298	245
May	152	113	73	63	68	63	13	12	(3/) r/	(3/) r/	307	252
June	150	112	65	56	70 r/	65 r/	12	11	(3/) r/	(3/) r/	298 r/	245 r/
July	150	112	66	56	75	69	12	11	(3/)	(3/)	303	249
January-July	1,050	782	503	435	463	429	83	76	4	4	2,100	1,730

r/ Revised.

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

2/ Includes monthly and annual data.

3/ Less than 1/2 unit.

TABLE 3  
CONSUMPTION OF AND RECOVERY FROM PURCHASED  
NEW AND OLD ALUMINUM SCRAP IN JULY 2002 1/

(Metric tons)

	Consumption		Calculated metallic recovery	
	Tabulated	Estimated	Tabulated	Estimated
	reports	full coverage	reports	full coverage
Secondary smelters	125,000	150,000	93,300	112,000
Integrated aluminum companies	65,800	65,800	56,400	56,400
Independent mill fabricators	62,100	74,500	57,400	68,900
Foundries	10,000	12,100	9,370	11,200
Other consumers	347	416	347	416
Total	264,000	303,000	217,000	249,000

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

TABLE 4  
PURCHASED AND TOLL-TREATED ALUMINUM-BASE SCRAP AND SWEATED PIG IN 2002 1/

(Metric tons)

	July			January-July 2/		
	Stocks, opening	Net receipts 3/	Melted or consumed	Stocks, closing	Net receipts 3/	Melted or consumed
New scrap:						
Solids	23,900 r/	77,100	73,900	27,100	533,000	534,000
Can stock clippings	3,180 r/	19,500	19,900	2,740	129,000	129,000
Other clippings	5,810 r/	11,100	11,100	5,810	77,700	78,700
Borings and turnings	4,410 r/	19,700	19,600	4,450	137,000	136,000
Dross and skimmings	2,850	33,800	33,800	2,850	238,000	238,000
Total new scrap	40,100 r/	161,000	158,000	43,000	1,110,000	1,120,000
Old scrap:						
Used casting, sheet, clippings	10,900 r/	32,700	32,700	10,900	229,000	228,000
Aluminum-copper radiators	1,730 r/	2,240	2,220	1,750	16,500	16,700
Used cans (shredded, loose, baled)	36,200	59,300	60,600	34,900	409,000	406,000
Fragmentized shredder (auto shredder)	4,660	8,840	8,840	4,660	62,300	63,300
Total old scrap	53,500 r/	103,000	104,000	52,100	716,000	715,000
Sweated pig	150	971	971	150	6,920	6,940
Total all classes	93,700 r/	265,000	264,000	95,200	1,840,000	1,840,000

r/ Revised.

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

2/ Includes revised data from previous month(s).

3/ Includes data on imported aluminum-base scrap.

TABLE 5  
ALUMINUM ALLOYS PRODUCED AT SECONDARY SMELTERS IN THE UNITED STATES FOR 2002 1/ 2/

(Metric tons)

	July				January-July 3/	
	Stocks, opening	Production	Net shipments	Stocks, closing	Production	Net shipments
<b>Die-cast alloys:</b>						
13% Si, 360, etc. (0.6% Cu, max.)	4,410 r/	1,520	1,560	4,380	12,000	12,100
380 and variations	5,480	33,500	33,600	5,400	232,000	231,000
<b>Sand and permanent mold:</b>						
95/5 Al-Si, 356, etc. (0.6% Cu, max.)	3,180	4,060	4,090	3,160	28,600	28,700
No. 319 and variations	9,940 r/	11,300	11,300	9,910	78,400	79,400
F-132 alloy and variations	1,980	1,990	1,990	1,980	14,500	14,400
Al-Zn alloys	630	59	59	630	410	497
Al-Si alloys (0.6% to 2.0% Cu)	91	168	168	91	1,180	1,180
Al-Cu alloys (1.5% Si, max.)	--	191	191	--	1,340	1,340
Other 4/	4,370 r/	9,380	9,430	4,330	65,700	66,700
<b>Wrought alloys:</b>						
Extrusion billets	10,600	17,500	17,500	10,600	122,000	121,000
Total all alloys	40,700 r/	79,600	79,900	40,500	556,000	557,000
<b>Less:</b>						
Primary aluminum consumed	XX	6,380	XX	XX	43,300	XX
Primary silicon consumed	XX	3,690	XX	XX	25,200	XX
Other alloying ingredients consumed	XX	603	XX	XX	4,930	XX
Net metallic recovery from aluminum scrap and sweated pig consumed in production of secondary aluminum ingot 5/	XX	69,000	XX	XX	483,000	XX

r/ Revised. XX Not applicable. -- Zero.

1/ Excludes integrated aluminum companies.

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

3/ Includes revised data from previous month(s).

4/ Includes alloys No. 12, Al-Mg, Al-Si-Cu-Ni, aluminum-base hardeners, variations of these alloys, plus other aluminum alloys.

5/ No allowance made for melt-loss of primary aluminum and alloying ingredients.

TABLE 6  
U.S. IMPORTS FOR CONSUMPTION OF ALUMINUM IN JUNE 2002 1/

(Metric tons)

Country	Metals and alloys, crude		Plates, sheets, bars, etc.		Scrap		Total	
	June	January- June	June	January- June	June	January- June	June	January- June
Argentina	3,600	36,700	87	215	--	383	3,690	37,300
Australia	10,200	60,000	2	27	54	54	10,200	60,100
Bahrain	1,240	7,840	2,230	7,450	--	--	3,460	15,300
Belgium	(2/)	(2/)	954	3,470	--	450	954	3,920
Brazil	1,830	13,900	47	444	--	7,110	1,870	21,400
Canada	133,000	805,000	39,600	224,000	23,500	143,000	196,000	1,170,000
France	209	480	570	2,850	372	2,700	1,150	6,030
Germany	358	1,270	5,440	27,900	602	3,950	6,400	33,100
Ghana	--	--	--	--	--	4,000	--	4,000
Hungary	--	--	570	3,780	--	--	570	3,780
Italy	79	79	135	1,170	--	--	214	1,250
Japan	35	176	675	4,700	46	129	755	5,000
Korea, Republic of	3,500	3,510	757	2,900	99	99	4,360	6,500
Mexico	293	2,340	1,140	8,330	3,370	27,100	4,810	37,700
Netherlands	35	220	252	1,490	181	1,480	468	3,200
Norway	648	2,630	--	56	--	--	648	2,680
Russia	83,200	313,000	7,440	30,100	2,310	11,900	93,000	355,000
South Africa	--	10,000	2,170	14,400	--	8	2,170	24,400
Spain	27	543	6	85	--	--	33	629
Sweden	--	2	250	1,600	61	105	311	1,710
Switzerland	10	259	327	1,180	--	100	337	1,540
Ukraine	--	--	--	20	--	--	--	20
United Arab Emirates	5,990	34,100	--	--	184	319	6,170	34,400
United Kingdom	129	308	894	4,640	498	2,990	1,520	7,940
Venezuela	18,800	106,000	1,480	9,660	498	4,290	20,800	120,000
Other	56	6,660	6,320	33,700	3,120	19,400	9,500	59,700
Total	263,000	1,410,000	71,400	384,000	34,900	229,000	369,000	2,020,000

-- Zero.

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

2/ Less than 1/2 unit.

Source: U.S. Census Bureau.

TABLE 7  
U.S. EXPORTS OF ALUMINUM IN JUNE 2002 1/

(Metric tons)

Country or territory	Metals and alloys, crude		Plates, sheets, bars, etc.		Scrap		Total	
	June	January- June	June	January- June	June	January- June	June	January- June
Australia	25	63	195	745	1	177	220	985
Belgium	--	92	177	2,110	--	59	177	2,260
Brazil	--	93	1,270	16,400	--	16	1,270	16,500
Canada	8,350	45,200	40,900	228,000	17,000	113,000	66,300	386,000
China	(2/)	22	2,770	17,400	13,700	89,000	16,500	106,000
Czech Republic	--	--	2	7	5	5	8	12
Dominican Republic	(2/)	3	66	337	--	--	66	341
France	8	69	385	2,180	--	6	394	2,260
Germany	111	1,180	275	1,470	--	144	386	2,790
Hong Kong	12	91	340	2,240	293	3,710	644	6,040
India	--	107	12	93	303	1,950	315	2,150
Israel	7	66	138	840	--	--	145	906
Italy	(2/)	4	139	1,120	--	3	139	1,130
Japan	624	2,210	853	5,290	1,730	14,400	3,200	21,900
Korea, Republic of	49	285	561	4,720	3,620	25,300	4,230	30,300
Malaysia	--	23	47	243	57	500	104	766
Mexico	9,000	51,900	10,200	56,100	18,300	44,600	37,500	153,000
Netherlands	1	28	79	487	--	50	79	565
Russia	--	19	--	24	--	9	--	52
Saudi Arabia	--	(2/)	2,180	9,170	--	--	2,180	9,170
Singapore	9	42	175	1,720	44	141	228	1,900
Spain	15	29	83	464	--	482	98	975
Sweden	--	--	41	304	--	5	41	309
Taiwan	33	115	626	3,490	2,440	12,000	3,100	15,600
Thailand	(2/)	(2/)	390	5,400	19	554	409	5,950
United Kingdom	48	272	1,160	4,620	18	443	1,230	5,340
Venezuela	1	4	414	4,400	--	--	415	4,400
Other	49	210	2,220	15,500	314	2,210	2,580	17,900
Total	18,300	102,000	65,800	385,000	57,900	308,000	142,000	795,000

-- Zero.

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

2/ Less than 1/2 unit.

Source: U.S. Census Bureau.