

Mineral Industry Surveys

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ALUMINUM IN JULY 2007

Domestic primary aluminum production in July was 219,000 metric tons (t), according to the U.S. Geological Survey. The average daily production rate was 7,049 t, 1% higher than that of the previous month and 14% higher than the rate for July 2006.

Total aluminum recovered from scrap in July 2007 was 293,000 t, 1% higher than the revised total for the previous month and 14% higher than in July 2006. In July 2007, 189,000 t of aluminum was recovered from new scrap, which was 6% higher than the revised figure for June and 14% higher than in July 2006. Aluminum recovered from old scrap totaled 104,000 t in July, which was 6% lower than the revised figure of the previous month and 13% higher than in July 2006.

The monthly average U.S. market price of primary aluminum ingot in July increased to \$1.262 per pound from \$1.234 per pound in June. The monthly average U.S. market price of primary aluminum ingot in August declined to \$1.174 per pound.

U.S. Trade

Total imports for consumption (table 6) for the first 6 months of 2007 decreased 16% compared with those for the same period in 2006. Imports of metal and alloys decreased 20% and imports of semifabricated materials decreased 7%, whereas imports of scrap decreased 9% compared with those for the same period in 2006. Canada remained the leading shipper of materials to the United States, supplying 58% of total U.S. imports in the first 6 months of the year, followed by Russia with 12%.

Total aluminum exports (table 7) for the first half of 2007 decreased 9% compared with those for the first 6 months of 2006. Exports of metal and alloys decreased 6%, and exports of semifabricated material decreased 9% compared with those for the same period in 2006. Aluminum scrap exports decreased 10% compared with the amount exported in the first half of 2006. China, Canada, and Mexico, in descending order of shipments, were the major recipients of U.S. aluminum materials, accounting for 73% of total U.S. exports in the first 6 months of 2007.

Used beverage can prices, cents per pound¹

July 1	84-86
July 10	86-88
July 17	85-87
July 31	83-85
August 7	82-84
August 14	79-81
August 20	76-78
August 28	78-80

¹Source: American Metal Market

TABLE 1
COMPONENTS OF ALUMINUM SUPPLY¹

(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		
2006 ^p	2,284	2,310 ^r	1,230 ^r	3,540 ^r	3,440	1,220	4,660	10,500 ^r	1,410
2006:									
July	192	165	92	256	249	111	360	808	1,450
August	185	166	109	275	315	111	426	887	1,430
September	183	160	90	250	289	102	391	823	1,480
October	190	161	80	241	259	100	359	790	1,410
November	188	163	84	247	233	99	332	766	1,400
December	196	153	89	242	241	89	330	768	1,410
January-July	1,340	1,130	631	1,770	2,100	716	2,820	5,930	7,250
2007:									
January	202	193 ^r	113 ^r	307 ^r	251	98	349	827	1,460
February	185	165 ^r	97 ^r	262 ^r	258	86	344	761	1,460
March	217	185 ^r	120 ^r	305 ^r	238	93	332	823	1,410
April	209	171 ^r	108 ^r	279 ^r	259	94	353	810	1,430
May	210	176 ^r	115 ^r	292 ^r	220	97	317	788	1,400
June	209	179 ^r	111 ^r	289 ^r	255	92	347	845	1,330
July	219	189	104	293	NA	NA	NA	NA	NA
January-July	1,451	1,260	768	2,030	NA	NA	NA	NA	NA

^pPreliminary. ^rRevised. NA Not available

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

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

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

⁴Inventory levels reflect total for both U.S. and Canadian producers; data from the Aluminum Association Inc.

TABLE 2
ESTIMATED FULL COVERAGE CONSUMPTION OF AND METALLIC RECOVERY FROM
PURCHASED NEW AND OLD ALUMINUM SCRAP¹

(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
	2006 ^p	2,260 ^r	1,640 ^r	901	807	1,070 ^r	1,000 ^r	87	76	10 ^r	9 ^r	4,340 ^r
2006:												
July	136	99	76	68	88	82	8	7	(2)	(2)	308	256
August	167	126	71	64	83	78	8	7	(2)	(2)	330	275
September	135	98	77	69	80	75	8	7	(2)	(2)	300	250
October	130	94	69	62	83	78	8	7	(2)	(2)	289	241
November	139	103	76	61	81	76	8	7	(2)	(2)	304	247
December	134	98	82	66	76	71	8	7	(2)	(2)	299	242
January-July	954	694	526	471	587	548	56	49	3	3	2,130	1,770
2007:												
January	184 ^r	143 ^r	81	73	89 ^r	83 ^r	8	7	(2)	(2)	363 ^r	307 ^r
February	148 ^r	110 ^r	69	62	89 ^r	83 ^r	8	7	(2)	(2)	314 ^r	262 ^r
March	181 ^r	138 ^r	90	81	85 ^r	79 ^r	8	7	(2)	(2)	365 ^r	305 ^r
April	160 ^r	120 ^r	80	72	86 ^r	80 ^r	8	7	(2)	(2)	334 ^r	279 ^r
May	155 ^r	116 ^r	94	84	90 ^r	84 ^r	8	7	(2)	(2)	347 ^r	292 ^r
June	148 ^r	110 ^r	88	79	99 ^r	92 ^r	8	7	(2)	(2)	344 ^r	289 ^r
July	158	118	77	69	104	98	8	7	(2)	(2)	347	293
January-July	1,130	855	579	520	642	599	56	49	3	3	2,410	2,030

^pPreliminary. ^rRevised.

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

²Less than ½ unit.

TABLE 3
CONSUMPTION OF AND RECOVERY FROM PURCHASED
NEW AND OLD ALUMINUM SCRAP IN JULY 2007¹

(Metric tons)

	Consumption				Calculated metallic recovery	
	Consumption		Calculated metallic recovery		Tabulated reports	Estimated full coverage
	Tabulated reports	Estimated full coverage	Tabulated reports	Estimated full coverage		
Secondary smelters	132,000	158,000	98,700	118,000		
Integrated aluminum companies	76,800	76,800	68,800	68,800		
Independent mill fabricators	87,000	104,000	81,700	98,100		
Foundries	6,530	7,840	5,730	6,880		
Other consumers	383	460	383	460		
Total	302,000	347,000	255,000	293,000		

¹Data 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 JULY 2007¹

(Metric tons)

	July			January-July		
	Stocks, opening	Net receipts ²	Melted or consumed	Stocks, closing	Net receipts ²	Melted or consumed
New scrap:						
Extrusion	27,400 ^r	98,600	103,000	23,100	560,000	567,000
Can stock clippings	1,850	14,800	14,100	2,530	181,000	180,000
Other wrought sheet/clippings	4,580 ^r	20,400	20,900	4,080	161,000	161,000
Casting	936 ^r	6,730	6,370	1,300	43,300	44,700
Borings and turnings	3,230 ^r	14,500	14,500	3,180	105,000	105,000
Dross and skimmings	3,660 ^r	36,200	36,200	3,640	253,000	253,000
Total new scrap	41,700	191,000	195,000	37,800	1,300,000	1,310,000
Old scrap:						
Used castings	2,580 ^r	22,100	22,100	2,560	107,000	109,000
Used extrusion	2,150 ^r	4,270	4,270	2,150	30,600	30,600
Used cans (shredded, loose, baled)	458	47,300	47,600	202	381,000	385,000
Other wrought products	3,150 ^r	21,400	21,400	3,150	183,000	183,000
Fragmentized shredder (auto shredder)	1,870 ^r	10,800	11,100	1,550	86,200	87,400
Total old scrap	10,200	106,000	107,000	9,610	788,000	794,000
Sweated pig	--	582	582	--	4,290	4,290
Total all classes	51,900 ^r	298,000	302,000	47,400	2,100,000	2,110,000

^rRevised. -- Zero.

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

²Includes data on imported aluminum-base scrap.

TABLE 5
ALUMINUM ALLOYS PRODUCED AT SECONDARY SMELTERS IN THE UNITED STATES FOR 2007^{1,2}

(Metric tons)

	July			January-July		
	Stocks, opening	Production	Net shipments	Stocks, closing	Production	Net shipments
Die-cast alloys:						
13% Si, 360, etc. (0.6% Cu, max.)	2,580 ^r	2,420	2,050	2,960	14,700	14,600
380 and variations	3,910 ^r	15,400	15,100	4,180	115,000	115,000
Sand and permanent mold:						
95/5 Al-Si, 356, etc. (0.6% Cu, max.)	1,810 ^r	2,740	2,740	1,810	19,300	19,400
No. 319 and variations	3,260 ^r	4,540	4,530	3,260	41,100	40,700
F-132 alloy and variations	917 ^r	1,230	1,260	892	10,300	10,300
Al-Zn alloys	306	210	199	317	1,350	1,340
Al-Si alloys (0.6% to 2.0% Cu)	177 ^r	213	213	177	1,490	1,490
Al-Cu alloys (1.5% Si, max.)	283	411	411	283	2,880	2,880
Other ³	3,370 ^r	10,300	10,000	3,630	73,600	74,800
Wrought alloys, extrusion billets	10,600 ^r	43,000	42,900	10,600	295,000	295,000
Total all alloys	27,200 ^r	80,400	79,400	28,200	575,000	576,000
Less:						
Primary aluminum consumed	XX	14,400	XX	XX	98,800	XX
Primary silicon consumed	XX	2,360	XX	XX	17,400	XX
Other alloying ingredients consumed	XX	512	XX	XX	6,110	XX
Net metallic recovery from aluminum scrap and sweated pig consumed in production of secondary aluminum ingot ⁴	XX	63,100	XX	XX	453,000	XX

^rRevised. XX Not applicable.

¹Excludes integrated aluminum companies.

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

³Includes alloys No. 12, Al-Mg, Al-Si-Cu-Ni, aluminum-base hardeners, variations of these alloys, plus other aluminum alloys.

⁴No allowance made for melt-loss of primary aluminum and alloying ingredients.

TABLE 6
U.S. IMPORTS FOR CONSUMPTION OF ALUMINUM IN JUNE 2007¹

(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	1,510	29,300	1	53	--	--	1,510	29,300
Australia	9,350	32,800	3	65	341	2,730	9,700	35,600
Bahrain	4,750	24,100	1,300	9,120	--	--	6,050	33,200
Belgium	--	58	882	6,240	--	14	882	6,310
Brazil	4,580	41,000	3,370	17,000	--	1	7,950	58,000
Canada	155,000	935,000	36,700	227,000	26,900	162,000	219,000	1,320,000
China	5,240	25,000	17,400	92,100	--	40	22,700	117,000
France	41	345	259	1,670	--	31	299	2,040
Germany	129	1,390	8,130	53,100	9	194	8,260	54,700
Hungary	--	--	10	82	--	--	10	82
Italy	--	513	673	4,230	(2)	40	673	4,780
Japan	8	139	1,760	7,440	28	293	1,790	7,870
Korea, Republic of	627	1,370	216	1,370	--	58	843	2,790
Mexico	1,840	8,560	1,630	10,500	9,140	51,100	12,600	70,200
Netherlands	52	394	188	1,160	--	--	241	1,550
Norway	536	2,360	(2)	139	--	--	536	2,500
Russia	54,700	245,000	5,600	29,600	--	1,660	60,300	276,000
South Africa	3,020	35,400	4,370	23,200	--	--	7,380	58,600
Spain	18	73	28	364	--	--	47	437
Sweden	--	--	135	680	--	--	135	680
Switzerland	--	(2)	561	2,820	--	--	561	2,820
United Arab Emirates	7,280	54,100	--	--	--	18	7,280	54,100
United Kingdom	266	2,200	341	2,410	--	102	607	4,720
Venezuela	63	16,300	239	4,810	--	313	302	21,400
Other	5,210	25,700	8,630	66,100	3,610	21,300	17,400	113,000
Total	254,000	1,480,000	92,400	561,000	40,000	240,000	387,000	2,280,000

-- 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 7
U.S. EXPORTS OF ALUMINUM IN JUNE 2007¹

(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	40	164	113	701	--	65	153	930
Azerbaijan	--	--	--	3	--	--	--	3
Belgium	32	313	261	1,780	--	--	293	2,100
Brazil	4	16	1,000	5,300	288	1,130	1,300	6,450
Canada	9,310	57,400	33,600	214,000	13,200	81,600	56,100	353,000
China	6	231	1,720	9,050	63,800	353,000	65,500	362,000
Czech Republic	2	2	9	140	--	--	11	143
Dominican Republic	--	10	29	218	--	--	29	228
France	1	177	963	6,330	--	3	964	6,510
Germany	86	484	713	4,720	51	317	850	5,520
Hong Kong	1	438	1,690	9,530	2,290	16,300	3,990	26,300
India	38	155	93	517	2,080	7,880	2,210	8,550
Israel	161	646	462	2,730	--	--	623	3,380
Italy	1,540	2,270	281	1,960	171	385	1,990	4,610
Japan	923	10,300	1,200	8,460	3,420	19,600	5,550	38,300
Korea, Republic of	30	315	1,720	9,170	15,300	101,000	17,100	111,000
Malaysia	1	13	827	3,920	1,050	7,310	1,880	11,200
Mexico	17,700	100,000	19,300	126,000	5,840	39,700	42,800	266,000
Netherlands	--	1,570	238	616	96	257	334	2,440
Russia	--	516	46	150	38	38	84	704
Saudi Arabia	12	18	3,910	12,800	--	--	3,920	12,900
Singapore	42	244	257	1,180	--	6	299	1,430
Spain	6	63	110	913	18	59	134	1,030
Sweden	6	15	65	195	--	--	72	211
Taiwan	37	322	925	3,040	14,800	62,000	15,700	65,300
Thailand	200	525	1,360	6,300	2,430	6,490	3,990	13,300
Ukraine	--	--	36	54	--	--	36	54
United Kingdom	41	166	1,500	7,750	472	1,410	2,010	9,320
Venezuela	--	(2)	500	825	--	77	500	902
Other	909	2,940	4,650	28,300	2,220	9,320	7,780	40,600
Total	31,100	179,000	77,600	467,000	128,000	708,000	236,000	1,350,000

-- 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.