

Mineral Industry Surveys

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ALUMINUM IN MAY AND JUNE 2008

Domestic primary aluminum production in May was 235,000 metric tons (t), according to the U.S. Geological Survey. The average daily production was 7,580 t, essentially the same as that of the previous month and 12% higher than the rate for May 2007. Total aluminum recovered from scrap in May 2008 was 302,000 t, 2% higher than that of the previous month and 9% lower than the total in May 2007. Of this, 179,000 t of aluminum was recovered from new scrap, essentially unchanged from that in April, and 8% less than the amount in May 2007. Aluminum recovered from old scrap in May 2008 totaled 123,000 t, which was 8% more than the amount in April and 11% less than that in May 2007.

Domestic primary aluminum production in June was 224,000 t. The average daily production was 7,470 t, slightly less than that of the previous month and 7% higher than the

rate for June 2007. Total aluminum recovered from scrap in June 2008 was 292,000 t, 177,000 t from new scrap and 115,000 t from old scrap. Total aluminum recovered from scrap for January through June was 8% less than the total for the first half of 2007. Aluminum recovered from new scrap and old scrap in January through June was down by 6% and 12%, respectively, from that in the same period of the previous year.

In May, the monthly average U.S. market price of primary aluminum ingot declined to \$1.358 per pound from \$1.386 per pound in April. In June, the monthly average U.S. market price of primary aluminum ingot increased to \$1.426 per pound. In July, the monthly average U.S. market price of primary aluminum ingot declined to \$1.29 per pound.

Used beverage can prices, cents per pound¹

May 2	94-96
May 9	94-96
May 16	97-99
May 23	100-102
May 30	97-99
June 6	95-97
June 13	95-97
June 20	102-104
June 27	102-103
July 3	101-102
July 11	101-102
July 18	98-100
July 25	94-96

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		
2007 ^P	2,554	2,280	1,610	3,890	2,950	1,070	4,020	10,500	1,400
2007:									
May	210	194	138	332	220	97	317	859	1,400
June	209	196	134	329	255	92	347	885	1,330
July	219	205	127	332	236	102	337	888	1,370
August	220	188	148	336	267	91	358	914	1,390
September	216	183	129	312	268	84	352	881	1,350
October	224	194	148	342	243	86	330	896	1,350
November	220	186	135	321	238	76	314	855	1,350
December	225	167	122 ^r	288 ^r	215	70	285	798 ^r	1,400
January-May	1,022	958	669	1,630	1,230	468	1,690	4,340	XX
January-June	1,231	1,150	803	1,960	1,480	561	2,040	5,230	XX
2008:									
January	233	189	125	315	240	78	318	865	1,380
February	219	180	109	289	208	74	282	790	1,350
March	233	183	116	299	247	77	324	856	1,320
April	228	180	114	295	238	78	316	839	1,320
May	235	179	123	302	237	81	318	855	1,320
June	224	177	115	292	526	159	685	1,200	1,310
January-May	1,148	911	588	1,500	1,170	387	1,560	4,210	XX
January-June	1,372	1,090	704	1,790	1,700	547	2,240	5,410	XX

^PPreliminary. ^rRevised. XX Not applicable.

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		Independent mill fabricators ²		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
2007 ^p	2,310	1,800	2,190	2,010	95	83	5	5	4,600	3,890
2007:										
May	191	148	193	176	8	7	(3)	(3)	392	332
June	185	142	196	180	8	7	(3)	(3)	389	329
July	194	151	190	175	8	7	(3)	(3)	392	332
August	191	147	198	181	8	7	(3)	(3)	397	336
September	191	148	171	156	8	7	(3)	(3)	370	312
October	196	153	199	182	8	7	(3)	(3)	404	342
November	190	147	183	167	8	7	(3)	(3)	381	321
December	178	138	157	143	8	7	(3)	(3)	343	288
January-May	990	770	897	821	39	35	(3)	(3)	1,930	1,630
January-June	1,170	912	1,090	1,000	47	41	(3)	(3)	2,320	1,960
2008:										
January	168	133	195	174	8	7	(3)	(3)	372	315
February	150	117	185	164	8	7	(3)	(3)	343	289
March	148	116	197	175	8	7	(3)	(3)	354	299
April	150	118	190	169	8	7	(3)	(3)	349	295
May	150	117	200	177	8	7	(3)	(3)	358	302
June	150	117	189	167	8	7	(3)	(3)	347	292
January-May	766	602	967	859	40	35	(3)	(3)	1,780	1,500
January-June	916	719	1,160	1,030	48	42	(3)	(3)	2,120	1,790

^pPreliminary.

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

²Includes plants previously categorized as "Integrated aluminum companies."

³Less than ½ unit.

TABLE 3
CONSUMPTION OF AND RECOVERY FROM PURCHASED
NEW AND OLD ALUMINUM SCRAP IN MAY 2008¹

(Metric tons)

	Consumption		Calculated metallic recovery	
	Tabulated reports	Estimated full coverage	Tabulated reports	Estimated full coverage
Secondary smelters	125,000	150,000	98,000	117,000
Independent mill fabricators ²	180,000	200,000	159,000	177,000
Foundries	6,600	7,910	5,790	6,950
Other consumers	655	786	569	683
Total	312,000	358,000	264,000	302,000

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

²Includes plants previously categorized as "Integrated aluminum companies."

TABLE 3a
CONSUMPTION OF AND RECOVERY FROM PURCHASED
NEW AND OLD ALUMINUM SCRAP IN JUNE 2008¹

(Metric tons)

	Consumption		Calculated metallic recovery	
	Tabulated reports	Estimated full coverage	Tabulated reports	Estimated full coverage
Secondary smelters	125,000	150,000	97,900	117,000
Independent mill fabricators ²	169,000	189,000	150,000	167,000
Foundries	6,530	7,840	5,740	6,880
Other consumers	700	840	614	737
Total	301,000	347,000	254,000	292,000

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

²Includes plants previously categorized as "Integrated aluminum companies."

TABLE 4
PURCHASED AND TOLL-TREATED ALUMINUM-BASE SCRAP AND SWEATED PIG IN MAY 2008¹

(Metric tons)

	May			January-May ²		
	Stocks, opening	Net receipts ³	Melted or consumed	Stocks, closing	Net receipts ³	Melted or consumed
New scrap:						
Extrusion	23,300	91,600	89,600	25,300	452,000	452,000
Can stock clippings	3,000	16,600	17,200	2,440	88,600	89,800
Other wrought sheet/clippings	5,510	24,700	24,700	5,490	128,000	126,000
Casting	704	5,630	5,610	717	30,200	30,500
Borings and turnings	4,250	11,500	11,400	4,380	59,800	59,900
Dross and skimmings	3,670	34,700	34,700	3,670	174,000	174,000
Total new scrap	40,500	185,000	183,000	42,000	932,000	933,000
Old scrap:						
Used castings	5,460	19,200	19,600	5,060	84,600	87,600
Used extrusion	2,000	6,300	6,300	2,000	31,500	31,500
Used cans (shredded, loose, baled)	3,940	67,000	66,500	4,380	299,000	300,000
Other wrought products	3,270	20,700	20,700	3,270	109,000	109,000
Fragmentized shredder (auto shredder)	5,550	15,700	15,600	5,670	83,000	83,000
Total old scrap	20,200	129,000	129,000	20,400	607,000	611,000
Sweated pig	82	246	246	82	1,230	1,230
Total all classes	60,700	314,000	312,000	62,500	1,540,000	1,550,000

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

²Includes revised data from previous month(s).

³Includes data on imported aluminum-base scrap.

TABLE 4a
PURCHASED AND TOLL-TREATED ALUMINUM-BASE SCRAP AND SWEATED PIG IN JUNE 2008¹

(Metric tons)

	June			January-June ²		
	Stocks, opening	Net receipts ³	Melted or consumed	Stocks, closing	Net receipts ³	Melted or consumed
New scrap:						
Extrusion	25,300	85,900	87,500	23,700	538,000	540,000
Can stock clippings	2,440	18,100	17,900	2,570	107,000	108,000
Other wrought sheet/clippings	5,490	24,200	24,300	5,400	152,000	151,000
Casting	717	5,530	5,490	755	35,800	36,000
Borings and turnings	4,380	11,400	11,300	4,440	71,200	71,200
Dross and skimmings	3,670	34,700	34,700	3,670	209,000	209,000
Total new scrap	42,000	180,000	181,000	40,500	1,110,000	1,110,000
Old scrap:						
Used castings	5,060	19,600	20,000	4,720	104,000	108,000
Used extrusion	2,000	6,300	6,300	2,000	37,800	37,800
Used cans (shredded, loose, baled)	4,380	59,600	59,300	4,690	359,000	359,000
Other wrought products	3,270	18,400	18,400	3,270	128,000	128,000
Fragmentized shredder (auto shredder)	5,670	15,800	15,800	5,670	98,800	98,800
Total old scrap	20,400	120,000	120,000	20,400	727,000	730,000
Sweated pig	82	246	246	82	1,480	1,480
Total all classes	62,500	300,000	301,000	61,000	1,840,000	1,850,000

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

²Includes revised data from previous month(s).

³Includes data on imported aluminum-base scrap.

TABLE 5
ALUMINUM ALLOYS PRODUCED AT SECONDARY SMELTERS IN THE UNITED STATES FOR 2008^{1,2}

(Metric tons)

	May			January-May ³		
	Stocks, opening	Production	Net shipments	Stocks, closing	Production	Net shipments
Die-cast alloys:						
13% Si, 360, etc. (0.6% Cu, max.)	3,760	1,870	2,010	3,630	10,300	9,910
380 and variations	4,190	13,200	13,200	4,190	71,000	72,300
Sand and permanent mold:						
95/5 Al-Si, 356, etc. (0.6% Cu, max.)	1,360	2,730	2,730	1,360	13,700	13,700
No. 319 and variations	1,960	3,380	3,390	1,960	17,700	18,100
F-132 alloy and variations	895	1,180	1,130	942	7,100	6,900
Al-Zn alloys	292	168	168	292	866	882
Al-Si alloys (0.6% to 2.0% Cu)	86	213	213	86	1,070	1,070
Al-Cu alloys (1.5% Si, max.)	283	411	411	283	2,060	2,060
Other ³	11,300	13,100	13,800	10,600	64,300	61,500
Wrought alloys, extrusion billets	18,700	55,400	55,300	18,800	277,000	277,000
Total all alloys	42,800	91,700	92,400	42,100	465,000	463,000
Less:						
Primary aluminum consumed	XX	20,000	XX	XX	91,900	XX
Primary silicon consumed	XX	1,720	XX	XX	9,590	XX
Other alloying ingredients consumed	XX	641	XX	XX	3,220	XX
Net metallic recovery from aluminum scrap and sweated pig consumed in production of secondary aluminum ingot ⁴	XX	69,300	XX	XX	360,000	XX

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 5a
ALUMINUM ALLOYS PRODUCED AT SECONDARY SMELTERS IN THE UNITED STATES FOR 2008^{1,2}

(Metric tons)

	June			January-June ³		
	Stocks, opening	Production	Net shipments	Stocks, closing	Production	Net shipments
Die-cast alloys:						
13% Si, 360, etc. (0.6% Cu, max.)	3,630	1,870	1,910	3,590	12,200	11,800
380 and variations	4,190	13,200	13,200	4,190	84,300	85,500
Sand and permanent mold:						
95/5 Al-Si, 356, etc. (0.6% Cu, max.)	1,360	2,730	2,730	1,360	16,400	16,500
No. 319 and variations	1,960	3,380	3,380	1,950	21,100	21,500
F-132 alloy and variations	942	1,130	1,130	942	8,240	8,030
Al-Zn alloys	292	168	168	292	1,030	1,050
Al-Si alloys (0.6% to 2.0% Cu)	86	213	213	86	1,280	1,280
Al-Cu alloys (1.5% Si, max.)	283	411	411	283	2,470	2,470
Other ³	10,600	37,800	38,100	10,400	102,000	99,600
Wrought alloys, extrusion billets	18,800	55,300	55,200	18,800	332,000	332,000
Total all alloys	42,100	116,000	117,000	41,900	581,000	580,000
Less:						
Primary aluminum consumed	XX	22,500	XX	XX	114,000	XX
Primary silicon consumed	XX	1,710	XX	XX	11,300	XX
Other alloying ingredients consumed	XX	635	XX	XX	3,860	XX
Net metallic recovery from aluminum scrap and sweated pig consumed in production of secondary aluminum ingot ⁴	XX	91,400	XX	XX	451,000	XX

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 APRIL 2008¹

(Metric tons)

Country	Metals and alloys, crude		Plates, sheets, bars, etc.		Scrap		Total	
	April	January- April	April	January- April	April	January- April	April	January- April
Argentina	7,950	23,200	--	--	--	--	7,950	23,200
Australia	3,330	12,500	19	46	--	--	3,350	12,600
Bahrain	997	2,480	603	5,100	--	--	1,600	7,580
Belgium	--	39	267	1,650	--	--	267	1,680
Brazil	7,090	30,300	2,090	6,640	160	160	9,340	37,100
Canada	165,000	661,000	34,500	137,000	30,000	109,000	229,000	907,000
China	2,920	8,350	11,000	42,500	2	2	13,900	50,800
France	99	137	350	1,140	--	153	450	1,430
Germany	55	290	8,450	28,600	11	138	8,520	29,000
Hungary	--	--	18	71	--	--	18	71
Italy	--	16	416	2,210	18	18	434	2,250
Japan	43	240	1,160	3,820	140	316	1,340	4,380
Korea, Republic of	29	105	168	854	23	53	219	1,010
Mexico	2,720	8,390	2,090	6,560	10,700	38,900	15,500	53,900
Netherlands	133	344	324	1,070	--	77	457	1,490
Norway	268	1,280	(2)	7	--	--	268	1,280
Russia	25,500	101,000	4,430	14,400	--	--	29,900	116,000
South Africa	--	4,940	1,860	13,400	--	500	1,860	18,800
Spain	22	27	15	56	--	8	38	91
Sweden	--	--	237	762	--	--	237	762
Switzerland	2	2	880	2,250	--	--	881	2,250
United Arab Emirates	7,740	28,300	19	19	--	--	7,760	28,300
United Kingdom	224	951	722	2,900	83	954	1,030	4,810
Venezuela	10,000	35,100	633	1,570	43	425	10,700	37,100
Other	4,180	14,300	8,060	34,100	3,610	13,100	15,900	61,500
Total	238,000	933,000	78,300	307,000	44,700	164,000	361,000	1,400,000

-- 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 6a
U.S. IMPORTS FOR CONSUMPTION OF ALUMINUM IN MAY 2008¹

(Metric tons)

Country	Metals and alloys, crude		Plates, sheets, bars, etc.		Scrap		Total	
	May	January- May	May	January- May	May	January- May	May	January- May
Argentina	5,330	28,500	--	--	--	--	5,330	28,500
Australia	7,080	19,600	3	49	--	--	7,090	19,700
Bahrain	--	2,480	1,880	6,980	--	--	1,880	9,460
Belgium	16	54	238	1,880	--	--	253	1,940
Brazil	5,980	36,200	1,650	8,290	194	354	7,830	44,900
Canada	168,000	829,000	33,200	170,000	30,100	139,000	231,000	1,140,000
China	2,270	10,600	13,400	55,900	6	8	15,700	66,500
France	12	148	268	1,410	--	153	279	1,710
Germany	366	656	7,060	35,600	40	178	7,470	36,500
Hungary	--	--	11	82	--	--	11	82
Italy	(2)	16	300	2,510	--	18	300	2,550
Japan	99	340	1,030	4,850	45	361	1,170	5,550
Korea, Republic of	(2)	105	224	1,080	16	69	239	1,250
Mexico	2,860	11,300	1,830	8,390	11,400	50,300	16,100	69,900
Netherlands	255	600	235	1,310	--	77	490	1,980
Norway	353	1,630	--	7	--	--	353	1,640
Russia	22,900	124,000	5,810	20,200	237	237	29,000	145,000
South Africa	--	4,940	3,700	17,100	--	500	3,700	22,500
Spain	14	41	16	72	--	8	30	121
Sweden	--	--	107	869	--	--	107	869
Switzerland	1	3	718	2,970	--	--	720	2,970
Tajikistan	782	782	--	--	--	--	782	782
United Arab Emirates	6,790	35,100	--	19	77	77	6,860	35,200
United Kingdom	85	1,040	818	3,720	527	1,480	1,430	6,240
Venezuela	12,300	47,300	681	2,250	367	792	13,300	50,400
Other	2,040	16,400	7,470	41,600	4,230	17,300	13,700	75,300
Total	237,000	1,170,000	80,600	387,000	47,300	211,000	365,000	1,770,000

-- 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 APRIL 2008¹

(Metric tons)

Country or territory	Metals and alloys, crude		Plates, sheets, bars, etc.		Scrap		Total	
	April	January- April	April	January- April	April	January- April	April	January- April
Australia	1,460	1,510	90	740	--	23	1,550	2,280
Belgium	54	182	145	531	--	111	199	825
Brazil	26	311	737	2,680	250	1,200	1,010	4,200
Canada	10,500	41,500	37,000	147,000	15,400	56,700	62,900	245,000
China	9	782	6,730	17,800	79,500	293,000	86,200	311,000
Czech Republic	--	--	25	146	--	--	25	146
Dominican Republic	3	357	77	164	2	3	82	524
France	75	349	808	3,900	--	3	883	4,250
Germany	99	1,330	619	3,500	66	191	784	5,020
Hong Kong	(2)	72	803	7,010	7,610	24,400	8,420	31,400
India	155	193	136	555	1,970	8,800	2,270	9,550
Israel	2	123	393	1,710	--	--	395	1,830
Italy	6	9	168	928	63	353	238	1,290
Japan	1,950	4,180	2,870	8,520	5,670	22,400	10,500	35,100
Korea, Republic of	8	184	1,410	5,480	21,000	69,000	22,400	74,600
Malaysia	--	10	303	2,060	28	298	331	2,360
Mexico	15,000	60,400	21,100	75,000	9,320	31,000	45,400	166,000
Netherlands	3	226	177	934	96	367	276	1,530
Russia	--	--	3	11	--	--	3	11
Saudi Arabia	85	85	3,090	16,000	--	--	3,180	16,100
Singapore	1	40	153	483	375	375	529	898
Spain	--	6	178	419	76	356	254	781
Sweden	--	--	26	88	--	--	26	88
Taiwan	6	22	837	3,230	50,800	142,000	51,700	145,000
Thailand	--	10	943	3,540	6,310	44,500	7,250	48,000
United Kingdom	45	150	1,810	8,860	234	314	2,090	9,330
Venezuela	--	--	41	357	--	5	41	362
Other	899	2,420	4,640	19,500	3,800	15,100	9,340	37,000
Total	30,400	114,000	85,300	331,000	203,000	710,000	318,000	1,160,000

-- 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 7a
U.S. EXPORTS OF ALUMINUM IN MAY 2008¹

(Metric tons)

Country or territory	Metals and alloys, crude		Plates, sheets, bars, etc.		Scrap		Total	
	May	January- May	May	January- May	May	January- May	May	January- May
Australia	56	1,570	196	936	--	23	252	2,530
Belgium	21	204	176	707	36	148	233	1,060
Brazil	7	318	765	3,450	394	1,600	1,170	5,360
Canada	9,250	50,700	37,600	185,000	15,100	71,800	61,900	307,000
China	2	784	3,860	21,600	78,100	371,000	82,000	393,000
Czech Republic	2	2	10	156	--	--	12	158
Dominican Republic	--	357	29	193	--	3	29	553
France	42	391	956	4,860	2	5	1,000	5,250
Germany	179	1,510	826	4,330	234	425	1,240	6,260
Hong Kong	73	145	1,350	8,350	10,700	35,000	12,100	43,500
India	--	193	201	756	2,820	11,600	3,020	12,600
Israel	6	129	494	2,200	--	--	500	2,330
Italy	--	9	265	1,190	42	395	308	1,600
Japan	2,900	7,080	1,230	9,750	5,620	28,100	9,750	44,900
Korea, Republic of	24	207	1,170	6,650	23,000	92,000	24,200	98,800
Malaysia	--	10	655	2,710	131	428	786	3,150
Mexico	15,300	75,700	22,200	97,200	8,420	39,400	45,900	212,000
Netherlands	1	226	84	1,020	42	409	127	1,650
Russia	--	--	3	14	--	--	3	14
Saudi Arabia	1	86	5,310	21,300	18	18	5,330	21,400
Singapore	6	46	98	582	256	631	360	1,260
Spain	--	6	193	612	37	394	231	1,010
Sweden	1	1	10	97	--	--	10	98
Taiwan	3	25	1,120	4,350	55,300	197,000	56,400	201,000
Thailand	7	17	907	4,450	2,600	47,100	3,510	51,500
Ukraine	--	--	1	1	--	--	1	1
United Kingdom	70	220	2,770	11,600	175	488	3,020	12,300
Venezuela	--	--	11	368	--	5	11	373
Other	425	2,850	4,820	24,300	1,810	16,900	7,050	44,000
Total	28,400	143,000	87,300	419,000	205,000	914,000	320,000	1,480,000

-- Zero.

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

Source: U.S. Census Bureau.