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Aluminum Ingot and Mill Products - Summary 1998

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NOTICE

The M33D monthly publication has been discontinued as of December 1998.
The 1998 summary is the last publication for this survey.

Information about the scope of the survey, methodology, explanation of terms and historical notes for this survey may be found in the introduction of the 1996 Manufacturing Profiles, issued July 1997.

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For mail or fax copies of the publication, contact the Manufacturing and Construction Division Information Center, 301-457-4673.

Address inquiries concerning these data to U.S. Department of Commerce, Bureau of the Census, Manufacturing and Construction Division, Washington, DC 20233, or call Mary W. Ellickson, 301-457-4736, e-mail Mary.W.Ellickson@ccmail.census.gov.

**Table 1. Net Shipments and Inventories of Aluminum
Mill Products: 1998 and 1997**

[Thousands of pounds]

Month and year	Aluminum mill products	
	Mill products	Month-end inventories
1998		
Total	15,178,655	4,109,145
January	1,235,858	4,103,848
February	1,166,333	4,095,307
March.	1,299,440	4,083,385
April.	1,291,999	4,105,108
May.	1,262,841	4,117,722
June.	1,293,655	4,121,505
July.	1,293,594	4,172,174
August.	1,275,225	4,075,409
September.	1,287,656	4,026,869
October	1,359,156	3,977,817
November	1,218,673	3,985,337
December	1,194,225	4,109,145
1997		
Total	14,990,287	4,106,481
January	1,185,199	4,072,767
February	1,164,992	4,070,729
March.	1,281,617	4,038,761
April.	1,307,369	4,032,349
May.	1,312,936	4,007,682
June.	1,303,147	4,022,979
July.	1,253,673	3,982,640
August.	1,288,120	4,051,340
September.	1,306,484	4,021,479
October	1,285,469	4,015,360
November	1,147,209	4,072,604
December	1,154,072	4,106,481

1/For ingot information please contact Nicholas Adams,
Aluminum Association, 202-862-5100.

Note: Use December inventory data for annual total
inventory.

Table 2a. Shipments and Receipts of Aluminum Mill Products: 1998
[Thousands of pounds]

Product code	Product description	No. of cos.	Total			January			February		
			Gross shipments	Total receipts	Net shipments 1/	Gross shipments	Total receipts	Net shipments 1/	Gross shipments	Total receipts	Net shipments 1/
	Aluminum mill products.	(NA)	16,545,857	1,367,202	15,178,655	1,347,263	111,405	1,235,858	1,274,055	107,722	1,166,333
	Sheet, plate, and foil.	(NA)	11,278,670	834,265	10,444,405	910,881	68,409	842,472	856,600	61,141	795,459
	Sheet.	(NA)	9,717,288	834,265	8,883,023	779,262	68,409	710,853	731,001	61,141	669,860
33532 22	Non heat-treatable 2/.	24	9,433,401	834,265	8,599,136	754,110	68,409	685,701	707,010	61,141	645,869
33532 24	Heat-treatable.	11	283,887	-	283,887	25,152	-	25,152	23,991	-	23,991
	Plate.	(NA)	408,596	-	408,596	39,169	-	39,169	33,573	-	33,573
33531 15	Non heat-treatable.	7	105,982	-	105,982	8,880	-	8,880	7,622	-	7,622
33531 13	Heat-treatable.	7	302,614	-	302,614	30,289	-	30,289	25,951	-	25,951
33533 00	Foil.	13	1,152,786	-	1,152,786	92,450	-	92,450	92,026	-	92,026
	Rod, wire, and cable.	(NA)	1,192,477	456,286	736,191	94,510	36,087	58,423	92,863	39,146	53,717
	Rod and bare wire.	(NA)	545,514	456,286	89,228	43,350	36,087	7,263	43,485	39,146	4,339
33552 20	Drawing stock(redraw rod) 3/.	7	443,468	456,286	(12,818)	33,620	36,087	(2,467)	35,100	39,146	(4,046)
33501 31	Bare wire.	13	102,046	-	102,046	9,730	-	9,730	8,385	-	8,385
	Cable and insulated wire.	(NA)	646,963	-	646,963	51,160	-	51,160	49,378	-	49,378
33501 63	ACSR and aluminum cable,bare.	3	193,431	-	193,431	18,011	-	18,011	15,469	-	15,469
33570 99	Wire and cable, insulated or covered.	9	453,532	-	453,532	33,149	-	33,149	33,909	-	33,909
	Rod, bar, pipe, tube and shapes.	(NA)	3,714,040	76,651	3,637,389	313,567	6,909	306,658	295,879	7,435	288,444
	Rod and bar(rolled and extruded)	(NA)	468,805	76,651	392,154	45,102	6,909	38,193	43,190	7,435	35,755
33500 20	Alloys other than 2,000 and 7,000	14	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
33541 18	Alloys in 2,000 and 7,000 series	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Pipe and tube (extruded and drawn)	(NA)	359,250	(D)	359,250	30,218	(D)	30,218	28,558	(D)	28,558
33542 63	Alloys other than 2,000 and 7,000	22	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
33542 61	Alloys in 2,000 and 7,000 series	11	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Extruded shapes.	(NA)	2,885,985	-	2,885,985	238,247	-	238,247	224,131	-	224,131
33541 25	Alloys other than 2,000 and 7,000 series.	83	2,793,216	-	2,793,216	230,299	-	230,299	216,099	-	216,099
33541 28	Alloys in 2,000 and 7,000 series.	10	92,769	-	92,769	7,948	-	7,948	8,032	-	8,032
	All other.	(NA)	360,670	-	360,670	28,305	-	28,305	28,713	-	28,713
	Powder and paste.	(NA)	145,980	-	145,980	12,168	-	12,168	12,261	-	12,261
33991 13	Atomized.	5	96,150	-	96,150	7,906	-	7,906	8,084	-	8,084
33991 16	Other flake, powder and paste.	9	49,830	-	49,830	4,262	-	4,262	4,177	-	4,177
	Forgings and impacts.	(NA)	214,690	-	214,690	16,137	-	16,137	16,452	-	16,452
34635 21	Forgings.	18	164,170	-	164,170	12,116	-	12,116	12,168	-	12,168
34635 41	Impacts.	8	50,520	-	50,520	4,021	-	4,021	4,284	-	4,284
19002 00	Scrap receipts 4/.	(NA)	(NA)	5,679,696	(NA)	(NA)	506,315	(NA)	(NA)	491,216	(NA)
		No. of cos.	March			April			May		
			Gross shipments	Total receipts	Net shipments 1/	Gross shipments	Total receipts	Net shipments 1/	Gross shipments	Total receipts	Net shipments 1/
	Aluminum mill products.	(NA)	1,410,196	110,756	1,299,440	1,417,721	125,722	1,291,999	1,381,492	118,651	1,262,841
	Sheet, plate, and foil.	(NA)	951,590	62,563	889,027	947,211	75,638	871,573	952,350	71,442	880,908
	Sheet.	(NA)	813,504	62,563	750,941	809,946	75,638	734,308	819,710	71,442	748,268
33532 22	Non heat-treatable 2/.	24	786,626	62,563	724,063	785,263	75,638	709,625	793,634	71,442	722,192
33532 24	Heat-treatable.	11	26,878	-	26,878	24,683	-	24,683	26,076	-	26,076
	Plate.	(NA)	37,063	-	37,063	36,356	-	36,356	36,363	-	36,363
33531 15	Non heat-treatable.	7	10,323	-	10,323	10,279	-	10,279	10,626	-	10,626
33531 13	Heat-treatable.	7	26,740	-	26,740	26,077	-	26,077	25,737	-	25,737
33533 00	Foil.	13	101,023	-	101,023	100,909	-	100,909	96,277	-	96,277
	Rod, wire, and cable.	(NA)	108,032	39,446	68,586	107,387	43,330	64,057	93,771	39,650	54,121
	Rod and bare wire.	(NA)	51,365	39,446	11,919	48,382	43,330	5,052	45,325	39,650	5,675
33552 20	Drawing stock(redraw rod) 3/.	7	42,842	39,446	3,396	38,845	43,330	(4,485)	36,729	39,650	(2,921)
33501 31	Bare wire.	13	8,523	-	8,523	9,537	-	9,537	8,596	-	8,596
	Cable and insulated wire.	(NA)	56,667	-	56,667	59,005	-	59,005	48,446	-	48,446
33501 63	ACSR and aluminum cable,bare.	3	17,303	-	17,303	19,482	-	19,482	14,121	-	14,121
33570 99	Wire and cable, insulated or covered.	9	39,364	-	39,364	39,523	-	39,523	34,325	-	34,325
	Rod, bar, pipe, tube and shapes.	(NA)	320,091	8,747	311,344	333,179	6,754	326,425	306,216	7,559	298,657
	Rod and bar(rolled and extruded)	(NA)	42,915	8,747	34,168	45,781	6,754	39,027	40,996	7,559	33,437
33500 20	Alloys other than 2,000 and 7,000	14	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
33541 18	Alloys in 2,000 and 7,000 series	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Pipe and tube (extruded and drawn)	(NA)	30,103	(D)	30,103	33,010	(D)	33,010	29,718	(D)	29,718
33542 63	Alloys other than 2,000 and 7,000	22	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
33542 61	Alloys in 2,000 and 7,000 series	11	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Extruded shapes.	(NA)	247,073	-	247,073	254,388	-	254,388	235,502	-	235,502
33541 25	Alloys other than 2,000 and 7,000 series.	83	238,349	-	238,349	246,180	-	246,180	227,385	-	227,385
33541 28	Alloys in 2,000 and 7,000 series.	10	8,724	-	8,724	8,208	-	8,208	8,117	-	8,117
	All other.	(NA)	30,483	-	30,483	29,944	-	29,944	29,155	-	29,155
	Powder and paste.	(NA)	11,260	-	11,260	11,554	-	11,554	11,673	-	11,673
33991 13	Atomized.	5	7,705	-	7,705	7,762	-	7,762	8,300	-	8,300
33991 16	Other flake, powder and paste.	9	3,555	-	3,555	3,792	-	3,792	3,373	-	3,373
	Forgings and impacts.	(NA)	19,223	-	19,223	18,390	-	18,390	17,482	-	17,482
34635 21	Forgings.	18	14,184	-	14,184	13,868	-	13,868	12,917	-	12,917
34635 41	Impacts.	8	5,039	-	5,039	4,522	-	4,522	4,565	-	4,565
19002 00	Scrap receipts 4/.	(NA)	(NA)	507,876	(NA)	(NA)	569,659	(NA)	(NA)	494,272	(NA)

Continued

Table 2a. Shipments and Receipts of Aluminum Mill Products: 1998
[Thousands of pounds]

Product code	Product description	No. of cos.	June			July			August		
			Gross shipments	Total receipts	Net shipments 1/	Gross shipments	Total receipts	Net shipments 1/	Gross shipments	Total receipts	Net shipments 1/
	Aluminum mill products.	(NA)	1,408,101	114,446	1,293,655	1,412,260	118,666	1,293,594	1,395,220	119,995	1,275,225
	Sheet, plate, and foil.	(NA)	956,544	70,426	886,118	966,154	74,999	891,155	951,987	70,492	881,495
	Sheet.	(NA)	826,915	70,426	756,489	834,712	74,999	759,713	819,553	70,492	749,061
33532 22	Non heat-treatable 2/.	24	803,009	70,426	732,583	814,326	74,999	739,327	798,679	70,492	728,187
33532 24	Heat-treatable.	11	23,906	-	23,906	20,386	-	20,386	20,874	-	20,874
	Plate.	(NA)	33,651	-	33,651	33,509	-	33,509	31,144	-	31,144
33531 15	Non heat-treatable.	7	8,440	-	8,440	8,157	-	8,157	8,459	-	8,459
33531 13	Heat-treatable.	7	25,211	-	25,211	25,352	-	25,352	22,685	-	22,685
33533 00	Foil.	13	95,978	-	95,978	97,933	-	97,933	101,290	-	101,290
	Rod, wire, and cable.	(NA)	99,433	37,303	62,130	98,897	38,429	60,468	100,924	43,423	57,501
	Rod and bare wire.	(NA)	43,675	37,303	6,372	44,991	38,429	6,562	44,784	43,423	1,361
33552 20	Drawing stock(redraw rod) 3/.	7	34,925	37,303	(2,378)	37,046	38,429	(1,383)	36,856	43,423	(6,567)
33501 31	Bare wire.	13	8,750	-	8,750	7,945	-	7,945	7,928	-	7,928
	Cable and insulated wire.	(NA)	55,758	-	55,758	53,906	-	53,906	56,140	-	56,140
33501 63	ACSR and aluminum cable,bare.	3	15,080	-	15,080	14,830	-	14,830	15,693	-	15,693
33570 99	Wire and cable, insulated or covered.	9	40,678	-	40,678	39,076	-	39,076	40,447	-	40,447
	Rod, bar, pipe, tube and shapes.	(NA)	319,388	6,717	312,671	318,990	5,238	313,752	311,933	6,080	305,853
	Rod and bar(rolled and extruded)	(NA)	38,823	6,717	32,106	36,794	5,238	31,556	36,219	6,080	30,139
33500 20	Alloys other than 2,000 and 7,000	14	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
33541 18	Alloys in 2,000 and 7,000 series	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Pipe and tube (extruded and drawn)	(NA)	31,394	(D)	31,394	32,352	(D)	32,352	30,636	(D)	30,636
33542 63	Alloys other than 2,000 and 7,000	22	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
33542 61	Alloys in 2,000 and 7,000 series	11	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Extruded shapes.	(NA)	249,171	-	249,171	249,844	-	249,844	245,078	-	245,078
33541 25	Alloys other than 2,000 and 7,000 series.	83	241,334	-	241,334	241,674	-	241,674	236,614	-	236,614
33541 28	Alloys in 2,000 and 7,000 series.	10	7,837	-	7,837	8,170	-	8,170	8,464	-	8,464
	All other.	(NA)	32,736	-	32,736	28,219	-	28,219	30,376	-	30,376
	Powder and paste.	(NA)	13,292	-	13,292	12,616	-	12,616	12,629	-	12,629
33991 13	Atomized.	5	8,544	-	8,544	7,567	-	7,567	8,227	-	8,227
33991 16	Other flake, powder and paste.	9	4,748	-	4,748	5,049	-	5,049	4,402	-	4,402
	Forgings and impacts.	(NA)	19,444	-	19,444	15,603	-	15,603	17,747	-	17,747
34635 21	Forgings.	18	14,742	-	14,742	11,738	-	11,738	14,151	-	14,151
34635 41	Impacts.	8	4,702	-	4,702	3,865	-	3,865	3,596	-	3,596
19002 00	Scrap receipts 4/.	(NA)	(NA)	470,488	(NA)	(NA)	495,541	(NA)	(NA)	475,229	(NA)

	Product description	No. of cos.	September			October		
			Gross shipments	Total receipts	Net shipments 1/	Gross shipments	Total receipts	Net shipments 1/
	Aluminum mill products.	(NA)	1,400,781	113,125	1,287,656	1,485,505	126,349	1,359,156
	Sheet, plate, and foil.	(NA)	956,751	73,156	883,595	1,006,899	75,297	931,602
	Sheet.	(NA)	830,471	73,156	757,315	867,891	75,297	792,594
33532 22	Non heat-treatable 2/.	24	807,219	73,156	734,063	844,072	75,297	768,775
33532 24	Heat-treatable.	11	23,252	-	23,252	23,819	-	23,819
	Plate.	(NA)	30,656	-	30,656	33,513	-	33,513
33531 15	Non heat-treatable.	7	9,255	-	9,255	8,166	-	8,166
33531 13	Heat-treatable.	7	21,401	-	21,401	25,347	-	25,347
33533 00	Foil.	13	95,624	-	95,624	105,495	-	105,495
	Rod, wire, and cable.	(NA)	102,375	33,975	68,400	109,212	46,174	63,038
	Rod and bare wire.	(NA)	46,837	33,975	12,862	47,212	46,174	1,038
33552 20	Drawing stock(redraw rod) 3/.	7	38,244	33,975	4,269	39,039	46,174	(7,135)
33501 31	Bare wire.	13	8,593	-	8,593	8,173	-	8,173
	Cable and insulated wire.	(NA)	55,538	-	55,538	62,000	-	62,000
33501 63	ACSR and aluminum cable,bare.	3	16,107	-	16,107	18,028	-	18,028
33570 99	Wire and cable, insulated or covered.	9	39,431	-	39,431	43,972	-	43,972
	Rod, bar, pipe, tube and shapes.	(NA)	310,715	5,994	304,721	338,033	4,878	333,155
	Rod and bar(rolled and extruded)	(NA)	35,668	5,994	29,674	38,045	4,878	33,167
33500 20	Alloys other than 2,000 and 7,000	14	(D)	(D)	(D)	(D)	(D)	(D)
33541 18	Alloys in 2,000 and 7,000 series	6	(D)	(D)	(D)	(D)	(D)	(D)
	Pipe and tube (extruded and drawn)	(NA)	29,775	(D)	29,775	32,942	(D)	32,942
33542 63	Alloys other than 2,000 and 7,000	22	(D)	(D)	(D)	(D)	(D)	(D)
33542 61	Alloys in 2,000 and 7,000 series	11	(D)	(D)	(D)	(D)	(D)	(D)
	Extruded shapes.	(NA)	245,272	-	245,272	267,046	-	267,046
33541 25	Alloys other than 2,000 and 7,000 series.	83	238,398	-	238,398	259,604	-	259,604
33541 28	Alloys in 2,000 and 7,000 series.	10	6,874	-	6,874	7,442	-	7,442
	All other.	(NA)	30,940	-	30,940	31,361	-	31,361
	Powder and paste.	(NA)	12,608	-	12,608	11,417	-	11,417
33991 13	Atomized.	5	8,036	-	8,036	7,980	-	7,980
33991 16	Other flake, powder and paste.	9	4,572	-	4,572	3,437	-	3,437
	Forgings and impacts.	(NA)	18,332	-	18,332	19,944	-	19,944
34635 21	Forgings.	18	14,191	-	14,191	15,461	-	15,461
34635 41	Impacts.	8	4,141	-	4,141	4,483	-	4,483
19002 00	Scrap receipts 4/.	(NA)	(NA)	412,701	(NA)	(NA)	459,137	(NA)

Continued

Table 2a. Shipments and Receipts of Aluminum Mill Products: 1998
[Thousands of pounds]

Product code	Product description	No. of cos.	November			December		
			Gross shipments	Total receipts	Net shipments 1/	Gross shipments	Total receipts	Net shipments 1/
	Aluminum mill products.	(NA)	1,319,880	101,207	1,218,673	1,293,383	99,158	1,194,225
	Sheet, plate, and foil.	(NA)	913,306	65,138	848,168	908,397	65,564	842,833
	Sheet.	(NA)	792,062	65,138	726,924	792,261	65,564	726,697
33532 22	Non heat-treatable 2/.	24	770,085	65,138	704,947	769,368	65,564	703,804
33532 24	Heat-treatable.	11	21,977	-	21,977	22,893	-	22,893
	Plate.	(NA)	31,548	-	31,548	32,051	-	32,051
33531 15	Non heat-treatable.	7	8,063	-	8,063	7,712	-	7,712
33531 13	Heat-treatable.	7	23,485	-	23,485	24,339	-	24,339
33533 00	Foil.	13	89,696	-	89,696	84,085	-	84,085
	Rod, wire, and cable.	(NA)	92,644	31,377	61,267	92,429	27,946	64,483
	Rod and bare wire.	(NA)	43,498	31,377	12,121	42,610	27,946	14,664
33552 20	Drawing stock(redraw rod) 3/.	7	36,067	31,377	4,690	34,155	27,946	6,209
33501 31	Bare wire.	13	7,431	-	7,431	8,455	-	8,455
	Cable and insulated wire.	(NA)	49,146	-	49,146	49,819	-	49,819
33501 63	ACSR and aluminum cable,bare.	3	14,045	-	14,045	15,262	-	15,262
33570 99	Wire and cable, insulated or covered.	9	35,101	-	35,101	34,557	-	34,557
	Rod, bar, pipe, tube and shapes.	(NA)	284,415	4,692	279,723	261,634	5,648	255,986
	Rod and bar(rolled and extruded)	(NA)	32,481	4,692	27,789	32,791	5,648	27,143
33500 20	Alloys other than 2,000 and 7,000	14	(D)	(D)	(D)	(D)	(D)	(D)
33541 18	Alloys in 2,000 and 7,000 series	6	(D)	(D)	(D)	(D)	(D)	(D)
	Pipe and tube (extruded and drawn)	(NA)	27,440	(D)	27,440	23,104	(D)	23,104
33542 63	Alloys other than 2,000 and 7,000	22	(D)	(D)	(D)	(D)	(D)	(D)
33542 61	Alloys in 2,000 and 7,000 series	11	(D)	(D)	(D)	(D)	(D)	(D)
	Extruded shapes.	(NA)	224,494	-	224,494	205,739	-	205,739
33541 25	Alloys other than 2,000 and 7,000 series.	83	217,780	-	217,780	199,500	-	199,500
33541 28	Alloys in 2,000 and 7,000 series.	10	6,714	-	6,714	6,239	-	6,239
	All other.	(NA)	29,515	-	29,515	30,923	-	30,923
	Powder and paste.	(NA)	13,691	-	13,691	10,811	-	10,811
33991 13	Atomized.	5	8,339	-	8,339	7,700	-	7,700
33991 16	Other flake, powder and paste.	9	5,352	-	5,352	3,111	-	3,111
	Forgings and impacts.	(NA)	15,824	-	15,824	20,112	-	20,112
34635 21	Forgings.	18	12,617	-	12,617	16,017	-	16,017
34635 41	Impacts.	8	3,207	-	3,207	4,095	-	4,095
19002 00	Scrap receipts 4/.	(NA)	(NA)	395,183	(NA)	(NA)	402,079	(NA)

- Represents zero. NA Not available. D Withheld to avoid disclosing data for individual companies.

1/Net shipments are derived by subtracting total receipts from gross shipments.

2/Receipts for "Heat-treatable sheet" are combined with "Non heat-treatable sheet" to avoid disclosing data for individual companies.

3/Receipts for "Bare wire" and "Cable and insulated wire" are included in "Drawing stock" to avoid disclosing data for individual companies.

4/Data for "Scrap" are not included in total "Aluminum mill products receipts" or "Net shipments."

Note: Total receipts includes domestic and import receipts data.

Table 2b. Shipments and Receipts of Aluminum Mill Products: 1997
[Thousands of pounds]

Product code	Product description	No. of cos.	Total			January			February		
			Gross shipments	Total receipts	Net shipments 1/	Gross shipments	Total receipts	Net shipments 1/	Gross shipments	Total receipts	Net shipments 1/
	Aluminum mill products.	(NA)	16,311,489	1,321,202	14,990,287	1,279,621	94,422	1,185,199	1,269,790	104,798	1,164,992
	Sheet, plate, and foil.	(NA)	11,165,874	775,043	10,390,831	887,635	51,092	836,543	877,125	60,248	816,877
	Sheet.	(NA)	9,624,301	775,043	8,849,258	764,036	51,092	712,944	753,853	60,248	693,605
33532 22	Non heat-treatable 2/.	22	9,344,069	775,043	8,569,026	740,642	51,092	689,550	730,506	60,248	670,258
33532 24	Heat-treatable.	10	280,232	-	280,232	23,394	-	23,394	23,347	-	23,347
	Plate.	(NA)	402,487	-	402,487	31,914	-	31,914	31,621	-	31,621
33531 15	Non heat-treatable.	6	112,867	-	112,867	9,462	-	9,462	9,994	-	9,994
33531 13	Heat-treatable.	4	289,620	-	289,620	22,452	-	22,452	21,627	-	21,627
33533 00	Foil.	13	1,139,086	-	1,139,086	91,685	-	91,685	91,651	-	91,651
	Rod, wire, and cable.	(NA)	1,140,801	446,287	694,514	90,735	33,159	57,576	87,327	34,476	52,851
	Rod and bare wire.	(NA)	504,370	446,287	58,083	40,419	33,159	7,260	41,839	34,476	7,363
33552 20	Drawing stock(redraw rod) 3/.	5	373,191	446,287	(73,096)	28,676	33,159	(4,483)	31,148	34,476	(3,328)
33501 31	Bare wire.	13	131,179	-	131,179	11,743	-	11,743	10,691	-	10,691
	Cable and insulated wire.	(NA)	636,431	-	636,431	50,316	-	50,316	45,488	-	45,488
33501 63	ACSR and aluminum cable,bare.	3	203,807	-	203,807	15,740	-	15,740	14,498	-	14,498
33570 99	Wire and cable, insulated or covered.	11	432,624	-	432,624	34,576	-	34,576	30,990	-	30,990
	Rod, bar, pipe, tube and shapes. ...	(NA)	3,646,886	99,872	3,547,014	272,681	10,171	262,510	276,425	10,074	266,351
	Rod and bar(rolled and extruded) ...	(NA)	471,565	99,872	371,693	37,946	10,171	27,775	39,511	10,074	29,437
33500 20	Alloys other than 2,000 and 7,000.	16	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
33541 18	Alloys in 2,000 and 7,000 series.	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Pipe and tube (extruded and drawn) ...	(NA)	341,442	(D)	341,442	27,381	(D)	27,381	27,033	(D)	27,033
33542 63	Alloys other than 2,000 and 7,000.	24	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
33542 61	Alloys in 2,000 and 7,000 series.	10	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Extruded shapes.	(NA)	2,833,879	-	2,833,879	207,354	-	207,354	209,881	-	209,881
33541 25	Alloys other than 2,000 and 7,000 series.	86	2,723,980	-	2,723,980	199,192	-	199,192	201,296	-	201,296
33541 28	Alloys in 2,000 and 7,000 series.	12	109,899	-	109,899	8,162	-	8,162	8,585	-	8,585
	All other.	(NA)	357,928	-	357,928	28,570	-	28,570	28,913	-	28,913
	Powder and paste.	(NA)	143,772	-	143,772	10,095	-	10,095	10,720	-	10,720
33991 13	Atomized.	6	90,127	-	90,127	6,850	-	6,850	7,006	-	7,006
33991 16	Other flake, powder and paste.	12	53,645	-	53,645	3,245	-	3,245	3,714	-	3,714
	Forgings and impacts.	(NA)	214,156	-	214,156	18,475	-	18,475	18,193	-	18,193
34635 21	Forgings.	20	157,325	-	157,325	13,878	-	13,878	13,710	-	13,710
34635 41	Impacts.	8	56,831	-	56,831	4,597	-	4,597	4,483	-	4,483
19002 00	Scrap receipts 4/.	(NA)	(NA)	7,025,589	(NA)	(NA)	586,470	(NA)	(NA)	589,250	(NA)
		No. of cos.	March			April			May		
			Gross shipments	Total receipts	Net shipments 1/	Gross shipments	Total receipts	Net shipments 1/	Gross shipments	Total receipts	Net shipments 1/
	Aluminum mill products.	(NA)	1,396,610	114,993	1,281,617	1,428,855	121,486	1,307,369	1,432,500	119,564	1,312,936
	Sheet, plate, and foil.	(NA)	954,201	68,242	885,959	987,612	69,258	918,354	999,456	76,530	922,926
	Sheet.	(NA)	826,283	68,242	758,041	849,311	69,258	780,053	863,143	76,530	786,613
33532 22	Non heat-treatable 2/.	22	803,685	68,242	735,443	824,272	69,258	755,014	837,946	76,530	761,416
33532 24	Heat-treatable.	10	22,598	-	22,598	25,039	-	25,039	25,197	-	25,197
	Plate.	(NA)	31,096	-	31,096	31,607	-	31,607	33,624	-	33,624
33531 15	Non heat-treatable.	6	9,634	-	9,634	10,497	-	10,497	9,829	-	9,829
33531 13	Heat-treatable.	4	21,462	-	21,462	21,110	-	21,110	23,795	-	23,795
33533 00	Foil.	13	96,822	-	96,822	106,694	-	106,694	102,689	-	102,689
	Rod, wire, and cable.	(NA)	97,021	37,241	59,780	104,439	42,944	61,495	98,179	35,854	62,325
	Rod and bare wire.	(NA)	43,547	37,241	6,306	44,921	42,944	1,977	45,267	35,854	9,413
33552 20	Drawing stock(redraw rod) 3/.	5	32,714	37,241	(4,527)	34,264	42,944	(8,680)	35,092	35,854	(762)
33501 31	Bare wire.	13	10,833	-	10,833	10,657	-	10,657	10,175	-	10,175
	Cable and insulated wire.	(NA)	53,474	-	53,474	59,518	-	59,518	52,912	-	52,912
33501 63	ACSR and aluminum cable,bare.	3	18,447	-	18,447	19,200	-	19,200	18,577	-	18,577
33570 99	Wire and cable, insulated or covered.	11	35,027	-	35,027	40,318	-	40,318	34,335	-	34,335
	Rod, bar, pipe, tube and shapes. ...	(NA)	315,617	9,510	306,107	304,877	9,284	295,593	305,093	7,180	297,913
	Rod and bar(rolled and extruded) ...	(NA)	43,073	9,510	33,563	39,949	9,284	30,665	38,898	7,180	31,718
33500 20	Alloys other than 2,000 and 7,000.	16	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
33541 18	Alloys in 2,000 and 7,000 series.	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Pipe and tube (extruded and drawn) ...	(NA)	28,298	(D)	28,298	31,528	(D)	31,528	27,448	(D)	27,448
33542 63	Alloys other than 2,000 and 7,000.	24	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
33542 61	Alloys in 2,000 and 7,000 series.	10	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Extruded shapes.	(NA)	244,246	-	244,246	233,400	-	233,400	238,747	-	238,747
33541 25	Alloys other than 2,000 and 7,000 series.	86	235,022	-	235,022	224,261	-	224,261	229,249	-	229,249
33541 28	Alloys in 2,000 and 7,000 series.	12	9,224	-	9,224	9,139	-	9,139	9,498	-	9,498
	All other.	(NA)	29,771	-	29,771	31,927	-	31,927	29,772	-	29,772
	Powder and paste.	(NA)	11,362	-	11,362	11,553	-	11,553	12,372	-	12,372
33991 13	Atomized.	6	7,283	-	7,283	7,253	-	7,253	8,426	-	8,426
33991 16	Other flake, powder and paste.	12	4,079	-	4,079	4,300	-	4,300	3,946	-	3,946
	Forgings and impacts.	(NA)	18,409	-	18,409	20,374	-	20,374	17,400	-	17,400
34635 21	Forgings.	20	13,719	-	13,719	15,266	-	15,266	12,624	-	12,624
34635 41	Impacts.	8	4,690	-	4,690	5,108	-	5,108	4,776	-	4,776
19002 00	Scrap receipts 4/.	(NA)	(NA)	649,000	(NA)	(NA)	647,980	(NA)	(NA)	654,847	(NA)

Continued

Table 2b. Shipments and Receipts of Aluminum Mill Products: 1997
[Thousands of pounds]

Product code	Product description	No. of cos.	June			July			August		
			Gross shipments	Total receipts	Net shipments 1/	Gross shipments	Total receipts	Net shipments 1/	Gross shipments	Total receipts	Net shipments 1/
	Aluminum mill products.	(NA)	1,414,058	110,911	1,303,147	1,372,433	118,760	1,253,673	1,400,471	112,351	1,288,120
	Sheet, plate, and foil.	(NA)	958,222	65,443	892,779	942,990	75,080	867,910	954,416	69,798	884,618
	Sheet.	(NA)	825,050	65,443	759,607	795,865	75,080	720,785	830,036	69,798	760,238
33532 22	Non heat-treatable 2/.	22	801,749	65,443	736,306	772,839	75,080	697,759	806,441	69,798	736,643
33532 24	Heat-treatable.	10	23,301	-	23,301	23,026	-	23,026	23,595	-	23,595
	Plate.	(NA)	34,786	-	34,786	33,607	-	33,607	34,470	-	34,470
33531 15	Non heat-treatable.	6	10,671	-	10,671	10,662	-	10,662	8,987	-	8,987
33531 13	Heat-treatable.	4	24,115	-	24,115	22,945	-	22,945	25,483	-	25,483
33533 00	Foil.	13	98,386	-	98,386	113,518	-	113,518	89,910	-	89,910
	Rod, wire, and cable.	(NA)	100,522	35,968	64,554	94,983	36,230	58,753	98,968	36,237	62,731
	Rod and bare wire.	(NA)	44,875	35,968	8,907	40,340	36,230	4,110	42,435	36,237	6,198
33552 20	Drawing stock(redraw rod) 3/.	5	33,410	35,968	(2,558)	29,559	36,230	(6,671)	31,613	36,237	(4,624)
33501 31	Bare wire.	13	11,465	-	11,465	10,781	-	10,781	10,822	-	10,822
	Cable and insulated wire.	(NA)	55,647	-	55,647	54,643	-	54,643	56,533	-	56,533
33501 63	ACSR and aluminum cable,bare.	3	19,676	-	19,676	19,176	-	19,176	17,769	-	17,769
33570 99	Wire and cable, insulated or covered.	11	35,971	-	35,971	35,467	-	35,467	38,764	-	38,764
	Rod, bar, pipe, tube and shapes.	(NA)	326,604	9,500	317,104	304,314	7,450	296,864	315,917	6,316	309,601
	Rod and bar(rolled and extruded)	(NA)	42,953	9,500	33,453	34,805	7,450	27,355	34,946	6,316	28,630
33500 20	Alloys other than 2,000 and 7,000	16	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
33541 18	Alloys in 2,000 and 7,000 series	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Pipe and tube (extruded and drawn)	(NA)	29,852	(D)	29,852	26,738	(D)	26,738	29,246	(D)	29,246
33542 63	Alloys other than 2,000 and 7,000	24	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
33542 61	Alloys in 2,000 and 7,000 series	10	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Extruded shapes.	(NA)	253,799	-	253,799	242,771	-	242,771	251,725	-	251,725
33541 25	Alloys other than 2,000 and 7,000 series.	86	244,049	-	244,049	233,876	-	233,876	242,542	-	242,542
33541 28	Alloys in 2,000 and 7,000 series.	12	9,750	-	9,750	8,895	-	8,895	9,183	-	9,183
	All other.	(NA)	28,710	-	28,710	30,146	-	30,146	31,170	-	31,170
	Powder and paste.	(NA)	11,280	-	11,280	12,096	-	12,096	12,391	-	12,391
33991 13	Atomized.	6	7,715	-	7,715	7,370	-	7,370	7,653	-	7,653
33991 16	Other flake, powder and paste.	12	3,565	-	3,565	4,726	-	4,726	4,738	-	4,738
	Forgings and impacts.	(NA)	17,430	-	17,430	18,050	-	18,050	18,779	-	18,779
34635 21	Forgings.	20	11,350	-	11,350	13,730	-	13,730	13,638	-	13,638
34635 41	Impacts.	8	6,080	-	6,080	4,320	-	4,320	5,141	-	5,141
19002 00	Scrap receipts 4/.	(NA)	(NA)	556,280	(NA)	(NA)	570,760	(NA)	(NA)	558,437	(NA)
		No. of cos.	September			October					
			Gross shipments	Total receipts	Net shipments 1/	Gross shipments	Total receipts	Net shipments 1/			
	Aluminum mill products.	(NA)	1,419,206	112,722	1,306,484	1,402,184	116,715	1,285,469			
	Sheet, plate, and foil.	(NA)	960,182	63,443	896,739	941,440	64,554	876,886			
	Sheet.	(NA)	833,078	63,443	769,635	810,730	64,554	746,176			
33532 22	Non heat-treatable 2/.	22	808,428	63,443	744,985	786,070	64,554	721,516			
33532 24	Heat-treatable.	10	24,650	-	24,650	24,660	-	24,660			
	Plate.	(NA)	35,719	-	35,719	37,180	-	37,180			
33531 15	Non heat-treatable.	6	8,838	-	8,838	8,397	-	8,397			
33531 13	Heat-treatable.	4	26,881	-	26,881	28,783	-	28,783			
33533 00	Foil.	13	91,385	-	91,385	93,530	-	93,530			
	Rod, wire, and cable.	(NA)	97,298	40,470	56,828	100,465	44,611	55,854			
	Rod and bare wire.	(NA)	42,586	40,470	2,116	39,058	44,611	(5,553)			
33552 20	Drawing stock(redraw rod) 3/.	5	31,505	40,470	(8,965)	27,749	44,611	(16,862)			
33501 31	Bare wire.	13	11,081	-	11,081	11,309	-	11,309			
	Cable and insulated wire.	(NA)	54,712	-	54,712	61,407	-	61,407			
33501 63	ACSR and aluminum cable,bare.	3	15,906	-	15,906	18,128	-	18,128			
33570 99	Wire and cable, insulated or covered.	11	38,806	-	38,806	43,279	-	43,279			
	Rod, bar, pipe, tube and shapes.	(NA)	330,980	8,809	322,171	327,075	7,550	319,525			
	Rod and bar(rolled and extruded)	(NA)	40,580	8,809	31,771	39,009	7,550	31,459			
33500 20	Alloys other than 2,000 and 7,000	16	(D)	(D)	(D)	(D)	(D)	(D)			
33541 18	Alloys in 2,000 and 7,000 series	6	(D)	(D)	(D)	(D)	(D)	(D)			
	Pipe and tube (extruded and drawn)	(NA)	29,727	(D)	29,727	31,740	(D)	31,740			
33542 63	Alloys other than 2,000 and 7,000	24	(D)	(D)	(D)	(D)	(D)	(D)			
33542 61	Alloys in 2,000 and 7,000 series	10	(D)	(D)	(D)	(D)	(D)	(D)			
	Extruded shapes.	(NA)	260,673	-	260,673	256,326	-	256,326			
33541 25	Alloys other than 2,000 and 7,000 series.	86	250,891	-	250,891	246,300	-	246,300			
33541 28	Alloys in 2,000 and 7,000 series.	12	9,782	-	9,782	10,026	-	10,026			
	All other.	(NA)	30,746	-	30,746	33,204	-	33,204			
	Powder and paste.	(NA)	13,430	-	13,430	13,396	-	13,396			
33991 13	Atomized.	6	8,162	-	8,162	7,439	-	7,439			
33991 16	Other flake, powder and paste.	12	5,268	-	5,268	5,957	-	5,957			
	Forgings and impacts.	(NA)	17,316	-	17,316	19,808	-	19,808			
34635 21	Forgings.	20	12,457	-	12,457	15,056	-	15,056			
34635 41	Impacts.	8	4,859	-	4,859	4,752	-	4,752			
19002 00	Scrap receipts 4/.	(NA)	(NA)	580,716	(NA)	(NA)	579,756	(NA)			

Table 2b. Shipments and Receipts of Aluminum Mill Products: 1997
[Thousands of pounds]

Product code	Product description	No. of cos.	November			December		
			Gross shipments	Total receipts	Net shipments 1/	Gross shipments	Total receipts	Net shipments 1/
	Aluminum mill products.	(NA)	1,248,116	100,907	1,147,209	1,247,645	93,573	1,154,072
	Sheet, plate, and foil.	(NA)	844,429	56,061	788,368	858,166	55,294	802,872
	Sheet.	(NA)	727,404	56,061	671,343	745,512	55,294	690,218
33532 22	Non heat-treatable 2/.	22	707,862	56,061	651,801	723,629	55,294	668,335
33532 24	Heat-treatable.	10	19,542	-	19,542	21,883	-	21,883
	Plate.	(NA)	31,565	-	31,565	35,298	-	35,298
33531 15	Non heat-treatable.	6	6,900	-	6,900	8,996	-	8,996
33531 13	Heat-treatable.	4	24,665	-	24,665	26,302	-	26,302
33533 00	Foil.	13	85,460	-	85,460	77,356	-	77,356
	Rod, wire, and cable.	(NA)	84,761	37,938	46,823	86,103	31,159	54,944
	Rod and bare wire.	(NA)	38,824	37,938	886	40,259	31,159	9,100
33552 20	Drawing stock(redraw rod) 3/.	5	29,020	37,938	(8,918)	28,441	31,159	(2,718)
33501 31	Bare wire.	13	9,804	-	9,804	11,818	-	11,818
	Cable and insulated wire.	(NA)	45,937	-	45,937	45,844	-	45,844
33501 63	ACSR and aluminum cable,bare.	3	13,134	-	13,134	13,556	-	13,556
33570 99	Wire and cable, insulated or covered.	11	32,803	-	32,803	32,288	-	32,288
	Rod, bar, pipe, tube and shapes.	(NA)	293,091	6,908	286,183	274,212	7,120	267,092
	Rod and bar(rolled and extruded)	(NA)	38,881	6,908	31,973	41,014	7,120	33,894
33500 20	Alloys other than 2,000 and 7,000	16	(D)	(D)	(D)	(D)	(D)	(D)
33541 18	Alloys in 2,000 and 7,000 series	6	(D)	(D)	(D)	(D)	(D)	(D)
	Pipe and tube (extruded and drawn)	(NA)	26,221	(D)	26,221	26,230	(D)	26,230
33542 63	Alloys other than 2,000 and 7,000	24	(D)	(D)	(D)	(D)	(D)	(D)
33542 61	Alloys in 2,000 and 7,000 series	10	(D)	(D)	(D)	(D)	(D)	(D)
	Extruded shapes.	(NA)	227,989	-	227,989	206,968	-	206,968
33541 25	Alloys other than 2,000 and 7,000 series.	86	219,091	-	219,091	198,211	-	198,211
33541 28	Alloys in 2,000 and 7,000 series.	12	8,898	-	8,898	8,757	-	8,757
	All other.	(NA)	25,835	-	25,835	29,164	-	29,164
	Powder and paste.	(NA)	10,942	-	10,942	14,135	-	14,135
33991 13	Atomized.	6	6,590	-	6,590	8,380	-	8,380
33991 16	Other flake, powder and paste.	12	4,352	-	4,352	5,755	-	5,755
	Forgings and impacts.	(NA)	14,893	-	14,893	15,029	-	15,029
34635 21	Forgings.	20	11,058	-	11,058	10,839	-	10,839
34635 41	Impacts.	8	3,835	-	3,835	4,190	-	4,190
19002 00	Scrap receipts 4/.	(NA)	(NA)	534,535	(NA)	(NA)	517,558	(NA)

- Represents zero. NA Not available. D Withheld to avoid disclosing data for individual companies.

1/Net shipments are derived by subtracting total receipts from gross shipments.

2/Receipts for "Heat-treatable sheet" are combined with "Non heat-treatable sheet" to avoid disclosing data for individual companies.

3/Receipts for "Bare wire" and "Cable and insulated wire" are included in "Drawing stock" to avoid disclosing data for individual companies.

4/Data for "Scrap" are not included in total "Aluminum mill products receipts" or "Net shipments."

Note: Total receipts includes domestic and import receipts data.

Table 3. Inventories of Aluminum Ingot, Mill Products, and Scrap by Type of Producer: 1998 and 1997
[Thousands of pounds]

Product description	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1998												
Total.	4,103,848	4,095,307	4,083,385	4,105,108	4,117,722	4,121,505	4,172,174	4,075,409	4,026,869	3,977,817	3,985,337	4,109,145
Integrated.	2,865,292	2,841,483	2,799,768	2,752,466	2,751,566	2,698,475	2,715,494	2,630,915	2,611,335	2,567,431	2,580,658	2,673,088
Nonintegrated.	1,008,506	1,017,475	1,050,191	1,122,778	1,148,943	1,205,499	1,226,111	1,211,489	1,197,550	1,189,620	1,185,652	1,213,390
Smelters.	230,050	236,349	233,426	229,864	217,213	217,531	230,569	233,005	217,984	220,766	219,027	222,667
Ingot.	1,443,255	1,421,979	1,457,764	1,418,864	1,419,794	1,429,947	1,481,012	1,465,423	1,400,409	1,377,822	1,393,284	1,403,017
Integrated 1/.	984,910	957,552	981,836	964,943	947,661	954,593	976,735	975,648	928,995	905,757	927,683	941,733
Nonintegrated 1/.	350,827	356,682	372,564	351,791	370,477	376,078	394,318	375,568	364,732	364,498	354,570	353,779
Smelters 1/.	107,518	107,745	103,364	102,130	101,656	99,276	109,959	114,207	106,682	107,567	111,031	107,505
Scrap.	668,125	662,831	639,715	681,841	679,826	712,089	743,308	731,699	727,233	710,166	679,684	739,761
Integrated 1/.	366,070	361,028	332,691	332,534	343,889	351,148	371,403	355,972	352,024	350,222	328,987	357,540
Nonintegrated 1/.	179,523	173,199	176,962	221,573	220,380	242,686	251,295	256,929	263,907	246,745	242,701	267,059
Smelters 1/.	122,532	128,604	130,062	127,734	115,557	118,255	120,610	118,798	111,302	113,199	107,996	115,162
Other.	1,992,468	2,010,497	1,985,906	2,004,403	2,018,102	1,979,469	1,947,854	1,878,287	1,899,227	1,889,829	1,912,369	1,966,367
Integrated 1/.	1,514,312	1,522,903	1,485,241	1,454,989	1,460,016	1,392,734	1,367,356	1,299,295	1,330,316	1,311,452	1,323,988	1,373,815
Nonintegrated 1 2/.	478,156	487,594	500,665	549,414	558,086	586,735	580,498	578,992	568,911	578,377	588,381	592,552
Smelters 1/.	-	-	-	-	-	-	-	-	-	-	-	-
1997												
Total.	4,072,767	4,070,729	4,038,761	4,032,349	4,007,682	4,022,979	3,982,640	4,051,340	4,021,479	4,015,360	4,072,604	4,106,481
Integrated.	2,823,332	2,861,248	2,847,317	2,826,478	2,807,615	2,815,239	2,808,313	2,830,262	2,827,839	2,822,420	2,854,289	2,880,668
Nonintegrated.	1,052,448	1,021,019	1,000,428	1,022,932	1,018,897	1,016,196	973,443	1,026,820	1,000,831	994,828	1,021,706	1,022,007
Smelters.	196,987	188,462	191,016	182,939	181,170	191,544	200,884	194,258	192,809	198,112	196,609	203,806
Ingot.	1,450,010	1,457,408	1,412,279	1,422,420	1,383,690	1,423,941	1,371,225	1,359,884	1,343,234	1,349,313	1,383,906	1,444,268
Integrated 3/.	1,043,193	1,045,462	1,012,418	1,023,209	1,008,996	1,027,062	997,762	982,532	969,658	984,636	1,009,320	1,029,129
Nonintegrated 3/.	318,857	322,646	307,260	304,733	281,876	298,103	277,275	282,472	284,449	274,307	280,727	313,787
Smelters 3/.	87,960	89,300	92,601	94,478	92,818	98,776	96,188	94,880	89,127	90,370	93,859	101,352
Scrap.	732,735	694,142	657,160	661,009	649,079	637,647	700,840	694,371	687,403	690,465	655,908	680,069
Integrated 3/.	375,506	357,347	337,448	338,262	341,246	327,746	373,261	363,811	359,878	360,510	338,414	366,339
Nonintegrated 3/.	248,202	237,633	221,297	234,286	219,481	217,133	222,883	231,182	223,843	222,213	214,744	211,276
Smelters 3/.	109,027	99,162	98,415	88,461	88,352	92,768	104,696	99,378	103,682	107,742	102,750	102,454
Other.	1,890,022	1,919,179	1,969,322	1,948,920	1,974,913	1,961,391	1,910,575	1,997,085	1,990,842	1,975,582	2,032,790	1,982,144
Integrated 3/.	1,404,633	1,458,439	1,497,451	1,465,007	1,457,373	1,460,431	1,437,290	1,483,919	1,498,303	1,477,274	1,506,555	1,485,200
Nonintegrated 2 3/.	485,389	460,740	471,871	483,913	517,540	500,960	473,285	513,166	492,539	498,308	526,235	496,944
Smelters 3/.	-	-	-	-	-	-	-	-	-	-	-	-

- Represents zero.

1/The number of companies reporting aluminum inventory data for December 1998 only are: ingot integrated 13; ingot nonintegrated 119; ingot smelters 20; scrap integrated 13; scrap nonintegrated 119; scrap smelters 17; other integrated 11; other nonintegrated 128; and other smelters 3.

2/Data for "All other smelters" are combined with "All other nonintegrated smelters" to avoid disclosing data for individual companies.

3/The number of companies reporting aluminum inventory data for December 1997 only are: ingot integrated 14; ingot nonintegrated 125; ingot smelters 21; scrap integrated 14; scrap nonintegrated 126; scrap smelters 18; other integrated 11; other nonintegrated 142; and other smelters 3.

Table 4a. Gross Shipments of Aluminum Mill Products by Type of Producer: 1998
[Thousands of pounds]

Product description	Total	Integrated	Noninte- grated	Total	Integrated	Noninte- grated	Total	Integrated	Noninte- grated
	Total			January			February		
Total	16,545,857	11,226,821	5,319,036	1,347,263	923,266	423,997	1,274,055	871,573	402,482
Sheet, plate, and foil.	11,278,670	8,736,219	2,542,451	910,881	712,342	198,539	856,600	671,285	185,315
Drawing stock, wire, and cable. . .	1,192,477	826,099	366,378	94,510	67,232	27,278	92,863	63,556	29,307
Rod and bare wire.	545,514	444,245	101,269	43,350	37,555	5,795	43,485	35,064	8,421
Cable and insulated wire.	646,963	381,854	265,109	51,160	29,677	21,483	49,378	28,492	20,886
Rod, bar, pipe, tube, and shapes. .	3,714,040	1,499,169	2,214,871	313,567	131,070	182,497	295,879	124,162	171,717
All other 1/.	360,670	165,334	195,336	28,305	12,622	15,683	28,713	12,570	16,143
	March			April			May		
Total	1,410,196	957,092	453,104	1,417,721	963,032	454,689	1,381,492	944,440	437,052
Sheet, plate, and foil.	951,590	739,548	212,042	947,211	736,517	210,694	952,350	742,683	209,667
Drawing stock, wire, and cable. . .	108,032	74,954	33,078	107,387	72,879	34,508	93,771	65,865	27,906
Rod and bare wire.	51,365	41,542	9,823	48,382	39,599	8,783	45,325	37,045	8,280
Cable and insulated wire.	56,667	33,412	23,255	59,005	33,280	25,725	48,446	28,820	19,626
Rod, bar, pipe, tube, and shapes. .	320,091	127,983	192,108	333,179	139,710	193,469	306,216	122,643	183,573
All other 1/.	30,483	14,607	15,876	29,944	13,926	16,018	29,155	13,249	15,906
	June			July			August		
Total	1,408,101	941,898	466,203	1,412,260	963,686	448,574	1,395,220	940,582	454,638
Sheet, plate, and foil.	956,544	736,768	219,776	966,154	755,348	210,806	951,987	734,412	217,575
Drawing stock, wire, and cable. . .	99,433	65,353	34,080	98,897	66,859	32,038	100,924	70,514	30,410
Rod and bare wire.	43,675	34,422	9,253	44,991	36,337	8,654	44,784	37,091	7,693
Cable and insulated wire.	55,758	30,931	24,827	53,906	30,522	23,384	56,140	33,423	22,717
Rod, bar, pipe, tube, and shapes. .	319,388	124,705	194,683	318,990	129,447	189,543	311,933	122,452	189,481
All other 1/.	32,736	15,072	17,664	28,219	12,032	16,187	30,376	13,204	17,172
	September			October					
Total	1,400,781	946,051	454,730	1,485,505	1,000,917	484,588			
Sheet, plate, and foil.	956,751	738,222	218,529	1,006,899	770,397	236,502			
Drawing stock, wire, and cable. . .	102,375	72,949	29,426	109,212	75,406	33,806			
Rod and bare wire.	46,837	37,519	9,318	47,212	38,700	8,512			
Cable and insulated wire.	55,538	35,430	20,108	62,000	36,706	25,294			
Rod, bar, pipe, tube, and shapes. .	310,715	120,491	190,224	338,033	139,798	198,235			
All other 1/.	30,940	14,389	16,551	31,361	15,316	16,045			
	November			December					
Total	1,319,880	887,097	432,783	1,293,383	887,187	406,196			
Sheet, plate, and foil.	913,306	696,614	216,692	908,397	702,083	206,314			
Drawing stock, wire, and cable. . .	92,644	65,584	27,060	92,429	64,948	27,481			
Rod and bare wire.	43,498	35,830	7,668	42,610	33,541	9,069			
Cable and insulated wire.	49,146	29,754	19,392	49,819	31,407	18,412			
Rod, bar, pipe, tube, and shapes. .	284,415	112,262	172,153	261,634	104,446	157,188			
All other 1/.	29,515	12,637	16,878	30,923	15,710	15,213			

1/Data for shipments of "All other" include "Powder and paste" and "Forgings and impacts."

Table 4b. Gross Shipments of Aluminum Mill Products by Type of Producer: 1997
[Thousands of pounds]

Product description	Total	Integrated	Noninte- grated	Total	Integrated	Noninte- grated	Total	Integrated	Noninte- grated
	Total			January			February		
Total	16,311,489	11,161,846	5,149,643	1,279,621	882,550	397,071	1,269,790	874,914	394,876
Sheet, plate, and foil.	11,165,874	8,734,873	2,431,001	887,635	692,563	195,072	877,125	684,646	192,479
Drawing stock, wire, and cable. . .	1,140,801	787,621	353,180	90,735	61,582	29,153	87,327	58,618	28,709
Rod and bare wire.	504,370	414,227	90,143	40,419	32,261	8,158	41,839	34,397	7,442
Cable and insulated wire.	636,431	373,394	263,037	50,316	29,321	20,995	45,488	24,221	21,267
Rod, bar, pipe, tube, and shapes. .	3,646,886	1,458,010	2,188,876	272,681	111,882	160,799	276,425	115,715	160,710
All other 1/.	357,928	181,342	176,586	28,570	16,523	12,047	28,913	15,935	12,978
	March			April			May		
Total	1,396,610	975,099	421,511	1,428,855	972,410	456,445	1,432,500	977,032	455,468
Sheet, plate, and foil.	954,201	758,925	195,276	987,612	765,738	221,874	999,456	770,995	228,461
Drawing stock, wire, and cable. . .	97,021	68,335	28,686	104,439	71,472	32,967	98,179	71,143	27,036
Rod and bare wire.	43,547	36,046	7,501	44,921	37,399	7,522	45,267	38,044	7,223
Cable and insulated wire.	53,474	32,289	21,185	59,518	34,073	25,445	52,912	33,099	19,813
Rod, bar, pipe, tube, and shapes. .	315,617	131,678	183,939	304,877	118,409	186,468	305,093	119,613	185,480
All other 1/.	29,771	16,161	13,610	31,927	16,791	15,136	29,772	15,281	14,491
	June			July			August		
Total	1,414,058	963,010	451,048	1,372,433	957,140	415,293	1,400,471	947,659	452,812
Sheet, plate, and foil.	958,222	743,224	214,998	942,990	765,904	177,086	954,416	743,861	210,555
Drawing stock, wire, and cable. . .	100,522	71,159	29,363	94,983	66,009	28,974	98,968	68,828	30,140
Rod and bare wire.	44,875	37,278	7,597	40,340	32,850	7,490	42,435	35,284	7,151
Cable and insulated wire.	55,647	33,881	21,766	54,643	33,159	21,484	56,533	33,544	22,989
Rod, bar, pipe, tube, and shapes. .	326,604	134,546	192,058	304,314	109,382	194,932	315,917	119,324	196,593
All other 1/.	28,710	14,081	14,629	30,146	15,845	14,301	31,170	15,646	15,524
	September			October					
Total	1,419,206	964,058	455,148	1,402,184	941,632	460,552			
Sheet, plate, and foil.	960,182	746,898	213,284	941,440	734,113	207,327			
Drawing stock, wire, and cable. . .	97,298	66,692	30,606	100,465	66,715	33,750			
Rod and bare wire.	42,586	35,037	7,549	39,058	31,516	7,542			
Cable and insulated wire.	54,712	31,655	23,057	61,407	35,199	26,208			
Rod, bar, pipe, tube, and shapes. .	330,980	135,160	195,820	327,075	124,681	202,394			
All other 1/.	30,746	15,308	15,438	33,204	16,123	17,081			
	November			December					
Total	1,248,116	847,933	400,183	1,247,645	858,409	389,236			
Sheet, plate, and foil.	844,429	659,110	185,319	858,166	668,896	189,270			
Drawing stock, wire, and cable. . .	84,761	58,852	25,909	86,103	58,216	27,887			
Rod and bare wire.	38,824	32,512	6,312	40,259	31,603	8,656			
Cable and insulated wire.	45,937	26,340	19,597	45,844	26,613	19,231			
Rod, bar, pipe, tube, and shapes. .	293,091	118,546	174,545	274,212	119,074	155,138			
All other 1/.	25,835	11,425	14,410	29,164	12,223	16,941			

1/Data for shipments of "All other" include "Powder and paste" and "Forgings and impacts."

Table 5a. Net Shipments of Aluminum Mill Products: 1998
[Thousands of pounds]

Product description	Year-to- date	Jan.	Feb.	Mar.	Apr.	May	June
Aluminum mill products. . .	15,178,655	1,235,858	1,166,333	1,299,440	1,291,999	1,262,841	1,293,655
Total receipts.	1,367,202	111,405	107,722	110,756	125,722	118,651	114,446
Sheet, plate, and foil. . . .	10,444,405	842,472	795,459	889,027	871,573	880,908	886,118
Sheet, plate, and foil							
total receipts.	834,265	68,409	61,141	62,563	75,638	71,442	70,426
Sheet.	8,883,023	710,853	669,860	750,941	734,308	748,268	756,489
Non heat-treatable. . . .	8,599,136	685,701	645,869	724,063	709,625	722,192	732,583
Heat-treatable.	283,887	25,152	23,991	26,878	24,683	26,076	23,906
Plate.	408,596	39,169	33,573	37,063	36,356	36,363	33,651
Non heat-treatable. . . .	105,982	8,880	7,622	10,323	10,279	10,626	8,440
Heat-treatable.	302,614	30,289	25,951	26,740	26,077	25,737	25,211
Foil.	1,152,786	92,450	92,026	101,023	100,909	96,277	95,978
Rod, wire, and cable. . . .	736,191	58,423	53,717	68,586	64,057	54,121	62,130
Rod and bare wire							
total receipts.	456,286	36,087	39,146	39,446	43,330	39,650	37,303
Rod and bare wire. . . .	89,228	7,263	4,339	11,919	5,052	5,675	6,372
Drawing stock							
(redraw rod).	(12,818)	(2,467)	(4,046)	3,396	(4,485)	(2,921)	(2,378)
Bare wire.	102,046	9,730	8,385	8,523	9,537	8,596	8,750
Cable and insulated wire.	646,963	51,160	49,378	56,667	59,005	48,446	55,758
ACSR and aluminum							
cable, bare.	193,431	18,011	15,469	17,303	19,482	14,121	15,080
Wire and cable,							
insulated or covered.	453,532	33,149	33,909	39,364	39,523	34,325	40,678
Rod, bar, pipe, tube							
and shapes.	3,637,389	306,658	288,444	311,344	326,425	298,657	312,671
Rod, bar, pipe, tube							
and shapes, total							
receipts.	76,651	6,909	7,435	8,747	6,754	7,559	6,717
Rod and bar (rolled							
and extruded).	392,154	38,193	35,755	34,168	39,027	33,437	32,106
Alloys other than 2,000							
and 7,000 series. . . .	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Alloys in 2,000 and							
7,000 series.	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Pipe and tube (extruded							
and drawn).	359,250	30,218	28,558	30,103	33,010	29,718	31,394
Alloys other than 2,000							
and 7,000 series. . . .	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Alloys in 2,000 and							
7,000 series.	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Extruded shapes.	2,885,985	238,247	224,131	247,073	254,388	235,502	249,171
Alloys other than 2,000							
and 7,000 series. . . .	2,793,216	230,299	216,099	238,349	246,180	227,385	241,334
Alloys in 2,000 and							
7,000 series.	92,769	7,948	8,032	8,724	8,208	8,117	7,837
All other	360,670	28,305	28,713	30,483	29,944	29,155	32,736
Powder and paste.	145,980	12,168	12,261	11,260	11,554	11,673	13,292
Atomized.	96,150	7,906	8,084	7,705	7,762	8,300	8,544
Other flake, powder							
and paste.	49,830	4,262	4,177	3,555	3,792	3,373	4,748
Forgings and impacts. . . .	214,690	16,137	16,452	19,223	18,390	17,482	19,444
Forgings.	164,170	12,116	12,168	14,184	13,868	12,917	14,742
Impacts.	50,520	4,021	4,284	5,039	4,522	4,565	4,702
Scrap receipts 1/.	5,679,696	506,315	491,216	507,876	569,659	494,272	470,488

Continued

Table 5a. Net Shipments of Aluminum Mill Products: 1998
[Thousands of pounds]

Product description	July	Aug.	Sep.	Oct.	Nov.	Dec.
Aluminum mill products. . .	1,293,594	1,275,225	1,287,656	1,359,156	1,218,673	1,194,225
Total receipts.	118,666	119,995	113,125	126,349	101,207	99,158
Sheet, plate, and foil. . . .	891,155	881,495	883,595	931,602	848,168	842,833
Sheet, plate, and foil						
total receipts.	74,999	70,492	73,156	75,297	65,138	65,564
Sheet.	759,713	749,061	757,315	792,594	726,924	726,697
Non heat-treatable. . . .	739,327	728,187	734,063	768,775	704,947	703,804
Heat-treatable.	20,386	20,874	23,252	23,819	21,977	22,893
Plate.	33,509	31,144	30,656	33,513	31,548	32,051
Non heat-treatable. . . .	8,157	8,459	9,255	8,166	8,063	7,712
Heat-treatable.	25,352	22,685	21,401	25,347	23,485	24,339
Foil.	97,933	101,290	95,624	105,495	89,696	84,085
Rod, wire, and cable. . . .	60,468	57,501	68,400	63,038	61,267	64,483
Rod and bare wire						
total receipts.	38,429	43,423	33,975	46,174	31,377	27,946
Rod and bare wire. . . .	6,562	1,361	12,862	1,038	12,121	14,664
Drawing stock						
(redraw rod).	(1,383)	(6,567)	4,269	(7,135)	4,690	6,209
Bare wire.	7,945	7,928	8,593	8,173	7,431	8,455
Cable and insulated wire.	53,906	56,140	55,538	62,000	49,146	49,819
ACSR and aluminum						
cable, bare.	14,830	15,693	16,107	18,028	14,045	15,262
Wire and cable,						
insulated or covered.	39,076	40,447	39,431	43,972	35,101	34,557
Rod, bar, pipe, tube						
and shapes.	313,752	305,853	304,721	333,155	279,723	255,986
Rod, bar, pipe, tube						
and shapes, total						
receipts.	5,238	6,080	5,994	4,878	4,692	5,648
Rod and bar (rolled						
and extruded).	31,556	30,139	29,674	33,167	27,789	27,143
Alloys other than 2,000						
and 7,000 series. . . .	(D)	(D)	(D)	(D)	(D)	(D)
Alloys in 2,000 and						
7,000 series.	(D)	(D)	(D)	(D)	(D)	(D)
Pipe and tube (extruded						
and drawn)	32,352	30,636	29,775	32,942	27,440	23,104
Alloys other than 2,000						
and 7,000 series. . . .	(D)	(D)	(D)	(D)	(D)	(D)
Alloys in 2,000 and						
7,000 series.	(D)	(D)	(D)	(D)	(D)	(D)
Extruded shapes.	249,844	245,078	245,272	267,046	224,494	205,739
Alloys other than 2,000						
and 7,000 series. . . .	241,674	236,614	238,398	259,604	217,780	199,500
Alloys in 2,000 and						
7,000 series.	8,170	8,464	6,874	7,442	6,714	6,239
All other	28,219	30,376	30,940	31,361	29,515	30,923
Powder and paste.	12,616	12,629	12,608	11,417	13,691	10,811
Atomized.	7,567	8,227	8,036	7,980	8,339	7,700
Other flake, powder						
and paste.	5,049	4,402	4,572	3,437	5,352	3,111
Forgings and impacts. . .	15,603	17,747	18,332	19,944	15,824	20,112
Forgings.	11,738	14,151	14,191	15,461	12,617	16,017
Impacts.	3,865	3,596	4,141	4,483	3,207	4,095
Scrap receipts 1/.	495,541	475,229	412,701	459,137	395,183	402,079

D Withheld to avoid disclosing data for individual companies.

1/Data not included in net shipments information.

Table 5b. Net Shipments of Aluminum Mill Products: 1997

[Thousands of Pounds]

Product description	Total	Jan.	Feb.	Mar.	Apr.	May	June
Aluminum mill products.	14,990,287	1,185,199	1,164,992	1,281,617	1,307,369	1,312,936	1,303,147
Total receipts.	1,321,202	94,422	104,798	114,993	121,486	119,564	110,911
Sheet, plate, and foil.	10,390,831	836,543	816,877	885,959	918,354	922,926	892,779
Sheet, plate, and foil total receipts.	775,043	51,092	60,248	68,242	69,258	76,530	65,443
Sheet.	8,849,258	712,944	693,605	758,041	780,053	786,613	759,607
Nonheat-treatable.	8,569,026	689,550	670,258	735,443	755,014	761,416	736,306
Heat-treatable.	280,232	23,394	23,347	22,598	25,039	25,197	23,301
Plate.	402,487	31,914	31,621	31,096	31,607	33,624	34,786
Nonheat-treatable.	112,867	9,462	9,994	9,634	10,497	9,829	10,671
Heat-treatable.	289,620	22,452	21,627	21,462	21,110	23,795	24,115
Foil.	1,139,086	91,685	91,651	96,822	106,694	102,689	98,386
Rod, wire, and cable.	694,514	57,576	52,851	59,780	61,495	62,325	64,554
Rod and bare wire.	58,083	7,260	7,363	6,306	1,977	9,413	8,907
Drawing stock (redraw rod), total receipts.	446,287	33,159	34,476	37,241	42,944	35,854	35,968
Drawing stock (redraw rod)	(73,096)	(4,483)	(3,328)	(4,527)	(8,680)	(762)	(2,558)
Bare wire.	131,179	11,743	10,691	10,833	10,657	10,175	11,465
Cable and insulated wire	636,431	50,316	45,488	53,474	59,518	52,912	55,647
ACSR and aluminum cable, bare.	203,807	15,740	14,498	18,447	19,200	18,577	19,676
Wire and cable, insulated or covered.	432,624	34,576	30,990	35,027	40,318	34,335	35,971
Rod, bar, pipe, tube and shapes.	3,547,014	262,510	266,351	306,107	295,593	297,913	317,104
Rod, bar, pipe, tube and shapes, total receipts. . . .	99,872	10,171	10,074	9,510	9,284	7,180	9,500
Rod and bar (rolled and extruded).	371,693	27,775	29,437	33,563	30,665	31,718	33,453
Pipe and tube (extruded and drawn).	341,442	27,381	27,033	28,298	31,528	27,448	29,852
Extruded shapes.	2,833,879	207,354	209,881	244,246	233,400	238,747	253,799
Alloys other than 2,000 and 7,000 series.	2,723,980	199,192	201,296	235,022	224,261	229,249	244,049
Alloys in 2,000 and 7,000 series.	109,899	8,162	8,585	9,224	9,139	9,498	9,750
All other	357,928	28,570	28,913	29,771	31,927	29,772	28,710
Powder and paste.	143,772	10,095	10,720	11,362	11,553	12,372	11,280
Atomized.	90,127	6,850	7,006	7,283	7,253	8,426	7,715
Other flake, powder and paste.	53,645	3,245	3,714	4,079	4,300	3,946	3,565
Forgings and impacts.	214,156	18,475	18,193	18,409	20,374	17,400	17,430
Forgings.	157,325	13,878	13,710	13,719	15,266	12,624	11,350
Impacts.	56,831	4,597	4,483	4,690	5,108	4,776	6,080
Scrap receipts 1/.	7,025,589	586,470	589,250	649,000	647,980	654,847	556,280

Table 5b. Net Shipments of Aluminum Mill Products: 1997
[Thousands of Pounds]

Product description	July	Aug.	Sept.	Oct.	Nov.	Dec.
Aluminum mill products.	1,253,673	1,288,120	1,306,484	1,285,469	1,147,209	1,154,072
Total receipts.	118,760	112,351	112,722	116,715	100,907	93,573
Sheet, plate, and foil.	867,910	884,618	896,739	876,886	788,368	802,872
Sheet, plate, and foil total receipts.	75,080	69,798	63,443	64,554	56,061	55,294
Sheet.	720,785	760,238	769,635	746,176	671,343	690,218
Nonheat-treatable.	697,759	736,643	744,985	721,516	651,801	668,335
Heat-treatable.	23,026	23,595	24,650	24,660	19,542	21,883
Plate.	33,607	34,470	35,719	37,180	31,565	35,298
Nonheat-treatable.	10,662	8,987	8,838	8,397	6,900	8,996
Heat-treatable.	22,945	25,483	26,881	28,783	24,665	26,302
Foil.	113,518	89,910	91,385	93,530	85,460	77,356
Rod, wire, and cable.	58,753	62,731	56,828	55,854	46,823	54,944
Rod and bare wire.	4,110	6,198	2,116	(5,553)	886	9,100
Drawing stock (redraw rod), total receipts.	36,230	36,237	40,470	44,611	37,938	31,159
Drawing stock (redraw rod).	(6,671)	(4,624)	(8,965)	(16,862)	(8,918)	(2,718)
Bare wire.	10,781	10,822	11,081	11,309	9,804	11,818
Cable and insulated wire	54,643	56,533	54,712	61,407	45,937	45,844
ACSR and aluminum cable, bare.	19,176	17,769	15,906	18,128	13,134	13,556
Wire and cable, insulated or covered.	35,467	38,764	38,806	43,279	32,803	32,288
Rod, bar, pipe, tube and shapes.	296,864	309,601	322,171	319,525	286,183	267,092
Rod, bar, pipe, tube and shapes, total receipts.	7,450	6,316	8,809	7,550	6,908	7,120
Rod and bar (rolled and extruded).	27,355	28,630	31,771	31,459	31,973	33,894
Pipe and tube (extruded and drawn)	26,738	29,246	29,727	31,740	26,221	26,230
Extruded shapes.	242,771	251,725	260,673	256,326	227,989	206,968
Alloys other than 2,000 and 7,000 series.	233,876	242,542	250,891	246,300	219,091	198,211
Alloys in 2,000 and 7,000 series.	8,895	9,183	9,782	10,026	8,898	8,757
All other	30,146	31,170	30,746	33,204	25,835	29,164
Powder and paste.	12,096	12,391	13,430	13,396	10,942	14,135
Atomized.	7,370	7,653	8,162	7,439	6,590	8,380
Other flake, powder and paste.	4,726	4,738	5,268	5,957	4,352	5,755
Forgings and impacts.	18,050	18,779	17,316	19,808	14,893	15,029
Forgings.	13,730	13,638	12,457	15,056	11,058	10,839
Impacts.	4,320	5,141	4,859	4,752	3,835	4,190
Scrap receipts 1/.	570,760	558,437	580,716	579,756	534,535	517,558

1/Data not included in Net shipments information.