# Mineral Industry Surveys 

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## ALUMINUM IN APRIL 2023

Domestic primary aluminum production in April 2023 was 63,000 metric tons (t). The average daily production in April 2023 was 2,100 t, unchanged from that in March 2023, 23\% less than that in April 2022, and 13\% less than that in April 2021 (fig. 1, table 1).

Total aluminum recovered from scrap in April 2023 was 270,000 t, slightly less than that in March 2023, 4\% less than that in April 2022, and slightly less than that in April 2021. Of this, $148,000 \mathrm{t}$ of aluminum was recovered from new scrap, and $123,000 \mathrm{t}$ was recovered from old scrap (fig. 1, table 1).


Figure 1. Monthly domestic primary and secondary aluminum production from April 2021 through April 2023.

## Prices and Stocks

The April 2023 average U.S. spot market price of primary aluminum ingot was $\$ 1.32$ per pound, unchanged from that in March 2023, 30\% less than that in April 2022, and slightly less than that in April 2021. The average cash price in March 2023 of primary aluminum ingot on the London Metal Exchange (LME) was $\$ 1.06$ per pound, slightly more than that in March 2023, 28\% less than that in April 2022, and essentially unchanged from that in April 2021 (fig. 2, table 6).


Figure 2. Average monthly prices for primary aluminum from April 2021 through April 2023. Source: S\&P Global Platts Metals Week.

Inventories of primary aluminum in LME-approved warehouses, including off-warrant inventories, in the United States were 3,349 t at the end of April 2023, 3\% less than that at the end of March 2023. Inventories of secondary aluminum (North American Secondary Aluminum Alloy Contract) in LME-approved warehouses, including off-warrant inventories, in the United States were 1,072 t at the end of April 2023, 21\% less than that at the end of March 2023 (London Metal Exchange Ltd., 2023a-d).

## Updates

In May, Uniprom Pekara d.o.o. ceased production of primary aluminum at its Kombinat Aluminijuma Podgorica (KAP) smelter located in Podgorica, Montenegro. All but 12 of the facility's electrolytic cells were previously shutdown in December 2021. Production of aluminum alloys and billets will continue at the site (Aluminum Insider, 2023; Jajcanin, 2023).

In May, employees represented by the United Steelworkers union (USW) ratified agreements with two domestic aluminum corporations. On May 17, Kaiser Aluminum Corp. announced the ratification of a four-year agreement with USW represented employees at its Warrick rolling mill in Evansville, IN. On May 18, Alcoa Corp. announced that a new three-year collective
bargaining agreement had been ratified with USW represented employees at its primary aluminum smelters in Warrick, IN and Massena, NY. Employees of Alcoa’s calcining facility in Lake Charles, LA, were included in the agreement regarding wages and benefits, with remaining terms to be negotiated in July (Alcoa Corp., 2023; Kaiser Aluminum Corp., 2023).

On June 1, Novelis Inc., a subsidiary of Hindalco Industries Ltd. (India), announced an agreement with Coca-Cola Bottlers' Sales \& Services Company LLC to supply authorized North American bottlers with aluminum can sheet. Novelis is constructing a new aluminum manufacturing and recycling facility in Minette, AL, which it expects to commission in 2025. The facility has a planned initial capacity of 600,000 t of finished goods, which will provide part of the can sheet included in the Coca-Cola agreement. The company did not specify the volume of the multi-year agreement (Novelis Inc., 2023).

On June 15, Norsk Hydro ASA (Norway) announced that it had successfully produced a batch of recycled aluminum using carbon-free hydrogen at its extrusion plant in Navarra, Spain. Natural gas was replaced as an energy source to demonstrate the emissions abatement potential of carbon-free hydrogen. The recycled aluminum will be analyzed for quality and used to produce extruded profiles at the Navarra plant (Norsk Hydro ASA, 2023).

On June 16, the U.S. Department of Defense announced a $\$ 45.5$ million agreement with Arconic Corp. to increase production capacity of high purity alumina (HPA) at Arconic's facility in Davenport, IA. Arconic will install a new furnace and implement new control and automation systems. The agreement is authorized by Title III of the Defense Production Act with funds appropriated by the Additional Ukraine Supplemental Appropriations Act (U.S. Department of Defense, 2023).

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TABLE 1

## COMPONENTS OF ALUMINUM SUPPLY ${ }^{1}$

(Thousand metric tons)

| Period | Primary production |  |  |  | Imports for consumption |  |  | $\begin{gathered} \text { Total } \\ \text { new } \\ \text { supply }^{2} \\ \hline \end{gathered}$ | Stocks, end of period ${ }^{3}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Secondary recovery ${ }^{4}$ |  |  | Metals <br> and alloys, crude | Plates, sheets, bars, etc. | Total |  |  |
|  |  | New | Old | Total |  |  |  |  |  |
| $2022^{\text {p }}$ | 861 | 1,890 | 1,450 | 3,330 | 4,150 | 1,460 | 5,610 | 9,810 | 2,050 |
| 2022: |  |  |  |  |  |  |  |  |  |
| April | 82 | 158 | 125 | 283 | 331 | 125 | 456 | 821 | 1,910 |
| May | 84 | 165 | 123 | 287 | 404 | 144 | 548 | 919 | 1,880 |
| June | 78 | 157 | 125 | 282 | 460 | 124 | 583 | 943 | 1,910 |
| July | 64 | 153 | 126 | 280 | 345 | 129 | 474 | 818 | 1,940 |
| August | 61 | 165 | 125 | 290 | 360 | 130 | 490 | 841 | 1,980 |
| September | 61 | 155 | 120 | 276 | 317 | 128 | 445 | $781{ }^{\text {r }}$ | 2,000 |
| October | 64 | 156 | 122 | 278 | 322 | 125 | 447 | 789 | 2,060 |
| November | 62 | 154 | 119 | 273 | 279 | 115 | 394 | 729 | 2,050 |
| December | 64 | 143 | 113 | 256 | 388 | 96 | 484 | 804 | 2,050 |
| January-April | 323 | $636{ }^{\text {r }}$ | $475{ }^{\text {r }}$ | 1,110 ${ }^{\text {r }}$ | 1,280 | 473 | 1,750 | $3,180{ }^{\text {r }}$ | 1,910 ${ }^{\text {r }}$ |
| 2023: |  |  |  |  |  |  |  |  |  |
| January | 64 | 160 | 115 | 275 | 307 | 99 | 406 | 745 | 1,950 |
| February | 59 | 148 | 126 | 274 | 238 | 73 | 311 | 644 | 2,000 |
| March | 65 | 150 | 125 | 275 | 316 | 89 | 405 | 745 | 1,960 |
| April | 63 | 148 | 123 | 270 | 375 | 90 | 465 | 798 | NA |
| January-April | 251 | 606 | 489 | 1,090 | 1,240 | 352 | 1,590 | 2,930 | NA |

${ }^{\mathrm{p}}$ Preliminary. ${ }^{\mathrm{r}}$ Revised. NA Not Available.
${ }^{1}$ Data are rounded to no more than three significant digits, except "Primary production"; may not add to totals shown.
${ }^{2}$ Primary production, secondary recovery, and imports for consumption.
${ }^{3}$ Inventory levels reflect total for U.S. and Canadian producers; data from the Aluminum Association Inc.
${ }^{4}$ Metallic recovery from purchased, tolled, or imported scrap, expanded for full coverage of industry.

TABLE 2
ESTIMATED FULL COVERAGE CONSUMPTION OF AND METALLIC RECOVERY FROM PURCHASED NEW AND OLD ALUMINUM SCRAP ${ }^{1}$
(Thousand metric tons)

| Period |  Independent <br> Secondary mill <br> smelters fabricators |  |  |  | Foundries |  | Other consumers |  | Total |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Con- <br> sump- <br> tion | Metal recovery | Con- <br> sump- <br> tion | Metal recovery | Con- <br> sump- <br> tion | Metal recovery | Con- <br> sump- <br> tion | Metal recovery | Con- <br> sump- <br> tion | Metal recovery |
| $2022^{\text {P }}$ | 2,330 | 1,730 | 1,650 | 1,500 | 101 | 93 | 4 | 4 | 4,080 ${ }^{\text {r }}$ | 3,330 ${ }^{\text {r }}$ |
| 2022: |  |  |  |  |  |  |  |  |  |  |
| April | 194 | 145 | 143 | 130 | 8 | 8 | (2) | (2) | 345 | 283 |
| May | 195 | 145 | 146 | 134 | 8 | 8 | (2) | (2) | 350 | 287 |
| June | 197 | 147 | 140 | 127 | 8 | 8 | (2) | (2) | 345 | 282 |
| July | 193 | 144 | 141 | 128 | 8 | 8 | (2) | (2) | 342 | 280 |
| August | 197 | 147 | 148 | 135 | 8 | 8 | (2) | (2) | 353 | 290 |
| September | 196 | 144 | 137 | 125 | 8 | 8 | (2) | (2) | 341 | 277 |
| October | 199 | 147 | 136 | 124 | 8 | 8 | (2) | (2) | 344 | 279 |
| November | 197 | 147 | 130 | 118 | 8 | 8 | (2) | (2) | 336 | 273 |
| December | 192 | 141 | 118 | 107 | 8 | 8 | (2) | (2) | 318 | 256 |
| January-April | $766{ }^{\text {r }}$ | $571{ }^{\text {r }}$ | $554{ }^{\text {r }}$ | 508 | 34 | 31 | 1 | 1 | 1,360 ${ }^{\text {r }}$ | 1,110 ${ }^{\text {r }}$ |
| 2023: |  |  |  |  |  |  |  |  |  |  |
| January | 197 | 147 | 131 | 119 | 8 | 8 | (2) | (2) | 336 | 275 |
| February | 191 | 143 | 136 | 124 | 8 | 8 | (2) | (2) | 336 | 274 |
| March | 195 | 144 | 135 | 123 | 8 | 8 | (2) | (2) | 339 | 275 |
| April | 190 | 140 | 134 | 122 | 8 | 8 | (2) | (2) | 332 | 270 |
| January-April | 773 | 574 | 536 | 488 | 34 | 31 | 1 | 1 | 1,340 | 1,090 |

${ }^{\mathrm{p}}$ Preliminary. ${ }^{\mathrm{r}}$ Revised.
${ }^{1}$ Data are rounded to no more than three significant digits; may not add to totals shown.
${ }^{2}$ Less than $1 / 2$ unit.

TABLE 3
CONSUMPTION OF AND RECOVERY FROM PURCHASED
NEW AND OLD ALUMINUM SCRAP IN APRIL $2023{ }^{1}$
(Metric tons)

|  | Consumption |  | Calculated metallic recovery |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Tabulated reports | Estimated full coverage | Tabulated reports | Estimated full coverage |
| Secondary smelters | 158,000 | 190,000 | 117,000 | 140,000 |
| Independent mill fabricators | 121,000 | 134,000 | 110,000 | 122,000 |
| Foundries | 7,040 | 8,450 | 6,440 | 7,730 |
| Other consumers | 273 | 328 | 273 | 328 |
| Total | 286,000 | 332,000 | 234,000 | 270,000 |

${ }^{1}$ 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 IN APRIL $2023{ }^{1}$
(Metric tons)

|  | April |  |  |  | January-April |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Stocks, opening $^{2}$ | $\begin{gathered} \text { Net } \\ \text { receipts }{ }^{3} \end{gathered}$ | Melted or consumed | Stocks, closing | $\begin{gathered} \text { Net } \\ \text { receipts }{ }^{3} \end{gathered}$ | Melted or consumed |
| New scrap: |  |  |  |  |  |  |
| Extrusion | 61,800 | 41,700 | 41,700 | 61,900 | 164,000 | 164,000 |
| Can stock clippings | 10,600 | 29,400 | 29,400 | 10,600 | 121,000 | 121,000 |
| Other wrought sheet/clippings | 10,800 | 32,800 | 32,300 | 11,400 | 139,000 | 136,000 |
| Casting | 3,980 | 5,080 | 5,080 | 3,980 | 21,100 | 21,100 |
| Borings and turnings | 5,620 | 12,200 | 12,200 | 5,620 | 51,900 | 51,900 |
| Dross and skimmings ${ }^{4}$ | 18,500 | 45,000 | 45,000 | 18,500 | 181,000 | 181,000 |
| Total new scrap | 111,000 | 166,000 | 166,000 | 112,000 | 678,000 | 675,000 |
| Old scrap: |  |  |  |  |  |  |
| Used castings | 9,070 | 26,100 | 26,100 | 9,070 | 105,000 | 105,000 |
| Used extrusion | 8,210 | 11,300 | 11,300 | 8,210 | 45,200 | 45,200 |
| Used cans (shredded, loose, baled) | 9,520 | 46,000 | 46,000 | 9,520 | 189,000 | 189,000 |
| Other wrought products | 20,100 | 27,800 | 27,800 | 20,100 | 102,000 | 102,000 |
| Fragmentized shredder (auto shredder) | 5,150 | 9,200 | 9,200 | 5,150 | 39,400 | 39,400 |
| Total old scrap | 52,000 | 120,000 | 120,000 | 52,000 | 481,000 | 481,000 |
| Total all classes | 163,000 | 287,000 | 286,000 | 164,000 | 1,160,000 | 1,160,000 |

${ }^{1}$ Data are rounded to no more than three significant digits; may not add to totals shown.
${ }^{2}$ May include revisions to previously published data.
${ }^{3}$ Includes data on imported aluminum-base scrap.
${ }^{4}$ Gross volume of dross and skimmings. Recoverable aluminum content ranges from $15 \%$ to $50 \%$ of gross weight.

TABLE 5

## ESTIMATED ALUMINUM ALLOYS PRODUCED AT SECONDARY SMELTERS IN THE UNITED STATES IN APRIL 2023 ${ }^{1,2}$

(Metric tons)

|  | April |  |  |  | January-April |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Stocks, opening $^{3}$ | Production | Net <br> shipments | Stocks, closing | Production | Net shipments |
| Die-cast alloys: |  |  |  |  |  |  |
| 13\% Si, 360, etc. (0.6\% Cu, max.) | 2,830 | 2,740 | 2,740 | 2,830 | 11,000 | 11,000 |
| 380 and variations | 7,310 | 18,700 | 18,700 | 7,310 | 68,500 | 65,600 |
| Sand and permanent mold: |  |  |  |  |  |  |
| 95/5 Al-Si, 356, etc. (0.6\% Cu, max.) | 1,940 | 2,800 | 2,800 | 1,940 | 11,200 | 11,200 |
| No. 319 and variations | 1,420 | 1,270 | 1,270 | 1,420 | 5,080 | 5,080 |
| F-132 alloy and variations | 89 | 215 | 215 | 89 | 861 | 861 |
| Al-Zn alloys | 339 | 71 | 71 | 339 | 284 | 284 |
| $\mathrm{Al}-\mathrm{Si}$ alloys (0.6\% to $2.0 \% \mathrm{Cu}$ ) | 230 | 178 | 178 | 230 | 714 | 714 |
| Al-Cu alloys (1.5\% Si, max.) | 139 | 724 | 724 | 139 | 2,900 | 2,900 |
| Other ${ }^{4}$ | 3,380 | 4,710 | 4,710 | 3,380 | 25,200 | 28,100 |
| Wrought alloys, extrusion billets | 16,000 | 62,300 | 62,300 | 16,000 | 249,000 | 249,000 |
| Total all alloys | 33,600 | 93,700 | 93,700 | 33,600 | 375,000 | 375,000 |
| Less: |  |  |  |  |  |  |
| Primary aluminum consumed | XX | 17,100 | XX | XX | 68,500 | XX |
| Primary silicon consumed | XX | 1,430 | XX | XX | 5,700 | XX |
| Other alloying ingredients consumed | XX | 838 | XX | XX | 3,350 | XX |
| Net metallic recovery from aluminum scrap consumed in production of secondary aluminum ingot ${ }^{5}$ | XX | 74,300 | XX | XX | 297,000 | XX |

XX Not applicable.
${ }^{1}$ Excludes integrated aluminum companies.
${ }^{2}$ Data are rounded to no more than three significant digits; may not add to totals shown.
${ }^{3}$ May include revisions to previously published data.
${ }^{4}$ Includes alloys No. 12, Al-Mg, Al-Zn, Al-Cu, 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

## AVERAGE PRICE OF ALUMINUM IN THE UNITED STATES

 AND ON THE LONDON METAL EXCHANGE(Cents per pound)

| Period | Midwest U.S. market price | LME <br> cash price Grade A |
| :---: | :---: | :---: |
| 2022: |  |  |
| April | 187.079 | 147.693 |
| May | 165.795 | 128.182 |
| June | 149.085 | 116.235 |
| July | 137.994 | 108.911 |
| August | 136.691 | 110.264 |
| September | 125.275 | 101.129 |
| October | 122.548 | 101.737 |
| November | 126.830 | 105.909 |
| December | 129.488 | 108.612 |
| January-December | 152.572 | 122.767 |
| 2023: |  |  |
| January | 141.000 | 112.881 |
| February | 139.175 | 109.624 |
| March | 131.935 | 103.858 |
| April | 131.764 | 106.168 |
| January-April | 135.969 | 108.133 |

Source: S\&P Global Platts Metals Week.

TABLE 7
AVERAGE BUYING PRICES FOR ALUMINUM SCRAP
(Cents per pound)

| Month | Used beverage cans | Mixed low copper clips | Old sheet | Old cast | Turnings (clean and dry) |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 2022: |  |  |  |  |  |
| April | 122.38 | 87.50 | 89.50 | 85.50 | 80.75 |
| May | 106.25 | 81.00 | 76.75 | 77.63 | 73.13 |
| June | 93.70 | 74.70 | 69.60 | 70.60 | 66.60 |
| July | 76.88 | 68.50 | 63.75 | 65.25 | 59.38 |
| August | 77.50 | 67.13 | 61.88 | 62.63 | 56.88 |
| September | 72.80 | 65.60 | 63.30 | 63.20 | 52.40 |
| October | 73.00 | 65.75 | 61.25 | 61.00 | 48.50 |
| November | 72.38 | 66.00 | 62.00 | 61.75 | 48.00 |
| December | 79.30 | 66.80 | 64.50 | 64.40 | 48.80 |
| January-December | 92.88 | 74.05 | 70.83 | 70.33 | 63.28 |
| 2023: |  |  |  |  |  |
| January | 83.25 | 68.75 | 68.25 | 67.63 | 51.88 |
| February | 88.50 | 69.38 | 70.00 | 70.25 | 57.38 |
| March | 83.30 | 69.50 | 70.90 | 72.30 | 59.40 |
| April | 77.25 | 70.75 | 70.75 | 74.25 | 62.25 |
| January-April | 83.08 | 69.60 | 69.98 | 71.11 | 57.73 |

Source: Fastmarkets-AMM.

TABLE 8
U.S. IMPORTS FOR CONSUMPTION OF ALUMINUM IN APRIL $2023{ }^{1}$
(Metric tons)

| Country or locality | Metals and alloys, crude |  | Plates, sheets, bars, etc. |  | Scrap |  | Total |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | January- |  | January- |  | January- |  | January- |
|  | April | April | April | April | April | April | April | April |
| Argentina | 3,560 | 45,900 | -- | 17 | -- | -- | 3,560 | 45,900 |
| Australia | 32,300 | 65,600 | 35 | 47 | -- | -- | 32,400 | 65,700 |
| Austria | (2) | (2) | 2,860 | 10,400 | 12 | 47 | 2,880 | 10,400 |
| Bahrain | 5,720 | 21,100 | 1,690 | 3,510 | -- | -- | 7,400 | 24,600 |
| Belgium | 60 | 468 | 1,660 | 5,400 | -- | -- | 1,720 | 5,870 |
| Brazil | -- | -- | 431 | 492 | 993 | 1,660 | 1,420 | 2,150 |
| Canada | 237,000 | 844,000 | 15,800 | 69,500 | 32,900 | 131,000 | 286,000 | 1,040,000 |
| Chile | -- | -- | -- | -- | 165 | 808 | 165 | 808 |
| China ${ }^{3}$ | 69 | 252 | 14,700 | 59,500 | 13 | 60 | 14,800 | 59,800 |
| Colombia | -- | -- | 285 | 844 | 1,600 | 3,260 | 1,890 | 4,100 |
| Costa Rica | -- | -- | 29 | 87 | 128 | 813 | 157 | 900 |
| France | 312 | 1,340 | 942 | 2,570 | 16 | 46 | 1,270 | 3,950 |
| Germany | 133 | 595 | 1,420 | 7,560 | 548 | 1,930 | 2,100 | 10,100 |
| Greece | -- | -- | 1,140 | 8,760 | 15 | 54 | 1,150 | 8,810 |
| Guatemala | -- | -- | -- | -- | 1,710 | 3,540 | 1,710 | 3,540 |
| Honduras | -- | -- | 55 | 496 | 334 | 969 | 390 | 1,460 |
| India | 7,510 | 18,900 | 1,230 | 5,410 | -- | -- | 8,730 | 24,300 |
| Indonesia | -- | -- | 973 | 3,480 | -- | -- | 973 | 3,480 |
| Italy | 401 | 1,050 | 1,110 | 4,020 | (2) | (2) | 1,510 | 5,070 |
| Japan | -- | (2) | 4,330 | 13,700 | -- | 28 | 4,330 | 13,700 |
| Korea, Republic of | 4,100 | 6,360 | 10,800 | 23,600 | 432 | 432 | 15,400 | 30,400 |
| Malaysia | -- | 1,070 | 351 | 1,620 | -- | -- | 351 | 2,690 |
| Mexico | 1,650 | 4,790 | 5,400 | 20,000 | 15,900 | 67,100 | 23,000 | 91,900 |
| Netherlands | 112 | 385 | 151 | 582 | 23 | 433 | 286 | 1,400 |
| New Zealand | 1,600 | 5,480 | (2) | 1 | -- | -- | 1,600 | 5,480 |
| Norway | 512 | 1,980 | 294 | 1,170 | -- | -- | 806 | 3,160 |
| Oman | -- | -- | 6,560 | 26,900 | -- | -- | 6,560 | 26,900 |
| Qatar | 9,280 | 37,400 | -- | (2) | -- | -- | 9,280 | 37,400 |
| Romania | -- | -- | 3 | 13 | -- | 111 | 3 | 123 |
| Russia | -- | 7,960 | 6 | 25 | -- | -- | 6 | 7,980 |
| Saudi Arabia | -- | 2,090 | 1,220 | 2,980 | -- | -- | 1,220 | 5,070 |
| South Africa | 30 | 826 | 1,940 | 17,400 | 258 | 258 | 2,230 | 18,500 |
| Spain | 102 | 2,130 | 697 | 2,840 | 144 | 144 | 943 | 5,120 |
| Sweden | -- | 2,500 | 776 | 3,790 | -- | -- | 776 | 6,290 |
| Switzerland | -- | -- | 1,080 | 3,400 | -- | -- | 1,080 | 3,400 |
| Taiwan | 175 | 526 | 327 | 1,580 | -- | (2) | 503 | 2,110 |
| Thailand | 156 | 226 | 1,950 | 14,000 | 19 | 128 | 2,130 | 14,400 |
| Turkey | 96 | 868 | 4,770 | 15,900 | 41 | 831 | 4,910 | 17,600 |
| United Arab Emirates | 69,800 | 162,000 | 103 | 574 | -- | -- | 69,900 | 163,000 |
| United Kingdom | 20 | 94 | 524 | 1,500 | 236 | 280 | 780 | 1,870 |
| Vietnam | -- | -- | 1,560 | 6,400 | -- | -- | 1,560 | 6,400 |
| Other | -- | 189 | 3,150 | 11,900 | 1,600 | 5,140 | 4,750 | 17,200 |
| Total | 375,000 | 1,240,000 | 90,400 | 352,000 | 57,100 | 219,000 | 522,000 | 1,810,000 |

${ }^{1}$ Data are rounded to no more than three significant digits; may not add to totals shown.
${ }^{2}$ Less than $1 / 2$ unit.
${ }^{3}$ Includes Hong Kong.
Source: U.S. Census Bureau.

TABLE 9
U.S. EXPORTS OF ALUMINUM IN APRIL $2023{ }^{1}$
(Metric tons)

| Country or locality | Metals and alloys, crude |  | Plates, sheets, bars, etc. |  | Scrap |  | Total |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | April | JanuaryApril | April | JanuaryApril | April | JanuaryApril | April | JanuaryApril |
| Australia | 3 | 9 | 217 | 596 | -- | -- | 220 | 604 |
| Belgium | -- | -- | 178 | 1,110 | 743 | 2,400 | 922 | 3,500 |
| Brazil | 43 | 45 | 390 | 1,880 | 248 | 2,430 | 681 | 4,350 |
| Canada | 4,990 | 22,600 | 32,300 | 113,000 | 9,670 | 41,000 | 47,000 | 177,000 |
| China ${ }^{2}$ | 140 | 278 | 1,150 | 4,320 | 16,200 | 62,400 | 17,500 | 67,000 |
| Colombia | 3 | 3 | 58 | 118 | 118 | 247 | 178 | 367 |
| Dominican Republic | -- | 7 | 90 | 158 | 115 | 339 | 205 | 505 |
| France | 256 | 1,290 | 778 | 3,200 | 48 | 295 | 1,080 | 4,780 |
| Germany | 518 | 986 | 478 | 2,290 | 140 | 1,490 | 1,140 | 4,770 |
| Guatemala | -- | -- | 6 | 31 | -- | -- | 6 | 31 |
| India | 71 | 361 | 337 | 1,570 | 39,800 | 136,000 | 40,200 | 138,000 |
| Indonesia | -- | -- | 1 | 118 | 2,790 | 8,610 | 2,790 | 8,730 |
| Ireland | 1 | 7 | 17 | 320 | (3) | 69 | 18 | 396 |
| Israel | 9 | 9 | 643 | 2,060 | -- | -- | 651 | 2,070 |
| Italy | (3) | 44 | 201 | 715 | 892 | 3,700 | 1,090 | 4,460 |
| Jamaica | 3 | 8 | -- | 15 | -- | -- | 3 | 22 |
| Japan | 41 | 281 | 880 | 3,410 | 2,960 | 12,600 | 3,880 | 16,300 |
| Korea, Republic of | 15 | 159 | 2,120 | 8,430 | 19,200 | 93,100 | 21,400 | 102,000 |
| Malaysia | 14,400 | 45,400 | 276 | 1,740 | 34,100 | 134,000 | 48,700 | 182,000 |
| Mexico | 12,100 | 53,500 | 22,700 | 95,100 | 14,000 | 56,200 | 48,900 | 205,000 |
| Netherlands | (3) | 511 | 50 | 183 | 438 | 3,460 | 488 | 4,160 |
| New Zealand | -- | 19 | 97 | 348 | -- | -- | 97 | 366 |
| Norway | -- | (3) | 1 | 5 | 176 | 731 | 177 | 736 |
| Pakistan | 20 | 120 | 93 | 218 | 1,340 | 4,520 | 1,450 | 4,860 |
| Panama | -- | 5 | 1 | 30 | -- | (3) | 1 | 35 |
| Philippines | -- | 5 | 46 | 128 | 182 | 1,150 | 228 | 1,280 |
| Poland | (3) | 6 | 116 | 460 | -- | 21 | 116 | 488 |
| Romania | (3) | (3) | 84 | 446 | -- | -- | 84 | 446 |
| Saudi Arabia | -- | -- | 13 | 69 | 62 | 62 | 75 | 131 |
| Singapore | 10 | 30 | 147 | 921 | 38 | 817 | 195 | 1,770 |
| Spain | -- | (3) | 117 | 617 | 336 | 1,650 | 453 | 2,260 |
| Taiwan | 19 | 273 | 460 | 1,700 | 3,720 | 16,000 | 4,200 | 17,900 |
| Thailand | 52 | 117 | 542 | 1,570 | 16,100 | 65,500 | 16,700 | 67,200 |
| Turkey | -- | 1 | 636 | 2,030 | 135 | 590 | 771 | 2,620 |
| United Arab Emirates | -- | 36 | 32 | 356 | 415 | 1,780 | 447 | 2,170 |
| United Kingdom | 1 | 29 | 753 | 3,460 | 178 | 441 | 932 | 3,930 |
| Vietnam | -- | -- | 41 | 205 | 1,900 | 7,100 | 1,940 | 7,300 |
| Other | 15 | 137 | 409 | 1,840 | 655 | 2,790 | 1,080 | 4,760 |
| Total | 32,700 | 126,000 | 66,500 | 255,000 | 167,000 | 662,000 | 266,000 | 1,040,000 |

-- Zero.
${ }^{1}$ Data are rounded to no more than three significant digits; may not add to totals shown.
${ }^{2}$ Includes Hong Kong.
${ }^{3}$ Less than $1 / 2$ unit.

Source: U.S. Census Bureau.

