ZINC IN JUNE 2023

Domestic mine production (recoverable) of zinc in June 2023 was 69,000 metric tons (t) (tables 1, 2). Mine production (recoverable) for the year through June was 366,000 t, slightly less than that in the same period in 2022. Average daily (recoverable) mine production in June was 2,300 t, 11% more than that in the previous month and 7% more compared with that in June 2022 (fig. 1, table 2).

The North American premium to the LME cash price in June 2023 averaged 32 cents per pound, 4% less than that in the previous month but unchanged compared with that in June 2022 (fig. 3, table 8).

Government and Legislative Programs

On June 3, the Fiscal Responsibility Act of 2023 (FRA) was signed into law, which included several modifications to the National Environmental Policy Act of 1969 (NEPA). NEPA requires Federal agencies to assess the environmental effects of proposed major Federal actions before issuing permits or funding, and the FRA modifications limited the scope of the Federal administrative review under NEPA. Among the new amendments, the FRA established deadlines and page limits for environmental assessments and environmental impact statements. In addition to the NEPA reforms, the FRA also designated energy storage projects as potentially eligible for expedited environmental review under the Fixing America’s Surface Transportation Act (U.S. Congress, 2023). Zinc is intensively used in infrastructure (galvanized steel) and is increasingly used in energy storage (zinc batteries).
World News

Boliden AB (Sweden) announced that it was placing the Tara zinc mine in Ireland on care-and-maintenance status until further notice due to a combination of factors, including decreasing zinc prices, inflation, high energy prices and zinc smelter treatment charges, and operational challenges. The Tara Mine was Europe’s largest zinc mine, producing 103,000 t of zinc in concentrate in 2022 (Boliden AB, 2023a, p. 20, 127; 2023b, p. 7).

Construction activity at Adriatic Metals plc’s (United Kingdom) Vares zinc-lead-silver mine in Bosnia and Herzegovina was projected to be complete in October with concentrate production beginning in November. At full production, the mine would produce about 90,000 metric tons per year of zinc concentrate initially grading 55–58% zinc. Adriatic Metals held offtake agreements with Boliden and Trafigura Group Pte. Ltd. (Singapore) for the zinc concentrate, which was mostly expected to be processed by smelters in Europe (Adriatic Metals plc, 2023, p. 16; Esmen, 2023).

References Cited


Figure 3. Average monthly North American price and premium for Special High Grade zinc from June 2021 through June 2023. The North American price is based on the London Metal Exchange cash price plus the North American premium. Source: S&P Global Platts Metals Week.

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## TABLE 1
**SALIENT ZINC STATISTICS**

(Metric tons, unless otherwise specified)

<table>
<thead>
<tr>
<th></th>
<th>2022</th>
<th>2023</th>
<th>2023</th>
<th>2023</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>January–</td>
<td>May</td>
<td>June</td>
<td>June¹</td>
</tr>
<tr>
<td></td>
<td>December²</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Production:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mine, zinc content of concentrate³</td>
<td>761,000</td>
<td>65,600</td>
<td>70,500</td>
<td>375,000</td>
</tr>
<tr>
<td>Mine, recoverable zinc³</td>
<td>744,000</td>
<td>64,100</td>
<td>69,000</td>
<td>366,000</td>
</tr>
<tr>
<td>Smelter, refined zinc⁴</td>
<td>220,000</td>
<td>18,000</td>
<td>18,000</td>
<td>108,000</td>
</tr>
<tr>
<td>Consumption of refined zinc, apparent²</td>
<td>974,000</td>
<td>66,700</td>
<td>62,100</td>
<td>505,000</td>
</tr>
<tr>
<td><strong>Imports for consumption:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ore and concentrate (zinc content)</td>
<td>4,870</td>
<td>17</td>
<td>2,010</td>
<td>14,300</td>
</tr>
<tr>
<td>Refined zinc</td>
<td>762,000</td>
<td>49,200</td>
<td>44,100</td>
<td>398,000</td>
</tr>
<tr>
<td><strong>Exports:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ore and concentrate (zinc content)</td>
<td>644,000</td>
<td>8,870</td>
<td>14,300</td>
<td>67,600</td>
</tr>
<tr>
<td>Refined zinc</td>
<td>8,070</td>
<td>564</td>
<td>84</td>
<td>1,570</td>
</tr>
<tr>
<td><strong>Price:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>London Metal Exchange cash, average, dollars per metric ton</td>
<td>3,484.42</td>
<td>2,477.10</td>
<td>2,367.64</td>
<td>2,833.99</td>
</tr>
<tr>
<td>North American, average, cents per pound</td>
<td>190.19</td>
<td>145.49</td>
<td>139.33</td>
<td>163.48</td>
</tr>
</tbody>
</table>

¹Estimated. ²Preliminary.
³Data are rounded to no more than three significant digits, except prices; may not add to totals shown.
⁴May include revisions to previously published data.
⁵Reported zinc content in both zinc and lead concentrates.
⁶Monthly and annual smelter production data are estimated to avoid disclosing company proprietary data and do not reflect actual production reported to the U.S. Geological Survey.
⁷Smelter production plus imports for consumption minus domestic exports. Apparent consumption may not reflect actual consumption owing to significant changes in unreported stocks.
⁸Special High Grade Zinc.
⁹S&P Global Platts Metals Week.
### TABLE 2

**MINE AND SMELTER PRODUCTION OF ZINC IN THE UNITED STATES**

(Metric tons)

<table>
<thead>
<tr>
<th>Period</th>
<th>Mine</th>
<th>Recoverable</th>
<th>Smelter</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Zinc content</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2022:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>June</td>
<td>65,900</td>
<td>64,400</td>
<td>18,000</td>
</tr>
<tr>
<td>July</td>
<td>71,500</td>
<td>69,900</td>
<td>18,000</td>
</tr>
<tr>
<td>August</td>
<td>75,400</td>
<td>73,800</td>
<td>18,000</td>
</tr>
<tr>
<td>September</td>
<td>64,100</td>
<td>62,700</td>
<td>18,000</td>
</tr>
<tr>
<td>October</td>
<td>55,300</td>
<td>54,000</td>
<td>18,000</td>
</tr>
<tr>
<td>November</td>
<td>46,400</td>
<td>45,400</td>
<td>18,000</td>
</tr>
<tr>
<td>December</td>
<td>64,900</td>
<td>63,500</td>
<td>18,000</td>
</tr>
<tr>
<td>January–December</td>
<td>761,000</td>
<td>744,000</td>
<td>220,000</td>
</tr>
<tr>
<td>2023:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>January</td>
<td>68,300</td>
<td>66,800</td>
<td>18,000</td>
</tr>
<tr>
<td>February</td>
<td>55,200</td>
<td>53,900</td>
<td>18,000</td>
</tr>
<tr>
<td>March</td>
<td>59,500</td>
<td>58,100</td>
<td>18,000</td>
</tr>
<tr>
<td>April</td>
<td>55,800</td>
<td>54,500</td>
<td>18,000</td>
</tr>
<tr>
<td>May</td>
<td>65,600</td>
<td>64,100</td>
<td>18,000</td>
</tr>
<tr>
<td>June</td>
<td>70,500</td>
<td>69,000</td>
<td>18,000</td>
</tr>
<tr>
<td>January–June</td>
<td>375,000</td>
<td>366,000</td>
<td>108,000</td>
</tr>
</tbody>
</table>

*Estimated.*

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

2 Includes the zinc content in both lead and zinc concentrates.

3 Monthly and annual smelter production data are estimated to avoid disclosing company proprietary data and do not reflect actual production reported to the U.S. Geological Survey.
<table>
<thead>
<tr>
<th>Period</th>
<th>Quantity (metric tons)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>2022:</strong></td>
<td></td>
</tr>
<tr>
<td>June</td>
<td>1,360,000</td>
</tr>
<tr>
<td>July</td>
<td>1,320,000</td>
</tr>
<tr>
<td>August</td>
<td>1,370,000</td>
</tr>
<tr>
<td>September</td>
<td>1,310,000</td>
</tr>
<tr>
<td>October</td>
<td>1,350,000</td>
</tr>
<tr>
<td>November</td>
<td>1,320,000</td>
</tr>
<tr>
<td>December</td>
<td>1,250,000</td>
</tr>
<tr>
<td>January–June</td>
<td>8,430,000</td>
</tr>
<tr>
<td>January–December</td>
<td>16,300,000</td>
</tr>
<tr>
<td><strong>2023:</strong></td>
<td></td>
</tr>
<tr>
<td>January</td>
<td>1,290,000</td>
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<tr>
<td>February</td>
<td>1,280,000</td>
</tr>
<tr>
<td>March</td>
<td>1,380,000</td>
</tr>
<tr>
<td>April</td>
<td>1,410,000</td>
</tr>
<tr>
<td>May</td>
<td>1,440,000</td>
</tr>
<tr>
<td>June</td>
<td>1,410,000</td>
</tr>
<tr>
<td>January–June</td>
<td>8,190,000</td>
</tr>
</tbody>
</table>

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

Source: American Iron and Steel Institute.
### TABLE 4

**U.S. IMPORTS FOR CONSUMPTION OF ZINC**¹

(Gross weight, unless otherwise specified)

<table>
<thead>
<tr>
<th>Material</th>
<th>2022 Quantity (metric tons)</th>
<th>2022 Value (thousands)</th>
<th>2023 June Quantity (metric tons)</th>
<th>2023 June Value (thousands)</th>
<th>January–June² Quantity (metric tons)</th>
<th>January–June² Value (thousands)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ore and concentrate (zinc content)</td>
<td>4,870</td>
<td>$9,880</td>
<td>2,010</td>
<td>$1,780</td>
<td>14,300</td>
<td>$15,400</td>
</tr>
<tr>
<td>Unwrought:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Refined zinc</td>
<td>762,000</td>
<td>2,710,000</td>
<td>44,100</td>
<td>132,000</td>
<td>398,000</td>
<td>1,350,000</td>
</tr>
<tr>
<td>Zinc alloys</td>
<td>3,770</td>
<td>15,200</td>
<td>160</td>
<td>704</td>
<td>2,440</td>
<td>9,170</td>
</tr>
<tr>
<td>Wrought:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bars, rods, profiles, wire</td>
<td>3,500</td>
<td>16,200</td>
<td>485</td>
<td>1,750</td>
<td>2,070</td>
<td>8,730</td>
</tr>
<tr>
<td>Plates, sheets, strip, foil</td>
<td>1,680</td>
<td>9,840</td>
<td>99</td>
<td>646</td>
<td>716</td>
<td>4,240</td>
</tr>
<tr>
<td>Ash and residues:²</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hard zinc spelter</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>(4)</td>
<td>22</td>
</tr>
<tr>
<td>Zinc dross and skimmings</td>
<td>4,370</td>
<td>8,550</td>
<td>1,030</td>
<td>800</td>
<td>3,180</td>
<td>5,950</td>
</tr>
<tr>
<td>Other (zinc content)</td>
<td>5,610</td>
<td>12,000</td>
<td>40</td>
<td>47</td>
<td>1,540</td>
<td>987</td>
</tr>
<tr>
<td>Other:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Powders, flakes, dust</td>
<td>19,800</td>
<td>92,600</td>
<td>1,140</td>
<td>4,970</td>
<td>8,460</td>
<td>38,700</td>
</tr>
<tr>
<td>Waste and scrap</td>
<td>10,900</td>
<td>23,300</td>
<td>736</td>
<td>1,590</td>
<td>5,210</td>
<td>11,500</td>
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<td>Chemicals:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Lithopone</td>
<td>1,110</td>
<td>4,520</td>
<td>24</td>
<td>188</td>
<td>162</td>
<td>503</td>
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<tr>
<td>Zinc chloride</td>
<td>419</td>
<td>2,830</td>
<td>14</td>
<td>136</td>
<td>334</td>
<td>1,710</td>
</tr>
<tr>
<td>Zinc oxide</td>
<td>104,000</td>
<td>371,000</td>
<td>7,030</td>
<td>23,100</td>
<td>48,800</td>
<td>166,000</td>
</tr>
<tr>
<td>Zinc sulfate</td>
<td>95,200</td>
<td>124,000</td>
<td>2,910</td>
<td>2,780</td>
<td>30,100</td>
<td>29,200</td>
</tr>
<tr>
<td>Zinc sulfide</td>
<td>1,930</td>
<td>9,710</td>
<td>32</td>
<td>450</td>
<td>1,020</td>
<td>5,830</td>
</tr>
</tbody>
</table>

¹Data are rounded to no more than three significant digits.
²May include revisions to previously published data.
³Other than from the manufacture of iron and steel; containing mainly zinc.
⁴Less than ½ unit.

Source: U.S. Census Bureau.
# TABLE 5
U.S. IMPORTS OF ZINC, BY TYPE OF MATERIAL AND COUNTRY OR LOCALITY

(Metric tons, gross weight, unless otherwise specified)

<table>
<thead>
<tr>
<th>Material and country or locality</th>
<th>General imports</th>
<th>Imports for consumption</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2022 June</td>
<td>2023 January–June</td>
</tr>
<tr>
<td>Ore and concentrate (zinc content):</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Canada</td>
<td>1,610</td>
<td></td>
</tr>
<tr>
<td>China</td>
<td>358</td>
<td></td>
</tr>
<tr>
<td>Korea, Republic of</td>
<td>1,570</td>
<td></td>
</tr>
<tr>
<td>Peru</td>
<td>2,670</td>
<td></td>
</tr>
<tr>
<td>Turkey</td>
<td>--</td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td>232</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>4,870</td>
<td>2,010</td>
</tr>
<tr>
<td>Refined zinc:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Australia</td>
<td>69,000</td>
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</tr>
<tr>
<td>Belgium</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Brazil</td>
<td>--</td>
<td>2,000</td>
</tr>
<tr>
<td>Bulgaria</td>
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<tr>
<td>Canada</td>
<td>378,000</td>
<td>28,100</td>
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<td>China</td>
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</tr>
<tr>
<td>Denmark</td>
<td>(3)</td>
<td>--</td>
</tr>
<tr>
<td>Germany</td>
<td>983</td>
<td>--</td>
</tr>
<tr>
<td>India</td>
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<tr>
<td>Italy</td>
<td>3</td>
<td>--</td>
</tr>
<tr>
<td>Japan</td>
<td>2</td>
<td>--</td>
</tr>
<tr>
<td>Kazakhstan</td>
<td>17,700</td>
<td>--</td>
</tr>
<tr>
<td>Korea, Republic of</td>
<td>88,600</td>
<td>1,150</td>
</tr>
<tr>
<td>Luxembourgh</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Mexico</td>
<td>108,000</td>
<td>8,280</td>
</tr>
<tr>
<td>Netherlands</td>
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<td>--</td>
</tr>
<tr>
<td>Nigeria</td>
<td>320</td>
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<tr>
<td>Peru</td>
<td>52,900</td>
<td>4,570</td>
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<tr>
<td>Poland</td>
<td>241</td>
<td>--</td>
</tr>
<tr>
<td>Singapore</td>
<td>21</td>
<td>--</td>
</tr>
<tr>
<td>Spain</td>
<td>5,500</td>
<td>--</td>
</tr>
<tr>
<td>Taiwan</td>
<td>21</td>
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<td>Thailand</td>
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<tr>
<td>United Kingdom</td>
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<tr>
<td>Total</td>
<td>722,000</td>
<td>44,100</td>
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<tr>
<td>Oxide:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Australia</td>
<td>197</td>
<td>73</td>
</tr>
<tr>
<td>Canada</td>
<td>44,200</td>
<td>2,750</td>
</tr>
<tr>
<td>China</td>
<td>800</td>
<td>--</td>
</tr>
<tr>
<td>Germany</td>
<td>1,870</td>
<td>11</td>
</tr>
<tr>
<td>Greece</td>
<td>375</td>
<td>17</td>
</tr>
<tr>
<td>Japan</td>
<td>1,210</td>
<td>32</td>
</tr>
<tr>
<td>Korea, Republic of</td>
<td>428</td>
<td>31</td>
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<tr>
<td>Mexico</td>
<td>41,300</td>
<td>3,310</td>
</tr>
<tr>
<td>Netherlands</td>
<td>6,900</td>
<td>126</td>
</tr>
<tr>
<td>Peru</td>
<td>5,850</td>
<td>655</td>
</tr>
<tr>
<td>Other</td>
<td>494</td>
<td>34</td>
</tr>
<tr>
<td>Total</td>
<td>104,000</td>
<td>7,030</td>
</tr>
</tbody>
</table>

-- Zero.

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

2May include revisions to previously published data.

3Less than ½ unit.

Source: U.S. Census Bureau.
TABLE 6
U.S. EXPORTS OF ZINC\(^1\)

(Gross weight, unless otherwise specified)

<table>
<thead>
<tr>
<th>Material</th>
<th>2022 Quantity (metric tons)</th>
<th>2022 Value (thousands)</th>
<th>2023 June Quantity (metric tons)</th>
<th>2023 June Value (thousands)</th>
<th>2023 January-June(^2) Quantity (metric tons)</th>
<th>2023 January-June(^2) Value (thousands)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ore and concentrate (zinc content)</td>
<td>644,000</td>
<td>$1,530,000</td>
<td>14,300</td>
<td>$24,400</td>
<td>67,600</td>
<td>$100,000</td>
</tr>
<tr>
<td>Unwrought:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Refined zinc</td>
<td>8,070</td>
<td>28,300</td>
<td>84</td>
<td>299</td>
<td>1,570</td>
<td>5,860</td>
</tr>
<tr>
<td>Zinc alloys</td>
<td>44,300</td>
<td>124,000</td>
<td>2,790</td>
<td>9,230</td>
<td>19,800</td>
<td>60,600</td>
</tr>
<tr>
<td>Wrought:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bars, rods, profiles, wire</td>
<td>3,220</td>
<td>21,200</td>
<td>40</td>
<td>287</td>
<td>1,080</td>
<td>5,170</td>
</tr>
<tr>
<td>Plates, sheets, strip, foil</td>
<td>5,830</td>
<td>24,800</td>
<td>509</td>
<td>2,240</td>
<td>2,190</td>
<td>9,220</td>
</tr>
<tr>
<td>Ash and residues:(^3)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hard zinc spelter</td>
<td>12,300</td>
<td>29,300</td>
<td>1,350</td>
<td>2,760</td>
<td>5,490</td>
<td>11,200</td>
</tr>
<tr>
<td>Other (zinc content)</td>
<td>26,900</td>
<td>52,900</td>
<td>1,960</td>
<td>2,840</td>
<td>10,800</td>
<td>18,900</td>
</tr>
<tr>
<td>Other:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Powders, flakes, dust</td>
<td>10,600</td>
<td>51,700</td>
<td>609</td>
<td>3,240</td>
<td>3,750</td>
<td>19,000</td>
</tr>
<tr>
<td>Waste and scrap</td>
<td>190,000</td>
<td>183,000</td>
<td>3,900</td>
<td>4,250</td>
<td>26,800</td>
<td>31,700</td>
</tr>
<tr>
<td>Chemicals:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lithopone</td>
<td>510</td>
<td>1,900</td>
<td>21</td>
<td>154</td>
<td>226</td>
<td>720</td>
</tr>
<tr>
<td>Zinc chloride</td>
<td>1,250</td>
<td>1,550</td>
<td>90</td>
<td>90</td>
<td>703</td>
<td>1,080</td>
</tr>
<tr>
<td>Zinc oxide</td>
<td>71,400</td>
<td>137,000</td>
<td>8,730</td>
<td>10,500</td>
<td>40,700</td>
<td>62,300</td>
</tr>
<tr>
<td>Zinc sulfate</td>
<td>808</td>
<td>769</td>
<td>60</td>
<td>81</td>
<td>382</td>
<td>320</td>
</tr>
<tr>
<td>Zinc sulfide</td>
<td>2,400</td>
<td>14,500</td>
<td>91</td>
<td>1,040</td>
<td>1,040</td>
<td>7,300</td>
</tr>
</tbody>
</table>

\(^1\)Data are rounded to no more than three significant digits.

\(^2\)May include revisions to previously published data.

\(^3\)Other than from the manufacture of iron and steel; containing mainly zinc.

Source: U.S. Census Bureau.
<table>
<thead>
<tr>
<th>Material and country or locality</th>
<th>2022</th>
<th>2023</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Ore and concentrate (zinc content):</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Australia</td>
<td>19,300</td>
<td>--</td>
</tr>
<tr>
<td>Belgium</td>
<td>45,200</td>
<td>2,860</td>
</tr>
<tr>
<td>Canada</td>
<td>241,000</td>
<td>5,800</td>
</tr>
<tr>
<td>China</td>
<td>49,400</td>
<td>--</td>
</tr>
<tr>
<td>Finland</td>
<td>23,300</td>
<td>--</td>
</tr>
<tr>
<td>Japan</td>
<td>63,400</td>
<td>1,340</td>
</tr>
<tr>
<td>Korea, Republic of</td>
<td>120,000</td>
<td>4,300</td>
</tr>
<tr>
<td>Netherlands</td>
<td>3,080</td>
<td>--</td>
</tr>
<tr>
<td>Spain</td>
<td>79,500</td>
<td>--</td>
</tr>
<tr>
<td>Other</td>
<td>43</td>
<td>4</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>644,000</td>
<td>14,300</td>
</tr>
<tr>
<td><strong>Refined zinc:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Belgium</td>
<td>758</td>
<td>--</td>
</tr>
<tr>
<td>Canada</td>
<td>1,460</td>
<td>75</td>
</tr>
<tr>
<td>Italy</td>
<td>2,470</td>
<td>--</td>
</tr>
<tr>
<td>Mexico</td>
<td>2,840</td>
<td>8</td>
</tr>
<tr>
<td>Spain</td>
<td>250</td>
<td>(3)</td>
</tr>
<tr>
<td>Other</td>
<td>293</td>
<td>(3)</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>8,070</td>
<td>84</td>
</tr>
<tr>
<td><strong>Oxide:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Belgium</td>
<td>387</td>
<td>39</td>
</tr>
<tr>
<td>Brazil</td>
<td>285</td>
<td>20</td>
</tr>
<tr>
<td>Canada</td>
<td>3,710</td>
<td>107</td>
</tr>
<tr>
<td>Colombia</td>
<td>275</td>
<td>48</td>
</tr>
<tr>
<td>Finland</td>
<td>797</td>
<td>100</td>
</tr>
<tr>
<td>France</td>
<td>57</td>
<td>1</td>
</tr>
<tr>
<td>India</td>
<td>828</td>
<td>10</td>
</tr>
<tr>
<td>Italy</td>
<td>108</td>
<td>--</td>
</tr>
<tr>
<td>Mexico</td>
<td>63,500</td>
<td>8,260</td>
</tr>
<tr>
<td>United Kingdom</td>
<td>145</td>
<td>40</td>
</tr>
<tr>
<td>Other</td>
<td>1,240</td>
<td>102</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>71,300</td>
<td>8,730</td>
</tr>
</tbody>
</table>

1Revised. -- Zero.  
2Data are rounded to no more than three significant digits; may not add to totals shown.  
3May include revisions to previously published data.  
4Less than ½ unit.  

Source: U.S. Census Bureau.
### TABLE 8
AVERAGE PRICES FOR SPECIAL HIGH GRADE ZINC

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>2022: July</td>
<td>35.2</td>
<td>175.63</td>
<td>140.46</td>
<td>3,096.58</td>
</tr>
<tr>
<td>August</td>
<td>39.5</td>
<td>201.52</td>
<td>162.03</td>
<td>3,572.13</td>
</tr>
<tr>
<td>September</td>
<td>39.0</td>
<td>181.18</td>
<td>142.23</td>
<td>3,135.72</td>
</tr>
<tr>
<td>October</td>
<td>38.2</td>
<td>172.40</td>
<td>134.22</td>
<td>2,959.05</td>
</tr>
<tr>
<td>November</td>
<td>38.4</td>
<td>170.98</td>
<td>132.58</td>
<td>2,922.97</td>
</tr>
<tr>
<td>December</td>
<td>36.9</td>
<td>178.75</td>
<td>141.86</td>
<td>3,127.50</td>
</tr>
<tr>
<td>January–December</td>
<td>32.1</td>
<td>190.19</td>
<td>158.05</td>
<td>3,484.42</td>
</tr>
<tr>
<td>2023: January</td>
<td>37.0</td>
<td>186.20</td>
<td>149.17</td>
<td>3,288.55</td>
</tr>
<tr>
<td>February</td>
<td>37.0</td>
<td>179.60</td>
<td>142.57</td>
<td>3,143.04</td>
</tr>
<tr>
<td>March</td>
<td>36.1</td>
<td>170.16</td>
<td>134.06</td>
<td>2,955.59</td>
</tr>
<tr>
<td>April</td>
<td>34.4</td>
<td>160.11</td>
<td>125.74</td>
<td>2,772.06</td>
</tr>
<tr>
<td>May</td>
<td>33.1</td>
<td>145.49</td>
<td>112.36</td>
<td>2,477.10</td>
</tr>
<tr>
<td>June</td>
<td>31.9</td>
<td>139.33</td>
<td>107.39</td>
<td>2,367.64</td>
</tr>
<tr>
<td>January–June</td>
<td>34.9</td>
<td>163.48</td>
<td>128.55</td>
<td>2,834.00</td>
</tr>
</tbody>
</table>


2Average of the cash buyer price and the cash seller and settlement price.

Source: S&P Global Platts Metals Week.
### TABLE 9
LONDON METAL EXCHANGE (LME) STOCKS OF SPECIAL HIGH GRADE ZINC, END OF PERIOD

(Metric tons)

<table>
<thead>
<tr>
<th>Period</th>
<th>Baltimore, MD</th>
<th>New Orleans, LA</th>
<th>Total</th>
<th>Asia</th>
<th>Europe</th>
<th>Middle East</th>
<th>Total LME</th>
</tr>
</thead>
<tbody>
<tr>
<td>2022:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>June</td>
<td>1,650</td>
<td>6,075</td>
<td>7,725</td>
<td>75,050</td>
<td>25</td>
<td>--</td>
<td>82,800</td>
</tr>
<tr>
<td>July</td>
<td>1,300</td>
<td>3,950</td>
<td>5,250</td>
<td>64,450</td>
<td>25</td>
<td>--</td>
<td>69,725</td>
</tr>
<tr>
<td>August</td>
<td>1,000</td>
<td>2,150</td>
<td>3,150</td>
<td>72,025</td>
<td>25</td>
<td>1,950</td>
<td>77,150</td>
</tr>
<tr>
<td>September</td>
<td>975</td>
<td>750</td>
<td>1,725</td>
<td>49,925</td>
<td>25</td>
<td>1,950</td>
<td>53,625</td>
</tr>
<tr>
<td>October</td>
<td>650</td>
<td>--</td>
<td>650</td>
<td>42,450</td>
<td>25</td>
<td>1,700</td>
<td>44,825</td>
</tr>
<tr>
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<td>350</td>
<td>--</td>
<td>350</td>
<td>39,550</td>
<td>25</td>
<td>1,300</td>
<td>41,225</td>
</tr>
<tr>
<td>December</td>
<td>25</td>
<td>--</td>
<td>25</td>
<td>29,425</td>
<td>25</td>
<td>1,000</td>
<td>30,475</td>
</tr>
<tr>
<td>2023:</td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>January</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>15,475</td>
<td>--</td>
<td>1,000</td>
<td>16,475</td>
</tr>
<tr>
<td>February</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>32,225</td>
<td>--</td>
<td>1,000</td>
<td>33,225</td>
</tr>
<tr>
<td>March</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>44,300</td>
<td>--</td>
<td>750</td>
<td>45,050</td>
</tr>
<tr>
<td>April</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>52,525</td>
<td>--</td>
<td>400</td>
<td>52,925</td>
</tr>
<tr>
<td>May</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>87,400</td>
<td>--</td>
<td>50</td>
<td>87,450</td>
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<tr>
<td>June</td>
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<td>--</td>
<td>--</td>
<td>80,225</td>
<td>--</td>
<td>50</td>
<td>80,275</td>
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</table>

-- Zero.

Source: London Metal Exchange, Ltd.