

# Mineral Industry Surveys

## For information, contact:

Chad A. Friedline, Tin Commodity Specialist  
National Minerals Information Center  
Telephone: (703) 648-7715  
Email: cfriedline@usgs.gov

Samuel Oldham (Data)

Telephone: (703) 648-7945

Email: soldham@usgs.gov

Internet: <https://www.usgs.gov/centers/national-minerals-information-center/mineral-industry-surveys>

## TIN IN NOVEMBER 2023

Domestic reported consumption of primary refined tin in November 2023 was 1,490 metric tons (t), a slight increase from the reported consumption in October 2023, and a 3% increase from that in November 2022. Apparent consumption of refined tin in November 2023 was 2,650 t, a 3% decrease from that in October 2023, and a 10% decrease from that in November 2022 (table 1).

## Prices

The S&P Global Platts Metals Week average New York dealer price of Grade A tin for November 2023 was \$11.54 per pound, a slight decrease from that in October 2023, and an 11% increase from that in November 2022. The average London Metal Exchange (LME) cash price of Grade A tin for November 2023 was \$10.98 per pound, a slight decrease from that in October 2023, and a 15% increase from that in November 2022 (fig. 1, table 2).

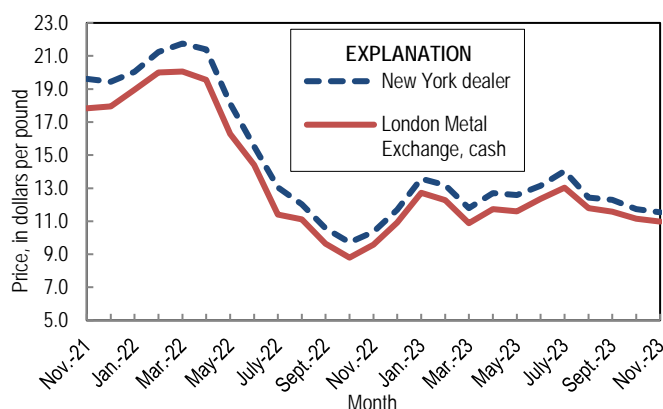


Figure 1. Average monthly prices for Grade A tin from November 2021 through November 2023. Source: S&P Global Platts Metals Week.

## U.S. Trade

Total refined tin imports in November 2023 were 1,820 t, a slight increase from those in October 2023 and a 13% decrease from those in November 2022. The leading sources of refined tin in November 2023 were Peru (40%), Bolivia (31%), Indonesia (11%), and Brazil (10%). Total refined tin exports in November 2023 were 29 t, a decrease of 40 t from those in

October 2023 and an increase of 7 t from those in November 2022 (table 4).

## Industry News

In November, Andrada Mining Ltd. of Guernsey [United Kingdom] (formerly AfriTin Mining Ltd.) announced a USD 25 million investment from Orion Resource Partners (United States). The funding was expected to enhance tin production at its Uis Mine in Namibia and expedite the operational commencement of its lithium and tantalum projects. Additionally, Andrada Mining renewed off-take agreements with Thailand Smelting and Refining Co., Ltd. (Thaisarco) and AfriMet Resources AG, extending its tin and tantalum concentrate supply contracts (Andrada Mining Ltd., 2023a, 2023b).

Rome Resources Ltd. (British Columbia, Canada) announced assay results of core samples from its Mont Agoma Prospect located in the North Kivu Province of Congo (Kinshasa). The core contained high-grade mineralization intersections of copper, zinc, silver, and tin (Sn). The assays indicated tin intersections within the upper mineralized levels that ranged from 0.21% Sn to 0.43% Sn (Rome Resources Ltd., 2023, p. 1).

In late October, TinOne Resources Inc. (British Columbia, Canada) reported the results from its initial mineral resource estimate for its 100% owned Great Pyramid tin project, located in Tasmania, Australia. The company reported an inferred ore resource of approximately 8.4 million metric tons with an average grade of 0.17% Sn for an estimated 14,000 t of contained tin (TinOne Resources Inc., 2023, p. 1).

## References Cited

- Andrada Mining Ltd., 2023a, Renewal of the THAISARCO and AFRIMET off-take agreements: St. Peter Port, Guernsey (United Kingdom), Andrada Mining Ltd. press release, November 15. (Accessed February 5, 2024, at [https://polaris.brighterir.com/public/andrada\\_mining/news/rms/story/xzeozpx](https://polaris.brighterir.com/public/andrada_mining/news/rms/story/xzeozpx).)
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- Rome Resources Ltd., 2023, Rome Resources announces final assay results that confirm tin and polymetallic mineralization open in all directions and at

depth at the Mont Agoma Prospect, Bisie North Tin Project: Vancouver, British Columbia, Canada, Rome Resources Ltd. press release, November 3, 7 p. (Accessed February 5, 2024, at [https://romeresources.com/wp-content/uploads/2023/11/RMR-NR-2023-25-Assay-Results-MA\\_3November2023192673-1.pdf](https://romeresources.com/wp-content/uploads/2023/11/RMR-NR-2023-25-Assay-Results-MA_3November2023192673-1.pdf).)

TinOne Resources Inc., 2023, TinOne announces initial mineral resource estimate for the Great Pyramid Project, Tasmania, Australia: Vancouver, British Columbia, Canada, TinOne Resources Inc. press release, October 30, 7 p. (Accessed February 5, 2024, at [https://tinone.ca/wp-content/uploads/2023/10/2023-10-30-TinOne\\_Great\\_Pyramid\\_MRE\\_Update\\_FINAL.pdf](https://tinone.ca/wp-content/uploads/2023/10/2023-10-30-TinOne_Great_Pyramid_MRE_Update_FINAL.pdf).)

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TABLE 1  
SALIENT TIN STATISTICS<sup>1</sup>

(Metric tons, unless otherwise noted)

	2023			
	2022	October	November	January– November <sup>2</sup>
Production, secondary <sup>e, 3</sup>	10,300	858	858	9,440
Consumption, reported:				
Primary	18,000	1,470	1,490	16,400
Secondary	311	29	24	279
Consumption, apparent <sup>4</sup>	42,200	2,580	2,650	34,500
Imports for consumption, refined tin	33,200	1,790	1,820	25,900
Exports, refined tin	1,310	69	29	841
Stocks at end of period	5,020	5,180	5,140	5,140
Prices (average cents per pound): <sup>5</sup>				
Metals Week New York dealer, Grade A	1,545.94	1,173.44	1,153.63	1,263.67
London Metal Exchange cash	1,422.55	1,115.70	1,097.86	1,183.09

<sup>1</sup>Revised. <sup>e</sup>Estimated.

<sup>1</sup>Data are rounded to no more than three significant digits, except prices.

<sup>2</sup>May include revisions to previously published data.

<sup>3</sup>Includes tin recovered from alloys and tinplate. The detinning of tinplate (coated steel) yields only a small part of the total.

<sup>4</sup>Defined as secondary production plus imports minus exports.

<sup>5</sup>Source: S&P Global Platts Metals Week.

TABLE 2  
AVERAGE TIN PRICES

(Cents per pound)

Period	Metals Week New York dealer, Grade A	London Metal Exchange cash
2022:		
November	1,035.87	957.71
December	1,170.25	1,092.02
January–December	1,545.94	1,422.55
2023:		
January	1,356.78	1,272.70
February	1,319.25	1,226.84
March	1,178.89	1,088.50
April	1,269.38	1,176.35
May	1,257.67	1,160.57
June	1,314.11	1,235.74
July	1,404.25	1,303.07
August	1,243.33	1,178.19
September	1,229.63	1,158.47
October	1,173.44	1,115.70
November	1,153.63	1,097.86
January–November	1,263.67	1,183.09

Source: S&P Global Platts Metals Week.

TABLE 3  
TINPLATE PRODUCTION AND SHIPMENTS IN THE UNITED STATES<sup>1</sup>

(Metric tons, unless otherwise noted)

Period	Tinplate (all forms)			
	Production			Shipments <sup>2</sup> (gross weight)
	Gross weight	Tin content	Tin per metric ton of plate (kilograms)	
2022:				
November	36,200	400	11.0	69,400
December	31,700	410	13.0	54,900
January–December	460,000	5,100	11.1	894,000
2023:				
January	29,900	405	13.5	62,400
February	28,300	399	14.1	54,800
March	31,400	418	13.3	59,500
April	33,300	416	12.5	57,200
May	33,300	415	12.4	63,100
June	31,600	417	13.2	62,300
July	25,700	385	15.0	56,600
August	28,500	392	13.8	65,000
September	29,400	397	13.5	54,900
October	28,800	396	13.7	50,700
November	27,400	400	14.6	47,000
January–November	328,000	4,440	13.6	634,000

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

<sup>2</sup>Source: American Iron and Steel Institute monthly publication.

TABLE 4  
U.S. TIN IMPORTS FOR CONSUMPTION AND EXPORTS<sup>1</sup>

(Metric tons, gross weight)

Country/locality, or product	2022	2023		
		October	November	January– November <sup>2</sup>
Imports:				
Refined tin:				
Belgium	433	60	45	387
Bolivia	10,600	472	573	6,680
Brazil	4,390	151	176	2,550
Canada	281	16	12	213
Congo (Kinshasa)	--	--	26	259
Indonesia	5,250	251	201	3,370
Japan	66	10	10	44
Malaysia	878	--	--	1,960
Peru	9,400	786	734	8,690
Poland	1,370	--	--	943
Thailand	279	45	23	393
Other	269	(3)	25	400
Total	33,200	1,790	1,820	25,900
Other:				
Alloys	735	86	67	848
Bars, rods, profiles, and wire	1,510	61	88	1,290
Flakes and powders	308	2	9	61
Foil	90	(3)	1	50
Plates, sheets, strip	6	(3)	(3)	1
Tubes, pipes, and tube and pipe fittings	19	70	101	426
Waste and scrap	11,600	1,350	1,410	9,810
Miscellaneous <sup>4</sup>	2,010	58	66	728
Exports:				
Refined tin	1,310	69	29	841
Alloys	531	65	29	595

-- Zero.

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

<sup>2</sup>May include revisions to previously published data.

<sup>3</sup>Less than ½ unit.

<sup>4</sup>Includes other articles of tin not elsewhere specified or included (HTS code 8007.00.5000).

Source: U.S. Census Bureau.

TABLE 5  
REPORTED CONSUMPTION OF TIN IN THE UNITED STATES, BY FINISHED PRODUCT<sup>1</sup>

(Metric tons of contained tin)

Product	2022	2023						
		October			November			January– November <sup>2</sup>
		Primary	Secondary	Total	Primary	Secondary	Total	
Alloys (miscellaneous) <sup>3</sup>	1,910	160	--	160	159	--	159	1,740
Babbitt	112	12	W	12	11	W	11	127
Bronze and brass	810	44	9	53	44	9	53	625
Chemicals	2,800	215	--	215	206	--	206	2,480
Solder	1,600	131	W	131	156	W	156	1,520
Tinning	233	28	--	28	28	--	28	311
Tinplate <sup>4</sup>	5,120	396	W	396	400	W	400	4,440
Other <sup>5</sup>	5,770	480	20	500	483	15	498	5,440
Total reported	18,400	1,470	29	1,490	1,490	24	1,510	16,700

W Withheld to avoid disclosing company proprietary data; included with “Other.” -- Zero.

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

<sup>2</sup>May include revisions to previously published data.

<sup>3</sup>Includesterne metal.

<sup>4</sup>Includes secondary pig tin and tin components of tinplating chemical solutions.

<sup>5</sup>Includes bar tin and anodes, britannia metal, collapsible tubes and foil, jewelers’ metal, pewter, tin powder, type metal, and white metal.