

UNITED STATES TARIFF COMMISSION

LEAD AND ZINC

**Report to the President (1961)
Under Executive Order 10401**



TC Publication 35

**Washington
October 1961**

U. S. TARIFF COMMISSION

Joseph E. Talbot

Walter R. Schreiber

Glenn W. Sutton

William E. Dowling

J. Allen Overton, Jr.

Donn N. Bent, Secretary

Address all communications to
United States Tariff Commission
Washington 25, D. C.

UNITED STATES TARIFF COMMISSION
WASHINGTON 25, D. C.

October 2, 1961

Dear Mr. President:

I have the honor to transmit the United States Tariff Commission's second report under paragraph 1 of Executive Order 10401 with regard to developments in the trade in lead and zinc since the modification of the tariff concession on lead and zinc granted in the General Agreement on Tariffs and Trade.

The Commission is of the view that developments in the trade in lead and zinc do not indicate such a change in the competitive situation as to warrant institution at this time of a formal investigation under the provisions of paragraph 2 of Executive Order 10401.

Respectfully,



Donn N. Bent, Secretary
By Order of the Commission

Enclosure

The President

The White House

CONTENTS

	<u>Page</u>
Introduction-----	1
Mine output-----	2
Employment and hourly wage payments in U.S. lead and zinc mining-----	3
U.S. market prices-----	4
New York-London market price differentials-----	5
Lead-----	5
Zinc-----	6
Consumption and U.S. Government acquisitions-----	7
Producers' stocks-----	8
Lead-----	8
Zinc-----	9
U.S. commercial imports-----	10
U.S. exports-----	12
Statistical appendix-----	13
(Tables are listed beginning on page 14)	

(TC28306)

U.S. TARIFF COMMISSION
Washington

Lead and Zinc

(September 1961)

Introduction

After investigation by the Tariff Commission and report to the President under section 7 of the Trade Agreements Extension Act of 1951, as amended, ^{1/} the President modified the concessions on unmanufactured lead and zinc granted in the General Agreement on Tariffs and Trade by proclamation dated September 22, 1958 (Proclamation No. 3257 of Sept. 22, 1958; 3 CFR, 1958 Supp., p. 39).

Under the terms of the proclamation, effective October 1, 1958, import duties were not changed, but the total quantity of commercial imports of both unmanufactured lead and zinc permitted to be entered annually was limited to 80 percent of the annual average of commercial imports during the 5-year period 1953-57. The quotas, moreover, were subdivided by calendar quarters, by tariff schedule classifications, and by principal countries exporting to the United States. Table 1 in the appendix shows the rates of duty for unmanufactured lead and zinc articles originally provided under the Tariff Act of 1930 and the reduced rates now in effect as a result of tariff concessions granted by the United States. Tables 2 and 2A show the quarterly quotas that were imposed and the actual

^{1/} See U.S. Tariff Commission, Lead and Zinc: Report to the President on Escape-Clause Investigation No. 65 under the Provisions of Section 7 of the Trade Agreements Extension Act of 1951, as amended, April 1958 (processed).

quantities of the respective lead and zinc articles imported in each calendar quarter since October 1, 1958.

Executive Order 10401 of October 14, 1952 (3 CFR, 1949-1953 Comp., p. 901), prescribes procedures for the periodic review of a tariff modification resulting from an escape-clause action, with a view to determining whether the whole or any part of the concession that was withdrawn or modified may be restored without causing or threatening serious injury to the domestic industry concerned. This is the second report on unmanufactured lead and zinc submitted by the Commission pursuant to paragraph 1 of the Executive order. In its first report to the President on September 30, 1960, the Commission stated that no such change had occurred in the competitive situation as to warrant institution of a formal investigation under the provisions of paragraph 2 of that order.

In March 1960 the Tariff Commission submitted a comprehensive report on lead and zinc to the Congress, pursuant to a Senate resolution. ^{1/} That report reviewed in detail developments since 1952 with respect to both unmanufactured and manufactured lead and zinc. The present report reviews developments since 1957 and avoids repetition of facts in the reports of March and September 1960.

Mine output

The year 1957 was the last full year for which statistics were shown in the Tariff Commission's most recent escape-clause investigation (April 1958).

^{1/} U.S. Tariff Commission, Lead and Zinc: Report to the Congress on Investigation No. 332-26 (Supplemental) Under Section 332 of the Tariff Act of 1930 Made Pursuant to Senate Resolution 162, 86th Congress, Adopted August 21, 1959, March 1960 (processed).

U.S. mine output of lead declined from 338,000 tons in 1957 to 267,000 tons in 1958, to 256,000 tons in 1959, and to 247,000 tons in 1960. Production in 1960 was the lowest on record since 1899. U.S. mine output of lead in the first half of 1961, the last period for which data are available, amounted to 136,000 tons, or 1 percent more than in the corresponding period of 1960 (table 3).

U.S. mine output of zinc declined from 532,000 tons in 1957 to 412,000 tons in 1958, but increased to 425,000 tons in 1959 and to 435,000 tons in 1960. Production in 1960 was almost 6 percent higher than in 1958, but in each of the years 1958, 1959, and 1960 it was lower than in any earlier year since the great depression of the early 1930's. U.S. mine output of zinc in the first half of 1961 was 239,000 tons, virtually the same as in the corresponding period of 1960 (table 4).

Employment and hourly wage payments
in U.S. lead and zinc mining

Employment in the lead and zinc mining industry in the United States after 1957 declined even more sharply than did mine output. As shown by data collected and compiled by the Tariff Commission, the number of all employees dropped from an average of 15,900 during January-September 1957, the last period for which data were available at the time of the Commission's escape-clause report, to 10,800 in the first 9 months of 1958, and to 9,800 during the corresponding period in 1959 (table 7). According to data compiled by the U.S. Bureau of Labor Statistics, the average number of employees at lead and zinc mines in the first 9 months of 1960 was about 7 percent less than the average in the first 9 months of 1959; according to this source, employment declined steadily in each quarter of 1960, and the average for the first half of 1961, the last

period for which data are available, was 16 percent smaller than the average for the corresponding period of 1960.

Average hourly wages per man-hour of production and related workers at lead and zinc mines (including man-hours paid for during holidays, sick leave, and vacations), which amounted to \$2.17 to \$2.19 during the years 1957 and 1958, increased to \$2.26 in 1959 and to \$2.29 in 1960; during the first half of 1961 the average was \$2.27 (table 7). ^{1/}

U.S. market prices

The market price of lead in the United States (Common grade, New York) declined from an annual average of 14.7 cents per pound in 1957 to 12.1 cents in 1958. The price averaged 12.2 cents in 1959 and 11.9 cents in 1960 (table 3). Since December 13, 1960, the price of lead has remained at 11 cents per pound (table 8).

The average annual market price of zinc in the United States (Prime Western grade, East St. Louis) declined from 11.4 cents per pound in 1957 to 10.3 cents in 1958 (a year of low zinc consumption) but increased to 11.4 cents in 1959 and to 12.9 cents in 1960 (table 4). The price of zinc declined to 11.5 cents on January 10, 1961, and, according to the latest price information, has remained at that level (table 9).

Since a large part of the lead and zinc mined is produced jointly from complex ores, the welfare of many mineowners (and miners) depends

^{1/} Mine operators have sought to offset the increased wage rates by increasing labor productivity through adoption of low-cost modern methods and greater mechanization. Some of the newer mines with suitable ore bodies, especially in States east of the Mississippi River, were developed from the outset to permit large-scale mechanization. But physical conditions at many of the older mines, particularly in the western States, are adaptable only to a limited degree to low-cost modern methods and equipment.

upon the combined market prices of lead and zinc. The U.S. market price of a pound of lead plus a pound of zinc was 26.1 cents in 1957, 22.4 cents in 1958 (a year of low lead and zinc consumption in the United States), 23.7 cents in 1959, 24.9 cents in 1960, and 22.5 cents during the first 8 months of 1961 (tables 3, 4, 10, and 11).

New York-London market price differentials

The United States is by far the world's largest consumer of lead and zinc. It is also the world's largest importer of these metals. In the past 3 years (1958-60) about two-fifths of its total industrial consumption of lead and about 47 percent of its total consumption of zinc were supplied by commercial imports (i.e., imports similar to those which are subject to import quotas, table 27). Under these circumstances, any restriction of imports tends to cause market prices for lead and zinc in the United States to increase relative to prices in foreign markets. Average monthly market prices in the United States and those on the London Metal Exchange for the last several years are shown for lead in table 10 and for zinc in table 11.

Lead.--The differential between the New York and the London price for lead averaged about 2.6 cents per pound in 1957, 3.0 cents in 1958, 3.3 cents in 1959, 2.9 cents in 1960, and 2.8 cents during the first 8 months of 1961, the last period for which data are available (table 10).

A differential, sufficient to equal only the U.S. import duty plus the cost of transportation, wharfage, and insurance from London to New York City, amounted to about 2.1 cents per pound in mid-1961. As shown in table 10, the average differential has exceeded 2.1 cents per pound in every month since April 1957. The price differential for lead

metal during the last 3-year period beginning with October 1958 has been only slightly higher than it was during the preceding 3 years. The average differential in the last months of 1959 was unusually large (4.2 cents per pound in September and October), probably reflecting the shutdown of U.S. lead smelters and refineries owing to labor disputes. Testimony before the Tariff Commission in January 1960 suggested that a differential of this magnitude, if it were to continue, might give rise to large imports of lead in manufactured forms not subject to import quotas. The 4-cent differential was of short duration, however, and actual imports of lead in forms not subject to quotas remained small.

Zinc.--The New York-London price differential for zinc averaged about 1.7 cents per pound in 1957, 2.6 cents in 1958, 1.7 cents in 1959, 2.3 cents in 1960, and 1.9 cents in the first 8 months of 1961 (table 11). In mid-1961, the cost of transportation, wharfage, and insurance from London to New York City plus the U.S. import duty amounted to 1.8 cents per pound.

The price differential for zinc metal, as also for lead metal, has not been appreciably higher during the 3 years since October 1, 1958, than it was in the preceding 3 years. This is apparently attributable to a slackening in the demand for zinc in the United States relative to that in Europe since the import quotas were imposed. Such weakening in demand is also reflected by unfilled U.S. import quotas for zinc beginning with the third quarter of 1959 (table 2A). Only 89 percent of the zinc quota was filled during April-June 1961, the last full quarter for which data are available.

For zinc, as for lead, a large increase in the differential between U.S. and foreign market prices might give rise to the importation of zinc in a variety of forms not subject to quota. However, the price differential has increased very little since October 1, 1958, and imports of zinc in forms not subject to quota have remained small.

Consumption and U.S. Government acquisitions

Part of the recent changes in the market prices of lead and zinc in the United States is attributable to changes in industrial consumption of these metals. The unusually low prices in 1958 coincided with unusually low industrial consumption of lead and zinc in that recession year. U.S. industrial consumption of lead in all forms declined from 1,138,000 tons in 1957 to 986,000 tons in 1958. It amounted to 1,091,000 tons in 1959 and to 1,021,172 in 1960 when it was 10 percent smaller than in 1957. Industrial consumption of lead in the first half of 1961 was 5 percent smaller than in the corresponding period of 1960 (table 3). The decline in industrial consumption since 1957 has been accompanied by a decline and eventual cessation of acquisitions of lead by the U.S. Government, principally for stockpiling. Government acquisitions of domestic lead are estimated from trade sources to have been 58,000 tons in 1957 and 32,000 tons in 1958, after which they ceased.

Industrial consumption of zinc in all forms in the United States declined from 1,232,000 tons in 1957 to 1,142,000 in 1958, increased to 1,279,000 tons in 1959, and then declined to 1,166,000 tons in 1960, when it was 5 percent smaller than in 1957. Consumption in the first 6 months of 1961 was about 10 percent smaller than in the corresponding period of 1960 (table 4). The changes in industrial consumption of zinc in the

United States after 1957, as in those of lead, were accompanied by the abrupt decline and eventual cessation of acquisitions by the U.S. Government. Government acquisitions of domestic zinc are estimated from trade sources to have been 73,500 tons in 1957, 34,500 tons in 1958, and 3,000 tons in 1959, after which they ceased.

On the basis of data partly estimated, the consumption of primary lead metal outside the United States increased in successive years from 1,642,000 short tons in 1957 to 1,922,000 tons in 1960 (table 5). Similarly, the consumption of primary zinc metal in foreign countries increased in each year from 1,992,000 short tons in 1957 to 2,454,000 tons in 1960 (table 6).

Producers' stocks

Lead.--At the end of 1957, the quantity of refined pig lead and antimonial lead held by primary smelters and refineries in the United States amounted to 92,000 tons. Inventories of such metal at the end of 1959 were 120,000 tons, at the end of 1960 they were 160,000 tons, and at the end of July 1961, the last date for which data are available, they were 195,000. Stocks of lead contained in ores and concentrates held by such smelters and refineries have also increased substantially. As a result, total stocks of lead (both in ores and in metal) held by these producers were 208,000 tons at the end of 1957, 230,000 tons at the end of 1959, 306,000 tons at the end of 1960, and 315,000 tons at the end of July 1961, the last date for which data are available (table 12).

Stocks of refined lead held by primary lead refineries outside the United States have also increased--from 86,000 tons at the end of 1957, to 127,000 tons at the end of 1959, and to 182,000 tons at the end of

of 1960; stocks at the end of July 1961 amounted to 184,000 tons.^{1/} Representatives of 23 countries, in a group known as the International Lead and Zinc Study Group sponsored by the United Nations, met in Mexico City in March 1961. The Group concluded that in view of the existence of substantial stocks of unsold lead metal in producers' hands and the estimated surplus of supplies over consumption of about 90,000 tons in 1960, curtailment of lead supplies was necessary.

Thereafter, a number of countries announced steps to reduce production of lead ore or lead metal. U.S. representatives at this meeting announced that the United States was ready to negotiate for the barter of surplus lead stocks accumulated before December 31, 1960, in exchange for some of its surplus agricultural commodities. By August 1961 the United States had concluded agreements for the barter of 45,000 tons of lead metal from Australia and 55,000 tons of lead metal from Canada. These barter transactions were negotiated on the condition that neither of the two large lead producers involved would undertake to produce or sell lead in excess of the figures provisionally agreed upon at the International Lead and Zinc Study Group meeting in Mexico City.

Zinc.--Producers' (smelters and refineries) stocks of slab zinc declined from 167,000 tons at the end of 1957 to 154,000 tons at the end of 1959, and then increased to 191,000 tons at the end of 1960. In 1961, stocks exceeded 200,000 tons at the end of each of the first 7 months. At the end of August 1961, the last date for which data are available, stocks of slab zinc amounted to 188,000 tons (table 13). Producers' stocks of

^{1/} Data compiled by the American Bureau of Metal Statistics for stocks in Australia, Canada, France, Morocco, Tunisia, West Germany, Mexico, Peru, and Belgium.

zinc in ores and other zinciferous materials, being much larger than their stocks of slab zinc, increased between the end of 1957 and the end of 1960 and then declined; at the end of July 1961, however, the last date for which data are available, such stocks were substantially higher than the stocks at the end of 1957 (table 14). Although producers' aggregate stocks of both slab zinc and of zinc in ores have declined in recent months, total stocks were substantially larger at the end of July 1961 than they were at the end of 1957.

Monthly data on stocks of slab zinc at zinc smelters outside the United States, available since about mid-1960, indicate that such stocks declined from 121,000 short tons at the end of July 1960 to 111,000 tons at the end of 1960, and then rose to 160,000 tons at the end of July 1961, ^{1/} the last date for which these data are available.

No specific action to reduce zinc supplies was taken at the meeting of the International Lead and Zinc Study Group at Mexico City in March 1961. It was deemed that supplies of zinc were excessive only in the United States.

U.S. commercial imports

The absolute annual import quotas established on October 1, 1958, limited commercial imports of unmanufactured lead and zinc to 80 percent of the average rate of such imports during the 5-year period 1953-57.

"Commercial imports" refers to imports for consumption exclusive of imports for U.S. Government account and exclusive of imports for smelting, refining, and export.

^{1/} As published by the American Bureau of Metal Statistics from data collected by that agency for Australia, Canada, Mexico, Peru, and part of Africa and Argentina, and from data collected by the Organization of European Economic Co-Operation for Austria, Belgium, France, West Germany, Italy, Netherlands, Norway, Spain, and the United Kingdom.

Annual commercial imports of unmanufactured lead averaged about 443,000 short tons during the base period 1953-57 and amounted to about 529,000 tons in 1958, an amount 19 percent larger than average annual imports during the base period (table 27). The lead import quota that became effective on October 1, 1958, amounted to 354,720 tons on an annual basis. During 1959, commercial imports amounted to 347,118 tons, about 66 percent of the volume of imports in 1958. Commercial imports during 1960 amounted to 354,216 tons and during the first half of 1961 to 177,358 tons, both quantities being virtually equal to the corresponding import quotas. ^{1/}

The ratio of commercial imports of unmanufactured lead to the U.S. industrial consumption of lead in all forms in the United States, which averaged about 38 percent during the base period 1953-57, was about 54 percent in 1958, 31.8 percent in 1959, 34.7 percent during 1960, and 35.5 percent during the first half of 1961 (table 27). The increase in the ratio since 1959 reflects a decline in industrial consumption.

Annual commercial imports of unmanufactured zinc averaged 651,000 short tons during 1953-57 and amounted to 661,000 tons in 1958, which was about 1.5 percent larger than the average during the base period (table 27). The zinc import quota that became effective on October 1, 1958, amounted to 520,960 tons on an annual basis. During 1959, commercial imports amounted to 514,114 tons, about 22 percent less than the quantity imported during 1958. Such imports amounted to 501,602 tons in 1960 (96.3 percent of the quota) and to 234,073 tons in the first half of 1961 (89.9 percent of the quota).

^{1/} Data for periods prior to Oct. 1, 1958, compiled from official statistics of the U.S. Department of Commerce; data for periods since Oct. 1, 1958, as reported by the U.S. Treasury Department.

The ratio of commercial imports of unmanufactured zinc to industrial consumption of zinc in all forms in the United States, which averaged about 50 percent during the base period 1953-57, was about 58 percent in 1958, 40.2 percent in 1959, 43.0 percent in 1960, and 41.0 percent in the first 6 months of 1961 (table 27). The increase in the ratio between 1959 and 1960 reflected a decline in zinc consumption. Notwithstanding that the rate of zinc consumption during the first half of 1961 was lower than during 1960, the ratio of commercial imports to consumption declined to 41.0 percent during the first half of 1961 owing to the decline in commercial imports in this period when only 89.9 percent of the zinc import quota was filled.

U.S. exports

In recent years, exports of both lead and zinc have been small, particularly the exports of lead.

U.S. quarterly exports of lead since April 1957 have been less than 2,000 tons in all quarters except April-June 1961, when they amounted to 3,000 tons (table 3).

In the 5 quarters beginning October 1958 U.S. exports of zinc averaged 5,000 tons per quarter (table 4). In the following 6 quarters, beginning on January 1, 1960, exports of zinc averaged 20,400 tons per quarter; the increase reflects principally the increased demand for zinc in Europe and efforts of U.S. smelting companies to reduce inventories held in bonded warehouses. The bulk of these recent exports represent zinc metal produced from imported zinc-bearing ores in bonded smelters. The ores used to produce these metals were entered free of duty and were not subject to import quotas.

STATISTICAL APPENDIX

CONTENTS OF TABLES

- 1.--Unmanufactured lead and zinc: U.S. rates of duty under the Tariff Act of 1930--the statutory rate, which was still in effect on July 1, 1934, and the reduced rate in effect on Oct. 1, 1960
- 2.--Unmanufactured lead: U.S. commercial imports for consumption, by countries, quarterly averages, 1953-57 and January-September 1958; import quotas established on Oct. 1, 1958, by countries; and the extent to which, and the rapidity with which, the quotas were filled in each calendar quarter, October 1958-September 1961
- 2A.--Unmanufactured zinc: U.S. commercial imports for consumption, by countries, quarterly averages, 1953-57 and January-September 1958; import quotas established on Oct. 1, 1958, by countries; and the extent to which, and the rapidity with which, the quotas were filled in each calendar quarter, October 1958-September 1961
- 3.--Unmanufactured lead: U.S. production, stocks, imports, exports, consumption, and market prices, average 1937-39, annual 1943 and 1946-60, and by quarters, January 1957-June 1961
- 4.--Unmanufactured zinc: U.S. production, stocks of slab zinc, imports, exports, consumption, and market prices, average 1937-39, annual 1943 and 1946-60, and by quarters, January 1957-June 1961
- 5.--Lead: Mine output, smelter output of primary metal, and consumption of primary metal in the United States, outside the United States, and in the world, average 1937-38, annual 1946-60
- 6.--Zinc: Mine output, smelter output of primary metal, and consumption of primary metal in the United States, outside the United States, and in the world, average 1937-38, annual 1946-60
- 7.--Lead and zinc mining and milling: Average number of all employees and of production and related workers, and average hourly earnings of production and related workers, January 1956-June 1961
- 8.--Common lead: Average market prices at New York, average 1937-39, annual averages 1948-50, and average daily prices in the United States since Jan. 1, 1951
- 9.--Prime Western zinc: Average market prices at East St. Louis, average 1937-39, annual averages 1948-50, and average daily prices in the United States since Jan. 1, 1951
- 10.--Lead metal: Average monthly market prices at New York and at London, April 1953-August 1961
- 11.--Slab zinc: Average monthly market prices in the United States and at London, April 1953-August 1961
- 12.--Lead: Producers' stocks, by kinds, at primary smelters and refineries, in the United States, at the end of each year, 1951-60, and at the end of each month, January 1958-July 1961
- 13.--Slab zinc: Producers' primary and secondary stocks in the United States, by standard grades, at the end of each year, 1951-60, and at the end of each month, January 1958-August 1961

- 14.--Zinc in ore and other zinciferous materials: Indexes of stocks held at zinc smelters in the United States at the end of each year, 1951-60, and at the end of each month, January 1958-July 1961
- 15.--Unmanufactured lead: U.S. import quotas, effective Oct. 1, 1958, and imports for consumption (commercial only and total), by type of material, quarterly averages, 1953-57, and January-September 1958, and by quarters, October 1958-June 1961
- 16.--Unmanufactured zinc: U.S. import quotas, effective Oct. 1, 1958, and imports for consumption (commercial only and total), by type of material, quarterly averages 1953-57, and January-September 1958, and by quarters, October 1958-June 1961
- 17.--Unmanufactured lead: U.S. imports for consumption, by kinds of material, and by customs treatment, 1952-60, and by quarters, January 1957-June 1961
- 18.--Unmanufactured zinc: U.S. imports for consumption, by kinds of material, and by customs treatment, 1952-60, and by quarters, January 1957-June 1961
- 19.--Unmanufactured lead: U.S. imports for consumption, by principal countries, 1952-60, January-June 1960, and January-June 1961
- 20.--Lead-bearing ores, flue dust, and mattes: U.S. imports for consumption, by principal countries, 1952-60, January-June 1960, and January-June 1961
- 21.--Lead metal: U.S. imports for consumption, by principal countries, 1952-60, January-June 1960, and January-June 1961
- 22.--Unmanufactured zinc: U.S. imports for consumption, by principal countries, 1952-60, January-June 1960, and January-June 1961
- 23.--Zinc-bearing ores: U.S. imports for consumption, by principal countries, 1952-60, January-June 1960, and January-June 1961
- 24.--Zinc metal: U.S. imports for consumption, by principal countries, 1952-60, January-June 1960, and January-June 1961
- 25.--Unmanufactured lead, dutiable: U.S. imports for immediate consumption, withdrawals from bonded warehouses, and entries into bonded warehouses, by months, January 1958-June 1961
- 26.--Unmanufactured zinc, dutiable: U.S. imports for immediate consumption, withdrawals from bonded warehouses, and entries into bonded warehouses, by months, January 1958-June 1961
- 27.--Unmanufactured lead and zinc: Commercial imports for consumption, industrial consumption, and the ratio of commercial imports to industrial consumption in the United States, annual average 1953-57, annual 1958-60, and January-June of 1960 and 1961

Table 1.--Unmanufactured lead and zinc: U.S. rates of duty under the Tariff Act of 1930--the statutory rate, which was still in effect on July 1, 1934, and the reduced rates in effect since Oct. 1, 1958

Tariff paragraph and description	Statutory rate, 1/ which was still in effect July 1, 1934	Reduced rate since Oct. 1, 1958 2/	
		Rate	Effective date
<u>Unmanufactured lead</u>			
Par. 391: Lead-bearing ores, flue dust, and mattes of all kinds-----	1-1/2¢ per lb. on lead content.	3/4¢ per lb. on lead content; also subject to quota limitations.	June 6, 1951.
Par. 392: Lead bullion or base bullion, lead pigs and bars, lead dross, reclaimed lead, scrap lead, type metal, antimonial lead, antimonial scrap lead, and alloys or combinations of lead, not specially provided for.	2-1/8¢ per lb. on lead content.	1-1/16¢ per lb. on lead content; also subject to quota limitations.	Do.
<u>Unmanufactured zinc</u>			
Par. 393: Zinc-bearing ores of all kinds, except pyrites containing more than 3% zinc.	1-1/2¢ per lb. on zinc content.	3/5¢ per lb. on zinc content; also subject to quota limitations.	Do.
Par. 394: Zinc in blocks, pigs, or slabs-----	1-3/4¢ per lb.	7/10¢ per lb.; also subject to quota limitations.	Do.
Old and worn-out zinc, fit only to be remanufactured, zinc dross, and zinc skimmings.	1-1/2¢ per lb.	3/4¢ per lb.; also subject to quota limitations.	Jan. 1, 1948.

1/ Currently applicable to the products of Communist-dominated countries or areas designated by the President pursuant to sec. 5 of the Trade Agreements Extension Act of 1951.

2/ Pursuant to concessions granted in the General Agreement on Tariffs and Trade (GATT) effective on the dates designated. See tables 2 and 2A for quarterly import quotas imposed upon lead and zinc by Presidential proclamation No. 3257, effective Oct. 1, 1958.

Table 2.--Unmanufactured lead: U.S. commercial imports for consumption, by countries, quarterly averages, 1953-57 and January-September 1958; import quotas established on Oct. 1, 1958, by countries, and the extent to which, and the rapidity with which, the quotas were filled in each calendar quarter, October 1958-September 1961

Item and country	Quantity data in short tons															
	Number of calendar days, after beginning of each calendar quarter, before quotas were filled 2/ and total quantities entered for each category of material															
	1959				1960				1961							
	Quarterly average 1953-57	Quarterly average 1958	Quarterly average 1959	October-December 1958	Quarterly average 1960	Quarterly average 1961	October-December 1960	Quarterly average 1961	Quarterly average 1961	October-December 1961	Quarterly average 1961	October-December 1961	Quarterly average 1961	October-December 1961	Quarterly average 1961	October-December 1961
Lead ores (lead content): 4/																
Peru	10,170	24,651	3,030	62	3,030	3,030	62	3,030	3,030	3,030	3,030	3,030	3,030	3,030	3,030	3,030
Union of South Africa	9,421	9,967	7,440	71	7,440	7,440	71	7,440	7,440	7,440	7,440	7,440	7,440	7,440	7,440	7,440
Canada	8,396	7,466	6,720	90	6,720	6,720	90	6,720	6,720	6,720	6,720	6,720	6,720	6,720	6,720	6,720
Australia	6,285	9,464	5,040	91	5,040	5,040	91	5,040	5,040	5,040	5,040	5,040	5,040	5,040	5,040	5,040
Bolivia	3,153	6,793	2,520	(1,714)	2,520	2,520	(1,714)	2,520	2,520	2,520	2,520	2,520	2,520	2,520	2,520	2,520
All other	4,253	4,555	3,280	(1,283)	3,280	3,280	(1,283)	3,280	3,280	3,280	3,280	3,280	3,280	3,280	3,280	3,280
Total	41,678	62,896	33,030	30,277	33,030	33,030	30,277	33,030	33,030	33,030	33,030	33,030	33,030	33,030	33,030	33,030
Lead metal (lead content): 5/																
Mexico	23,028	30,020	13,440	90	13,440	13,440	90	13,440	13,440	13,440	13,440	13,440	13,440	13,440	13,440	13,440
Australia	14,804	18,823	11,840	91	11,840	11,840	91	11,840	11,840	11,840	11,840	11,840	11,840	11,840	11,840	11,840
Canada	9,933	10,232	7,860	70	7,860	7,860	70	7,860	7,860	7,860	7,860	7,860	7,860	7,860	7,860	7,860
Yugoslavia	9,836	7,075	7,850	(6,000)	7,850	7,850	(6,000)	7,850	7,850	7,850	7,850	7,850	7,850	7,850	7,850	7,850
Peru	8,001	11,071	6,440	83	6,440	6,440	83	6,440	6,440	6,440	6,440	6,440	6,440	6,440	6,440	6,440
All other	3,561	8,227	3,010	10	3,010	3,010	10	3,010	3,010	3,010	3,010	3,010	3,010	3,010	3,010	3,010
Total	69,168	85,518	55,600	53,720	55,600	55,600	53,720	55,600	55,600	55,600	55,600	55,600	55,600	55,600	55,600	55,600
Total, lead ores and lead metal	110,846	148,414	98,630	93,997	98,630	98,630	93,997	98,630	98,630	98,630	98,630	98,630	98,630	98,630	98,630	98,630

1/ Commercial imports are those to which import quotas apply. Data from the U.S. Treasury Department represent actual amounts entered per quarter under quotas since they were established on Oct. 1, 1958. The other data indicate approximate commercial imports as calculated from U.S. Department of Commerce data, and for 1956-57, from supplemental data from the U.S. General Services Administration (GSA). Commercial imports are approximately equal to dutiable imports for 1953-55, 1958, 1959, and 1960. In 1956-57, however, some of the dutiable imports were for U.S. Government account under the barter program; commercial imports for 1956-57, therefore, were computed from total imports by subtracting therefrom duty-free imports for smelting, refining and export, and quantities of lead of foreign origin received by the GSA under the barter program for those years.

2/ If the quota for a calendar quarter was unfilled, tons entered during the quota period are given in parentheses.

3/ Data in parentheses () represent the quantity entered as of September 1, 1961.

4/ Lead-bearing ores, flue dust, and mattes entered under paragraph 391 of the Tariff Act of 1930.

5/ Lead or base bullion, lead pigs and bars, lead scrap and dross, antimonial lead, type metal, and all alloys or combinations of lead, not specially provided for, entered under paragraph 392 of the Tariff Act of 1930.

Source: Data on commercial imports compiled from official statistics of the U.S. Department of Commerce, except as noted; quotas, as given in Presidential Proclamation No. 3257, dated Sept. 22, 1958; and imports subject to quotas from the U.S. Department of the Treasury.

Note.--Presidential Proclamation No. 3257 (dated Sept. 22, 1958) imposed import quotas on lead and zinc for each calendar quarter, beginning on Oct. 1, 1958. The import quotas apply to dutiable imports for immediate consumption and to withdrawals from bonded warehouses (not to entries into bonded warehouses). Articles produced in any country not named in the list of countries shown in the above table, for each of the two categories shown, are subject to the quota for "all other" foreign countries. The proclamation specifically exempts the following from the quota restrictions imposed therein:

- (1) Any article imported by or for the account of the U.S. Government; or any imported article which is under contract for delivery in the United States for the account of a corporation wholly owned by the U.S. Government.
- (2) Any lead metal article described in footnote 5, above, exported to the United States before Sept. 22, 1958.
- (3) Lead-bearing ores, flue dust, and mattes of all kinds, exported to the United States before Sept. 22, 1958. This exemption does not apply to withdrawals for consumption of "metal producible" from bonded smelters under sec. 312, Tariff Act of 1930.
- (4) Any lead-bearing ore, flue dust, or matte (dutiable under par. 391) which contains less than 2 percent of lead.

Table 2A.—Unmanufactured zinc: U.S. commercial imports for consumption, by countries, quarterly averages, 1953-57 and January-September 1958; import quotas established on Oct. 1, 1958, by countries; and the extent to which, and the rapidly with which, the quotas were filled in each calendar quarter, October 1958-September 1961

Item and country	(Quantity data in short tons)													
	Commercial imports		Number of calendar days, after beginning of each calendar quarter, before quotas were filled		Quotas for each category of material		1959		1960		1961		1961	
	Quarterly average 1953-57	Quarterly average 1958	October-December 1958	January-March	April-June	July-September	October-December	January-March	April-June	July-September	October-December	January-March	April-June	July-September
Zinc ores (zinc content): 4/														
Mexico-----	43,954	54,546	92	90	86	79	91	76	74	77	73	90	90	(29,146)
Canada-----	41,513	44,861	90	71	69	43	43	41	35	54	60	(25,274)	(25,621)	(17,938)
Peru-----	22,057	28,937	76	89	84	92	92	90	32	85	76	83	70	(7,879)
All other-----	11,166	12,757	(8,017)	12	1	1	1	4	1	1	1	3	3	3
Total-----	118,695	141,201	94,057	94,960	94,960	94,960	94,960	94,960	94,960	94,960	94,960	94,960	94,960	63,883
Zinc metal (gross weight): 5/														
Canada-----	23,652	16,638	90	89	86	91	34	39	89	92	38	(17,370)	(17,425)	(10,335)
Belgium and Luxembourg-----	4,699	4,207	16	2	2	(3,708)	(196)	(1,987)	(1,820)	(168)	(1,721)	(3,366)	(2,013)	(1,156)
Mexico-----	3,946	4,055	91	63	85	(2,627)	(465)	38	89	(1,186)	(1,045)	(1,740)	(1,595)	(1,755)
Belgian Congo-----	3,378	5,723	70	70	57	30	77	32	(1,461)	(2,718)	(2,715)	(2,715)	(2,715)	(2,232)
Peru-----	2,318	2,218	84	(1,879)	84	(1,879)	(1,879)	83	88	(1,879)	(1,879)	(1,879)	(1,879)	(189)
Italy-----	2,264	916	49	13	1	1	1	89	(953)	(386)	(475)	(552)	(0)	(331)
All other-----	3,849	2,415	44	2	1	1	1	82	(1,915)	60	3	3	3	3
Total-----	44,124	36,072	35,230	35,279	35,230	34,695	29,020	33,527	30,109	23,297	29,829	21,166	22,272	19,078
Total, zinc ores and zinc metal-----	162,819	177,273	129,337	130,239	130,240	129,655	123,980	123,467	125,069	123,257	124,809	113,160	115,243	82,964

1/ Commercial imports are those to which import quotas apply. Data from the U.S. Treasury Department represent actual amounts entered per quarter under quotas since they were established on Oct. 1, 1958. The other data indicate approximate commercial imports as calculated from U.S. Department of Commerce data, and for 1956-57, from supplemental data from the U.S. General Services Administration (GSA).

Commercial imports are approximately equal to dutiable imports for 1953-55, 1958, 1959, and 1960. In 1956-57, however, some of the dutiable imports were for U.S. Government account under the barter program; commercial imports for 1956-57, therefore, were computed from total imports by subtracting therefrom duty-free imports for smelting, refining and export, and quantities of zinc of foreign origin received by the GSA under the barter program for those years.

2/ If the quota for a calendar quarter was unfilled, tons entered during the quota period are given in parentheses.

3/ Data in parentheses () represent the quantity entered as of September 1, 1961.

4/ Zinc-bearing ores entered under paragraph 393 of the Tariff Act of 1930. Does not include zinc fume.

5/ Zinc blocks, pigs, or slabs and zinc scrap, gross, and skimmings entered under paragraph 394 of the Tariff Act of 1930.

Source: Data on commercial imports compiled from official statistics of the U.S. Department of Commerce, except as noted; quotas, as given in Presidential Proclamation No. 3257, dated Sept. 22, 1958; and imports subject to quotas from the U.S. Department of the Treasury.

Note.—Presidential Proclamation No. 3257 (dated Sept. 22, 1958) imposed import quotas on lead and zinc for each calendar quarter, beginning on Oct. 1, 1958. The import quotas apply to dutiable imports for immediate consumption and to withdrawals from bonded warehouses (not to entries into bonded warehouses). Articles produced in any country not named in the list of countries shown in the above table, for each of the two categories shown, are subject to the quota for "all other" foreign countries. The proclamation specifically exempts the following from the quota restrictions imposed therein:

- (1) Any article imported by or for the account of the U.S. Government; or any imported article which is under contract for delivery in the United States for the account of a corporation wholly owned by the U.S. Government.
- (2) Any zinc metal article described in footnote 5, above, exported to the United States before Sept. 22, 1958.
- (3) Zinc-bearing ores of all kinds (except pyrites containing not over 3 percent of zinc) exported to the United States before Sept. 22, 1958. This exemption does not apply to withdrawals for consumption of "metal producible" from bonded smelters under sec. 312, Tariff Act of 1930.

Table 3.--Unmanufactured lead: U.S. production, stocks, imports, exports, consumption, and market prices, average 1937-39, annual 1943 and 1946-60, and by quarters, January 1957-June 1961

(In short tons of lead content, except as otherwise indicated)												
Period	Production			Stocks at end of period		Imports for consumption 5/			Domestic exports 6/	Industrial consumption 7/	Average price per pound 8/	
	Primary (mine output) 1/	Secondary 2/	Total	Producers' 3/	Consumers' 4/	Dutiable	Free	Total				
1937-39 average-----	416,199	247,167	663,366	148,079	9/	12,315	37,160	49,475	46,783	630,567	5.267	
1943-----	453,313	342,094	795,407	129,540	9/	21,861	314,112	335,973	3,611	1,100,000	6.500	
1946-----	335,475	392,787	728,262	188,829	9/	18,541	118,292	136,833	2,157	956,000	8.109	
1947-----	384,221	511,970	896,191	127,954	91,344	180,267	45,538	225,805	4,707	1,172,000	14.673	
1948-----	390,476	500,071	890,547	146,754	119,198	98,944	10/ 232,850	331,794	1,279	1,133,895	18.043	
1949-----	409,908	412,183	822,091	201,526	97,267	116,538	10/ 298,542	415,080	4,396	957,674	15.364	
1950-----	430,827	482,275	913,102	137,669	139,884	514,954	50,332	565,286	5,343	1,237,981	13.296	
1951-----	388,164	518,110	906,274	124,080	102,760	191,649	36,657	228,306	3,473	1,184,793	17.500	
1952-----	390,161	471,294	861,455	149,778	122,530	179,600	10/ 464,617	644,217	3,665	1,130,795	16.467	
1953-----	342,644	486,737	829,381	196,340	113,763	409,004	48,054	457,058	5,118	1,201,604	13.489	
1954-----	325,419	480,925	806,344	201,850	124,641	460,197	22,626	482,823	5,227	1,094,871	14.054	
1955-----	338,025	502,051	840,076	150,822	117,458	424,413	28,961	453,374	4,234	1,212,544	15.138	
1956-----	352,826	506,755	859,581	159,259	123,995	420,005	69,153	489,158	7,975	1,209,717	16.014	
1957-----	338,216	489,229	827,445	207,912	129,310	512,289	62,518	574,807	7,021	1,138,115	14.658	
1958-----	267,377	401,787	669,164	303,316	122,900	561,263	46,632	607,895	3,386	986,387	12.102	
1959-----	255,586	451,387	706,973	230,328	126,496	368,449	44,810	413,259	4,121	1,091,449	12.211	
1960-----	246,669	469,903	716,572	305,841	97,268	357,517	3,214	360,731	5,843	1,021,172	11.948	
1957:												
January-March-----	90,241	127,200	217,441	172,237	119,375	120,043	23,355	143,398	3,348	297,562	16.000	
April-June-----	89,170	123,775	212,945	185,567	99,652	98,770	27,376	126,146	1,563	284,732	15.235	
July-September-----	80,118	113,501	193,619	170,775	103,910	101,902	10,334	112,236	1,270	284,801	14.000	
October-December-----	78,687	124,753	203,440	207,912	129,310	191,574	1,453	193,027	840	271,020	13.397	
1958:												
January-March-----	68,390	100,849	169,239	246,584	113,950	157,898	17,323	175,221	478	232,204	13.000	
April-June-----	73,385	98,036	171,421	276,238	113,470	161,541	27,831	189,372	867	237,314	11.645	
July-September-----	60,304	93,616	153,920	278,535	106,692	125,802	1,474	127,276	936	255,313	10.909	
October-December-----	65,298	109,286	174,584	303,316	122,900	116,022	4	116,026	1,105	261,556	12.881	
1959:												
January-March-----	66,231	108,788	175,019	314,234	123,353	102,987	10,982	113,969	1,018	257,700	11.880	
April-June-----	63,441	111,773	175,214	225,367	153,890	88,948	31,522	120,470	611	283,300	11.695	
July-September-----	62,298	113,088	175,386	212,063	147,308	89,391	2,087	91,478	1,888	273,500	12.429	
October-December-----	63,616	117,738	181,354	230,328	126,132	87,123	219	87,342	604	276,649	12.841	
1960:												
January-March-----	69,889	116,871	186,760	244,377	126,697	88,373	2,425	90,798	490	263,400	12.000	
April-June-----	64,662	122,177	186,839	270,521	120,130	91,071	352	91,423	1,650	263,700	12.000	
July-September-----	54,538	113,443	167,981	289,562	118,124	87,042	-	87,042	1,840	254,600	12.000	
October-December-----	57,580	117,412	174,992	305,841	97,268	91,031	437	91,468	1,863	241,472	11.794	
1961:												
January-March-----	68,530	95,849	164,379	314,466	94,766	85,863	49	85,912	1,223	246,700	11.000	
April-June-----	67,395	99,970	167,365	307,485	106,372	91,506	3,870	95,376	3,046	252,400	11.000	

1/ Recoverable lead content from ores and concentrates produced, and from old tailings, mine dumps, and smelter slag dumps reclaimed.

2/ Lead recovered in all forms from all types of scrap. Quarterly data for 1957 through 1960 were estimated by distributing the final totals for each of those years in accordance with the distribution indicated by preliminary monthly data; quarterly data for 1960 are estimated from preliminary monthly data.

3/ Lead in ore and matte and in process at smelters; lead in base bullion at smelters and refineries, in transit to refineries and in process at refineries; refined pig lead; and antimonial lead.

4/ Lead in refined soft lead, antimonial lead, unmelted white scrap, percentage metals, copper-base scrap, drosses, residues, and so forth. Data for years prior to 1951 not strictly comparable with data for subsequent years because of an increase in the number of consumers canvassed by the U.S. Bureau of Mines beginning in January 1951. Beginning with January 1956, data also include secondary smelter metal stocks.

5/ Lead content of lead-bearing ores and concentrates, flue dust, and mattes; lead bullion or base bullion; lead pigs and bars; type metal and antimonial lead; and reclaimed lead, lead scrap, and lead dross. Data for 1959, 1960, and 1961 are preliminary.

6/ Lead content of lead ores, concentrates, mattes, and base bullion; and the gross weight of lead pigs, bars, anodes, lead scrap, and type metal and antimonial lead prior to 1958. Beginning in 1958, exports of type metal and antimonial lead are not separately available and are not included. Data for 1959, 1960, and 1961 are preliminary.

7/ As reported to the U.S. Bureau of Mines; represents all unmanufactured lead from primary and secondary sources consumed (put into process by industrial consumers) including lead in lead-containing alloys, lead in ores consumed directly in the manufacture of lead pigments and salts, and lead that went directly (without remelting) from scrap to fabricated products. These data do not include withdrawals for the Government stockpiles. Data for 1960 and 1961 are preliminary.

8/ Average price of common lead at New York.

9/ Not available.

10/ Duty on all imports was suspended from June 20, 1948, to June 30, 1949, inclusive (Public Law 725, 80th Cong.) and also from Feb. 12, 1952, to June 25, 1952, inclusive (Public Law 257, 82d Cong.).

Source: Production, consumers' stocks, and consumption, from official statistics of the U.S. Bureau of Mines, except as noted; producers' stocks from the American Bureau of Metal Statistics; imports and exports, compiled from official statistics of the U.S. Department of Commerce; prices, from ENR Metal and Mineral Markets.

Table 4.--Unmanufactured zinc: U.S. production, stocks of slab zinc, imports, exports, consumption, and market prices, average 1937-39, annual 1943 and 1946-60, and by quarters, January 1957-June 1961

(In short tons of zinc content, except as otherwise indicated)											
Period	Production			Stocks of slab zinc at end of period		Imports for consumption 2/			Domestic exports 6/	Industrial consumption 7/	Average price per pound 8/
	Primary (mine output) 1/	Secondary 2/	Total	Producers' 3/	Consumers' 4/	Dutiable	Free	Total			
											Cents
1937-39 average---	575,624	150,599	726,223	108,941	2/	39,433	3,400	42,833	3,751	794,335	5.413
1943-----	744,196	368,488	1,112,684	170,606	90,356	9,888	598,663	608,551	97,441	1,243,409	8.250
1946-----	574,833	300,682	875,515	175,800	92,257	226,177	95,399	321,576	47,312	1,180,121	8.726
1947-----	637,608	310,793	948,401	68,011	80,049	244,836	144,704	389,540	108,074	1,173,733	10.500
1948-----	629,977	324,639	954,616	20,848	95,884	219,603	70,013	289,616	69,084	1,202,360	13.589
1949-----	593,203	237,813	831,016	94,221	81,801	213,702	82,300	296,002	63,203	974,515	12.144
1950-----	623,375	326,030	949,405	8,884	64,206	394,153	13,143	407,296	20,268	1,350,501	13.866
1951-----	681,189	314,377	995,566	21,901	50,071	285,618	48,431	334,049	44,212	1,326,082	18.000
1952-----	666,001	310,423	976,424	87,160	92,579	99,074	599,435	698,509	62,056	1,211,648	16.215
1953-----	547,430	294,678	842,108	180,843	84,863	653,832	44,064	697,896	21,811	1,342,389	10.855
1954-----	473,471	271,774	745,245	124,277	100,981	630,488	35,507	665,995	41,684	1,180,692	10.681
1955-----	514,671	304,775	819,446	40,979	123,544	569,639	33,443	603,082	39,506	1,469,080	12.299
1956-----	542,340	281,355	823,695	68,622	104,094	627,071	102,256	729,327	22,361	1,323,022	13.494
1957-----	531,735	264,104	795,839	166,660	88,188	881,953	69,394	951,347	16,262	1,231,593	11.399
1958-----	412,005	230,332	642,337	190,237	89,261	687,189	40,891	728,080	7,378	1,142,165	10.309
1959-----	425,303	276,254	701,557	154,419	99,577	558,993	43,868	602,861	22,962	1,278,518	11.448
1960-----	435,427	265,820	701,247	190,810	66,111	514,406	65,909	580,315	87,326	1,165,825	12.946
1957:											
Jan.-Mar-----	147,790	70,820	218,610	89,357	89,626	184,694	26,723	211,417	3,594	331,926	13.500
Apr.-June-----	146,312	69,694	216,006	133,455	70,632	200,007	35,801	235,808	4,467	307,762	12.094
July-Sept-----	121,949	57,890	179,839	153,766	71,919	226,357	6,551	232,908	6,350	287,961	10.002
Oct.-Dec-----	115,684	65,700	181,384	166,660	88,188	270,895	319	271,214	1,851	306,814	10.000
1958:											
Jan.-Mar-----	110,315	53,953	164,268	203,641	75,955	182,763	6,580	189,343	1,472	259,010	10.000
Apr.-June-----	110,130	54,724	164,854	252,979	63,398	170,650	4,186	174,836	1,888	256,658	10.000
July-Sept-----	89,747	55,836	145,583	238,116	62,278	178,406	29,638	208,044	1,919	275,762	10.000
Oct.-Dec-----	101,813	65,819	167,632	190,237	89,261	155,370	487	155,857	2,099	320,003	11.235
1959:											
Jan.-Mar-----	109,699	70,244	179,943	206,083	79,161	143,286	4,373	147,659	2,502	325,110	11.306
Apr.-June-----	114,372	193,875	169,386	187,386	86,173	150,631	12,431	163,062	1,785	366,523	11.000
July-Sept-----	94,061	61,258	155,319	193,036	92,629	138,598	8,243	146,841	8,783	264,925	11.111
Oct.-Dec-----	107,171	65,249	172,420	154,419	99,577	126,478	18,821	145,299	9,892	311,642	12.376
1960:											
Jan.-Mar-----	118,301	72,984	191,285	136,566	100,404	138,980	13,504	152,484	15,326	348,002	12.959
Apr.-June-----	121,844	63,798	185,642	187,686	74,471	125,832	17,597	143,429	18,775	289,692	13.000
July-Sept-----	102,439	63,593	166,032	192,466	67,463	122,154	17,942	140,096	23,506	260,273	13.000
Oct.-Dec-----	92,843	65,445	158,288	190,810	66,111	127,440	16,866	144,306	29,719	267,858	12.819
1961:											
Jan.-Mar-----	122,358	63,718	186,076	222,889	59,111	115,059	9,250	124,309	24,817	262,729	11.510
Apr.-June-----	117,024	68,966	185,990	207,820	59,244	118,349	11,973	130,322	10,332	308,452	11.500

1/ Recoverable zinc content of ores and concentrates produced, and of old tailings, mine dumps, and smelter slag dumps reclaimed.

2/ Zinc recovered in all forms from all types of scrap. Final totals for 1957-60 were distributed by quarters on the basis of preliminary monthly data for the aggregate quantity of secondary slab zinc produced and recoverable zinc content of zinc-base, copper-base, aluminum-base, and magnesium-base scrap consumed. Quarterly data for 1961 were estimated as equivalent to 96.9 percent of the quarterly aggregates of such preliminary monthly data; this is the ratio of the final to the preliminary total for 1959.

3/ As reported by the American Zinc Institute. Represents gross weight of zinc blocks, pigs, and slabs at primary and secondary smelters and refineries.

4/ Total stocks of slab zinc. Data for years prior to June 1951 not strictly comparable with data for subsequent years because of an increase in the number of consumers canvassed by the U.S. Bureau of Mines beginning with June 1951.

5/ Zinc content of zinc-bearing ores and concentrates and the gross weight of zinc blocks, pigs, slabs, scrap, dross, and skimmings. Imports of zinc from are not included. Data for 1959, 1960, and 1961 are preliminary.

6/ Zinc content of zinc ores, concentrates, scrap, dross, and skimmings, and the gross weight of zinc blocks, pigs, and slabs. Data for 1958, 1959, 1960, and 1961 are preliminary.

7/ Slab zinc consumed, the zinc content of ores consumed directly in the manufacture of zinc pigments and chemicals, and the recoverable zinc in all forms of old and new zinc-bearing scrap (minus the zinc content of redistilled and remelt zinc to eliminate duplication) as reported to the U.S. Bureau of Mines. These data do not include withdrawals for Government stockpiles. Data for 1960 and 1961, preliminary.

8/ Average price of Prime Western Zinc at East St. Louis as published by E & MJ Metal and Mineral Markets.

9/ Not available.

10/ Duty on all imports was suspended from Feb. 12 to July 23, 1952, inclusive (Public Law 258, 82d Cong.).

Source: Production, consumers' stocks, and consumption, from official statistics of the U.S. Bureau of Mines, except as noted; producers' stocks, from the American Zinc Institute; imports and exports, compiled from official statistics of the U.S. Department of Commerce; prices, from E & MJ Metal and Mineral Markets.

Table 5.--Lead: Mine output, smelter output of primary metal, and consumption of primary metal in the United States, outside the United States, and in the world, average 1937-38, annual 1946-60

Period	Mine output			Primary smelter output			Consumption of primary metal			Ratio of United States to world--		
	United States 1/			United States 3/			United States 5/			World 6/		
	1,000 short tons	Outside United States	1,000 short tons	1,000 short tons	Outside United States	1,000 short tons	1,000 short tons	Outside United States	1,000 short tons	1,000 short tons	Mine output	Smelter output
1937-38 average-----	418	1,484	1,902	416	1,440	1,856	476	1,370	1,846	22.0	22.4	25.8
1946-----	335	933	1,268	338	842	1,180	542	810	1,352	26.4	28.6	40.1
1947-----	384	1,114	1,498	441	1,047	1,488	744	861	1,605	25.6	29.6	46.4
1948-----	390	1,181	1,571	400	1,138	1,538	745	833	1,578	26.0	26.0	47.2
1949-----	410	1,299	1,709	476	1,209	1,685	579	899	1,478	24.0	28.2	39.2
1950-----	431	1,419	1,850	505	1,346	1,851	885	1,037	1,922	23.3	27.3	46.0
1951-----	388	1,502	1,890	415	1,395	1,810	678	1,131	1,809	20.5	22.9	37.5
1952-----	390	1,640	2,030	472	1,518	1,990	782	994	1,776	19.2	23.7	44.0
1953-----	343	1,757	2,100	468	1,592	2,060	784	1,182	1,966	16.3	22.7	39.9
1954-----	325	1,945	2,270	487	1,723	2,210	764	1,423	2,187	14.3	22.0	34.9
1955-----	338	2,092	2,430	479	1,771	2,250	810	1,512	2,322	13.9	21.3	34.9
1956-----	353	2,137	2,490	542	1,858	2,400	743	1,535	2,278	14.2	22.6	32.6
1957-----	338	2,272	2,610	533	1,982	2,515	702	1,642	2,344	13.0	21.2	29.9
1958-----	267	2,293	2,560	469	2,021	2,490	707	1,663	2,370	10.4	18.8	29.8
1959-----	256	2,274	2,530	341	2,069	2,410	672	1,783	2,455	10.1	14.1	27.4
1960-----	247	2,313	2,560	382	2,148	2,530	582	1,922	2,504	9.6	15.1	23.2

1/ Recoverable content of ores and concentrates produced.

2/ Partly estimated; data represent principally lead content of ores and concentrates produced.

3/ Refined lead from domestic and foreign ores; refined lead produced from foreign base bullion not included.

4/ Partly estimated; includes some production from scrap.

5/ Not including tonnages which went to the Government permanent stockpile. The figures represent mostly primary lead, although a small amount of secondary lead may be included.

6/ Partly estimated; includes some consumption of secondary lead.

Source: Mine and smelter output, U.S. Bureau of Mines; consumption, American Bureau of Metal Statistics, except as noted.

Table 6.--Zinc: Mine output, smelter output of primary metal, and consumption of primary metal in the United States, outside the United States, and in the world, average 1937-38, annual 1946-60

Period	Mine output				Primary smelter output				Consumption of primary metal				Ratio of United States to world--			
	United States 1/		Outside 2/		United States 3/		Outside 4/		United States 5/		Outside 6/		Mine output		Smelter output	
	1,000 short tons	1,000 short tons	1,000 short tons	1,000 short tons	1,000 short tons	1,000 short tons	1,000 short tons	1,000 short tons	1,000 short tons	1,000 short tons	1,000 short tons	1,000 short tons	Percent	Percent	Percent	Percent
1937-38 average	572	1,364	1,936	502	1,256	1,758	514	1,216	1,730	29.5	28.6	29.7				
1946	575	1,170	1,745	728	806	1,534	801	896	1,697	33.0	47.5	47.2				
1947	638	1,312	1,950	802	961	1,763	736	1,055	1,811	32.7	45.5	42.7				
1948	630	1,418	2,048	788	1,093	1,881	818	1,078	1,896	30.8	41.9	43.1				
1949	593	1,512	2,105	815	1,197	2,012	712	1,123	1,835	28.2	40.5	38.8				
1950	623	1,747	2,370	844	1,326	2,170	967	1,222	2,189	26.3	38.8	44.2				
1951	681	1,919	2,600	882	1,478	2,360	934	1,338	2,272	26.2	37.5	41.1				
1952	666	1,884	2,550	904	1,556	2,460	853	1,311	2,164	26.1	36.7	39.4				
1953	547	2,153	2,700	916	1,684	2,600	986	1,396	2,382	20.3	35.2	41.4				
1954	474	2,226	2,700	802	1,898	2,700	884	1,709	2,593	17.6	29.7	34.1				
1955	515	2,685	3,200	964	1,966	2,930	1,120	1,831	2,951	16.1	32.9	38.0				
1956	542	2,878	3,430	984	2,116	3,100	1,009	1,854	2,863	15.8	31.7	35.2				
1957	532	2,908	3,440	986	2,204	3,190	936	1,992	2,928	15.5	30.9	32.0				
1958	412	2,908	3,320	781	2,209	2,990	868	2,071	2,939	12.4	26.1	29.5				
1959	425	2,935	3,360	799	2,291	3,090	934	2,258	3,214	12.6	25.9	29.1				
1960 7/	435	3,075	3,510	804	2,416	3,220	861	2,454	3,315	12.4	25.0	26.0				

1/ Recoverable content of ores and concentrates produced.

2/ Partly estimated; data represent principally zinc content of ores and concentrates produced.

3/ Primary slab zinc from both domestic and foreign ores.

4/ Partly estimated; includes some production from scrap.

5/ Represents consumption of slab zinc, beginning in 1946, as reported by the U.S. Bureau of Mines.

6/ Partly estimated; includes some consumption of secondary slab zinc.

7/ U.S. mine output, preliminary.

Source: Mine and smelter output, U.S. Bureau of Mines; consumption, American Bureau of Metal Statistics, except as noted.

Table 7.--Lead and zinc mining and milling: Average number of all employees and of production and related workers and average hourly earnings of production and related workers, January 1956-June 1961

Year or period	Average number of all employees as reported to--		Average number of production and related workers as reported to--		Average hourly earnings of production and related workers as reported to--		
	U.S. Tariff Commission 1/	Bureau of Labor Statistics	U.S. Tariff Commission 2/	Bureau of Labor Statistics	U.S. Tariff Commission Actually worked	Total 3/	Bureau of Labor Statistics 3/
1956:							
January-March-----	16,394	16,800	13,917	14,400	\$2.13	4/	\$2.10
April-June-----	16,911	17,400	14,321	14,900	2.23	4/	2.13
July-September-----	16,905	17,400	14,254	14,800	2.30	4/	2.16
October-December-----	17,172	17,900	14,513	15,300	2.27	4/	2.15
1956, average-----	16,845	17,400	14,251	14,900	2.23	4/	2.14
1957:							
January-March-----	17,222	18,300	14,494	15,600	2.24	4/	2.16
April-June-----	16,315	17,700	13,620	15,000	2.31	4/	2.18
July-September-----	14,085	16,000	11,511	13,400	2.39	4/	2.18
October-December-----	4/	14,900	4/	12,400	4/	4/	2.17
1957, average-----	4/	16,700	4/	14,100	4/	4/	2.17
1958:							
January-March-----	11,885	14,400	9,794	11,900	2.31	\$2.19	2.15
April-June-----	11,068	13,600	9,080	11,100	2.38	2.15	2.14
July-September-----	9,349	11,700	7,530	9,400	2.46	2.17	2.18
October-December-----	9,699	12,000	7,862	9,500	2.36	2.23	2.21
1958, average-----	10,500	12,900	8,566	10,500	2.37	2.19	2.17
1959:							
January-March-----	9,947	12,600	8,164	10,200	2.35	2.26	2.22
April-June-----	9,856	12,400	8,062	10,000	2.44	2.25	2.25
July-September-----	9,504	12,400	7,723	10,000	2.54	2.23	2.28
October-December-----	4/	11,800	4/	9,700	4/	4/	2.28
1959, average-----	4/	12,300	4/	10,000	4/	4/	2.26
1960:							
January-March-----	4/	12,300	4/	10,100	4/	4/	2.29
April-June-----	4/	11,900	4/	9,600	4/	4/	2.29
July-September-----	4/	10,700	4/	8,400	4/	4/	2.29
October-December-----	4/	10,100	4/	7,900	4/	4/	2.29
1960, average-----	4/	11,200	4/	9,000	4/	4/	2.29
1961:							
January-March-----	4/	10,400	4/	8,300	4/	4/	2.27
April-June-----	4/	10,000	4/	8,100	4/	4/	2.27

1/ Adjusted to include estimated employment for those concerns that did not report employment data.

2/ Not adjusted to include estimated employment for those concerns that did not report employment data. For the period January 1956-September 1957, employment data were reported for operations that accounted for 99.1 percent of the lead and for 99.3 percent of the zinc produced in the lead-zinc mining industry in 1956; and for January 1958-59, employment data were reported for operations that accounted for 96.7 percent of the lead and for 98.3 percent of the zinc produced in the lead-zinc mining industry in 1958.

3/ Includes wages paid for holidays, sick leave and vacations taken.

4/ Not available.

Note.--Differences between data for all employees as compiled by the Tariff Commission and by the Bureau of Labor Statistics is due, at least in part, to (1) the inclusion in the data of the Bureau of Labor Statistics of those employees at offices not located at the site of lead and zinc mining and/or milling operations and to (2) methods used in determining whether a given mining operation should be classified in the lead-zinc mining industry or in a mining industry other than the lead and zinc industry.

Table 8.--Common lead: Average market prices at New York, average 1937-39, annual averages 1948-50, and average daily prices in the United States since Jan. 1, 1951

(In cents per pound)					
Year, or date of change	New price	Date of change	New price	Date of change	New price
1937-39 average-----	5.267	1953--Continued:		1958:	
1948 average-----	18.043	June 11-----	13.500	Apr. 1-----	12.000
1949 average-----	15.364	June 20-----	13.750	May 14-----	11.500
1950 average-----	13.296	July 23-----	14.000	June 3-----	11.000
1951:		Sept. 16-----	13.500	June 18-----	11.110
Jan. 1-----	17.000	1954:		June 19-----	11.500
Oct. 2-----	19.000	Jan. 18-----	13.000	July 1-----	11.000
1952:		Feb. 18-----	12.500	Aug. 14-----	10.750
Apr. 29-----	18.000	Mar. 9-----	12.750	Sept. 18-----	11.000
May 2-----	17.000	Mar. 10-----	13.000	Sept. 30-----	11.312
May 12-----	15.000	Mar. 26-----	13.250	Oct. 1-----	11.500
June 23-----	15.425	Mar. 29-----	13.500	Oct. 2-----	11.914
June 24-----	16.000	Apr. 1-----	13.512	Oct. 3-----	12.000
Oct. 7-----	15.000	Apr. 2-----	13.750	Oct. 8-----	12.268
Oct. 14-----	14.000	Apr. 12-----	14.000	Oct. 9-----	12.500
Oct. 22-----	13.500	June 2-----	14.250	Oct. 15-----	13.000
Nov. 3-----	13.625	June 15-----	14.000	1959:	
Nov. 5-----	14.000	Aug. 25-----	14.250	Jan. 22-----	12.000
Nov. 10-----	14.125	Sept. 7-----	14.500	Feb. 11-----	11.500
Nov. 20-----	14.250	Sept. 15-----	14.700	Feb. 20-----	11.073
Nov. 24-----	14.000	Sept. 16-----	14.750	Feb. 24-----	11.000
Dec. 22-----	14.250	Oct. 4-----	14.775	Mar. 5-----	11.059
Dec. 29-----	14.500	Oct. 5-----	14.850	Mar. 6-----	11.500
Dec. 30-----	14.750	Oct. 6-----	15.000	Apr. 1-----	11.000
1953:		1955:		Apr. 20-----	11.155
Jan. 7-----	14.500	Sept. 26-----	15.500	Apr. 21-----	11.500
Jan. 12-----	14.000	Dec. 29-----	16.000	May 7-----	11.830
Feb. 2-----	13.500	1956:		May 8-----	12.000
Mar. 4-----	13.000	Jan. 4-----	16.270	Aug. 24-----	13.000
Mar. 10-----	13.500	Jan. 5-----	16.500	Dec. 14-----	12.500
Apr. 7-----	13.250	Jan. 13-----	16.000	Dec. 21-----	12.000
Apr. 8-----	13.000	1957:		1960:	
Apr. 15-----	12.500	May 9-----	15.500	Dec. 13-----	11.000
Apr. 20-----	12.000	May 16-----	15.000		
Apr. 29-----	12.500	June 11-----	14.000		
May 18-----	12.750	Oct. 14-----	13.500		
May 19-----	13.000	Dec. 2-----	13.000		
May 26-----	13.250				

Source: E & MJ Metal and Mineral Markets.

Note.--The daily quotations are based on sales on a flat-price basis of domestically refined lead sold to domestic consumers. The daily averages are weighted by the quantity of such sales. The price quotations reflect sales of all grades of lead sold converted to the basis of Common lead at New York. At the end of 1960, Corroding grade commanded a premium of 0.1 cent per pound over the Common grade.

Price ceilings on sales of lead in the United States were imposed on Jan. 26, 1951; the price ceilings were increased by 2 cents a pound on Oct. 2, 1951, and, in order to prevent domestic buyers from buying lead at higher prices in foreign countries (previously permitted), the Office of Price Stabilization prohibited any person in the United States from receiving foreign lead at a delivered cost in excess of the ceiling price. All price ceilings on lead in the United States were removed by the Office of Price Stabilization on Feb. 12, 1953.

Table 9.--Prime Western zinc: Average market prices at East St. Louis, average 1937-39, annual averages 1948-50, and average daily prices in the United States since Jan. 1, 1951

(In cents per pound)						
Year, or date of change	New price	Date of change	New price	Date of change	New price	
1937-39 average-----	5.413	1953:		1956:		
1948 average-----	13.589	Jan. 2-----	12.800	Jan. 6-----	13.264	
1949 average-----	12.144	Jan. 3-----	13.000	Jan. 7-----	13.500	
1950 average-----	13.866	Jan. 14-----	12.500	1957:		
1951:		Jan. 27-----	12.000	May 6-----	12.000	
Jan. 1-----	17.500	Feb. 3-----	11.500	May 13-----	11.500	
Oct. 2-----	19.500	Feb. 25-----	11.375	June 4-----	11.000	
1952:		Feb. 26-----	11.250	June 20-----	10.500	
June 2-----	17.500	Mar. 5-----	11.000	July 1-----	10.079	
June 5-----	16.000	Aug. 1-----	10.730	July 2-----	10.049	
June 18-----	15.000	Aug. 3-----	11.000	July 3-----	10.000	
Aug. 6-----	13.500	Aug. 5-----	10.890	1958:		
Aug. 11-----	13.640	Aug. 6-----	10.900	Oct. 2-----	10.021	
Aug. 12-----	13.960	Aug. 7-----	11.000	Oct. 3-----	10.500	
Aug. 13-----	13.980	Sept. 2-----	10.500	Oct. 8-----	10.777	
Aug. 14-----	14.000	Sept. 11-----	10.000	Oct. 9-----	11.000	
Sept. 12-----	14.300	1954:		Nov. 7-----	11.052	
Sept. 13-----	14.500	Jan. 18-----	9.500	Nov. 10-----	11.187	
Sept. 18-----	14.000	Feb. 15-----	9.250	Nov. 12-----	11.500	
Sept. 22-----	13.525	Mar. 11-----	9.750	1959:		
Sept. 23-----	13.625	Mar. 29-----	10.200	Feb. 25-----	11.000	
Sept. 24-----	13.500	Mar. 30-----	10.250	Sept. 21-----	11.005	
Sept. 25-----	13.825	May 26-----	10.400	Sept. 22-----	12.000	
Sept. 26-----	13.750	May 27-----	10.500	Oct. 22-----	12.002	
Sept. 27-----	13.500	June 3-----	10.950	Oct. 23-----	12.039	
Sept. 29-----	13.725	June 4-----	11.000	Oct. 26-----	12.500	
Sept. 30-----	13.825	Sept. 3-----	11.040	Oct. 29-----	12.612	
Oct. 1-----	13.525	Sept. 4-----	11.015	Oct. 30-----	12.563	
Oct. 3-----	13.700	Sept. 7-----	11.155	Nov. 2-----	12.500	
Oct. 4-----	14.000	Sept. 8-----	11.500	1960:		
Oct. 6-----	13.625	1955:		Jan. 8-----	12.532	
Oct. 7-----	13.600	Apr. 5-----	11.550	Jan. 11-----	13.000	
Oct. 8-----	13.500	Apr. 6-----	12.000	Dec. 13-----	12.500	
Oct. 10-----	13.625	June 16-----	12.025	Dec. 19-----	12.000	
Oct. 11-----	13.500	June 17-----	12.500	1961:		
Oct. 23-----	13.125	Sept. 6-----	12.700	Jan. 10-----	11.500	
Oct. 24-----	13.000	Sept. 7-----	13.000			
Oct. 27-----	12.500					

Source: E & M J Metal and Mineral Markets.

Note.--The daily quotations are prices at which slab zinc was sold on a flat-price basis by primary producers in the United States, weighted by quantities sold. The price quotations reflect sales of all grades of zinc sold converted to a Prime Western f.o.b. East St. Louis basis. At the end of 1960, other grades of zinc commanded the following premiums over the Prime Western grade, in cents per pound: Selected, 0.10 cent; Brass Special, 0.25 cent; Intermediate, 0.5 cent; High grade (sold on contract delivered to consumers' plants), 1.35 cents; Special High grade (sold on contract delivered to consumers' plants), 1.5 cents.

Price ceilings on sales of zinc in the United States were imposed on Jan. 26, 1951; the price ceilings were increased by 2 cents a pound on Oct. 2, 1951, and, in order to prevent domestic buyers from buying zinc at higher prices in foreign countries (previously permitted), the Office of Price Stabilization prohibited any person in the United States from receiving foreign zinc at a delivered cost in excess of the ceiling price. All price ceilings on zinc in the United States were removed by the Office of Price Stabilization on Feb. 12, 1953.

Table 10.--Lead metal: Average monthly market prices at New York and at London, April 1953-August 1961

(In cents per pound)							
Year and month	New York price of Common lead	London Metal Exchange price 1/	Difference	Year and month	New York price of Common lead	London Metal Exchange price 1/	Difference
1953:				1958:			
April-----	12.683	10.277	2.406	January-----	13.000	9.021	3.979
May-----	12.750	10.272	2.478	February-----	13.000	9.272	3.728
June-----	13.413	11.085	2.328	March-----	13.000	9.349	3.651
July-----	13.683	11.643	2.040	April-----	12.000	9.109	2.891
August-----	14.000	11.920	2.080	May-----	11.712	9.017	2.695
September-----	13.740	11.670	2.070	June-----	11.224	9.160	2.064
October-----	13.500	11.567	1.933	July-----	11.000	8.936	2.064
November-----	13.500	11.777	1.723	August-----	10.856	8.798	2.058
December-----	13.500	11.299	2.201	September-----	10.872	8.815	2.057
1954:				October-----	12.642	9.256	3.386
January-----	13.260	10.808	2.452	November-----	13.000	9.448	3.552
February-----	12.818	10.344	2.474	December-----	13.000	9.025	3.975
March-----	12.935	10.794	2.141	1959:			
April-----	13.904	11.693	2.211	January-----	12.667	8.981	3.686
May-----	14.000	11.800	2.200	February-----	11.560	8.746	2.814
June-----	14.106	12.182	1.924	March-----	11.412	8.689	2.723
July-----	14.000	11.962	2.038	April-----	11.189	8.631	2.558
August-----	14.058	12.114	1.944	May-----	11.897	8.850	3.047
September-----	14.598	12.668	1.930	June-----	12.000	8.708	3.292
October-----	14.965	13.586	1.379	July-----	12.000	8.781	3.219
November-----	15.000	13.512	1.488	August-----	12.286	9.180	3.106
December-----	15.000	13.027	1.973	September-----	13.000	8.840	4.160
1955:				October-----	13.000	8.827	4.173
January-----	15.000	13.008	1.992	November-----	13.000	9.018	3.982
February-----	15.000	12.959	2.041	December-----	12.523	9.087	3.436
March-----	15.000	13.001	1.999	1960:			
April-----	15.000	13.058	1.942	January-----	12.000	9.348	2.652
May-----	15.000	12.897	2.103	February-----	12.000	9.233	2.767
June-----	15.000	12.852	2.148	March-----	12.000	9.533	2.467
July-----	15.000	13.242	1.758	April-----	12.000	9.690	2.310
August-----	15.000	13.312	1.688	May-----	12.000	9.676	2.324
September-----	15.100	13.446	1.654	June-----	12.000	9.172	2.828
October-----	15.500	13.360	2.140	July-----	12.000	8.905	3.095
November-----	15.500	13.521	1.979	August-----	12.000	8.869	3.131
December-----	15.558	14.168	1.390	September-----	12.000	8.743	3.257
1956:				October-----	12.000	8.406	3.594
January-----	16.151	14.821	1.330	November-----	12.000	8.522	3.478
February-----	16.000	14.922	1.078	December-----	11.381	8.122	3.259
March-----	16.000	15.141	.859	1961:			
April-----	16.000	14.464	1.536	January-----	11.000	7.975	3.025
May-----	16.000	13.943	2.057	February-----	11.000	8.167	2.833
June-----	16.000	14.153	1.847	March-----	11.000	8.242	2.758
July-----	16.000	14.207	1.793	April-----	11.000	8.384	2.616
August-----	16.000	14.508	1.492	May-----	11.000	8.330	2.670
September-----	16.000	14.647	1.353	June-----	11.000	8.087	2.913
October-----	16.000	14.432	1.568	July-----	11.000	8.107	2.893
November-----	16.000	14.796	1.204	August-----	11.000	8.086	2.914
December-----	16.000	14.460	1.540				
1957:							
January-----	16.000	14.532	1.468				
February-----	16.000	14.144	1.856				
March-----	16.000	14.138	1.862				
April-----	16.000	13.984	2.016				
May-----	15.385	12.433	2.952				
June-----	14.320	11.461	2.859				
July-----	14.000	11.327	2.673				
August-----	14.000	11.466	2.534				
September-----	14.000	11.230	2.770				
October-----	13.692	10.738	2.954				
November-----	13.500	10.396	3.104				
December-----	13.000	9.152	3.848				

1/ Average of daily mean of bid and ask quotations for prompt lead at the morning session of the London Metal Exchange. Quotations in pounds sterling per long ton were converted to U.S. cents per pound, at the rate of 1 pound sterling equal to \$2.80.

Source: E & MJ Metal and Mineral Markets.

Note.--At mid-1961 the cost of transportation and insurance from London to New York City plus the U.S. import duty of 1-1/16 cents per pound amounted to about 2.1 cents per pound.

Table 11.--Slab zinc: Average monthly market prices in the United States and at London, April 1953-August 1961

(In cents per pound)									
Year and month	Prime Western grade		London	Difference	Year and month	Prime Western grade		London	Difference
	F.o.b.	Delivered	Metal	New York		F.o.b.	Delivered	Metal	New York
	East	New York	Exchange	minus		East	New York	Exchange	minus
	St. Louis	City 1/	price 2/	London price		St. Louis	City 1/	price 2/	London price
1953:					1958:				
April-----	11.000	-	8.915	-	January-----	10.000	10.500	7.821	2.679
May-----	11.000	-	8.628	-	February-----	10.000	10.500	7.982	2.518
June-----	11.000	-	8.856	-	March-----	10.000	10.500	7.936	2.564
July-----	11.000	-	9.165	-	April-----	10.000	10.500	7.797	2.703
August-----	10.982	11.252	9.112	2.140	May-----	10.000	10.500	7.732	2.768
September-----	10.180	10.670	8.776	1.894	June-----	10.000	10.500	8.022	2.478
October-----	10.000	10.500	9.222	1.278	July-----	10.000	10.500	7.950	2.550
November-----	10.000	10.500	9.419	1.081	August-----	10.000	10.500	7.979	2.521
December-----	10.000	10.500	9.288	1.212	September-----	10.000	10.500	8.129	2.371
1954:					October-----	10.838	11.338	8.808	2.530
January-----	9.760	10.260	9.128	1.132	November-----	11.367	11.867	9.409	2.458
February-----	9.375	9.875	9.028	.847	December-----	11.500	12.000	9.293	2.707
March-----	9.637	10.137	9.282	.855	1959:				
April-----	10.250	10.750	9.956	.794	January-----	11.500	12.000	9.360	2.640
May-----	10.286	10.786	9.941	.845	February-----	11.417	11.917	9.210	2.707
June-----	10.960	11.460	9.990	1.470	March-----	11.000	11.500	9.390	2.110
July-----	11.000	11.500	9.695	1.805	April-----	11.000	11.500	9.086	2.414
August-----	11.000	11.500	9.415	2.085	May-----	11.000	11.500	9.669	1.831
September-----	11.408	11.908	10.077	1.831	June-----	11.000	11.500	9.801	1.699
October-----	11.500	12.000	10.316	1.684	July-----	11.000	11.500	10.066	1.434
November-----	11.500	12.000	10.152	1.848	August-----	11.000	11.500	10.662	.838
December-----	11.500	12.000	10.340	1.660	September-----	11.334	11.834	10.759	1.075
1955:					October-----	12.129	12.629	11.421	1.208
January-----	11.500	12.000	10.730	1.270	November-----	12.500	13.000	11.867	1.133
February-----	11.500	12.000	11.182	.818	December-----	12.500	13.000	11.899	1.101
March-----	11.500	12.000	11.031	.969	1960:				
April-----	11.925	12.425	11.133	1.292	January-----	12.877	13.377	11.822	1.555
May-----	12.000	12.500	11.211	1.289	February-----	13.000	13.500	11.107	2.393
June-----	12.232	12.732	11.425	1.307	March-----	13.000	13.500	11.270	2.230
July-----	12.500	13.000	11.403	1.597	April-----	13.000	13.500	11.554	1.946
August-----	12.500	13.000	11.214	1.786	May-----	13.000	13.500	11.512	1.988
September-----	12.928	13.428	11.486	1.942	June-----	13.000	13.500	11.324	2.176
October-----	13.000	13.500	11.362	2.138	July-----	13.000	13.500	11.279	2.221
November-----	13.000	13.500	11.554	1.946	August-----	13.000	13.500	10.929	2.571
December-----	13.000	13.500	12.305	1.195	September-----	13.000	13.500	10.892	2.608
1956:					October-----	13.000	13.500	10.989	2.511
January-----	13.431	13.931	12.604	1.327	November-----	13.000	13.500	10.954	2.546
February-----	13.500	14.000	12.551	1.449	December-----	12.476	12.976	10.345	2.631
March-----	13.500	14.000	12.695	1.305	1961:				
April-----	13.500	14.000	12.280	1.720	January-----	11.529	12.029	9.892	2.137
May-----	13.500	14.000	11.852	2.148	February-----	11.500	12.000	10.345	1.655
June-----	13.500	14.000	11.751	2.249	March-----	11.500	12.000	10.572	1.428
July-----	13.500	14.000	11.685	2.315	April-----	11.500	12.000	10.489	1.511
August-----	13.500	14.000	11.950	2.050	May-----	11.500	12.000	10.299	1.701
September-----	13.500	14.000	12.043	1.957	June-----	11.500	12.000	9.880	2.120
October-----	13.500	14.000	11.966	2.034	July-----	11.500	12.000	9.737	2.263
November-----	13.500	14.000	12.596	1.404	August-----	11.500	12.000	9.559	2.441
December-----	13.500	14.000	12.671	1.329					
1957:									
January-----	13.500	14.000	12.907	1.093					
February-----	13.500	14.000	12.430	1.570					
March-----	13.500	14.000	12.077	1.923					
April-----	13.500	14.000	12.297	1.703					
May-----	11.923	12.423	10.722	1.701					
June-----	10.860	11.360	9.288	2.072					
July-----	10.005	10.505	9.394	1.111					
August-----	10.000	10.500	9.237	1.263					
September-----	10.000	10.500	9.136	1.364					
October-----	10.000	10.500	8.647	1.853					
November-----	10.000	10.500	8.441	2.059					
December-----	10.000	10.500	7.849	2.651					

1/ Effective July 16, 1953, Prime Western zinc was also sold on a delivered basis (in addition to f.o.b. East St. Louis basis); the delivered price ranged from 1/4 to 1/2 cent per pound above the East St. Louis price. Beginning with October 1953, the delivered price was 1/2 cent above the East St. Louis price where freight from East St. Louis exceeded 1/2 cent per pound (freight from East St. Louis to New York City exceeded 1/2 cent per pound).

2/ Average of daily mean of bid and ask quotations for Good Ordinary brands (equivalent to U.S. Prime Western grade) per pound for prompt delivery at morning session of London Metal Exchange. Quotations in pounds sterling per long ton were converted to U.S. cents per pound, at the rate of 1 pound sterling equal to \$2.80.

Source: E and MJ Metal and Mineral Markets.

Note.--At mid-1961 the cost of transportation and insurance from London to New York City, plus the U.S. import duty (7/10 cent per pound), amounted to about 1.8 cents per pound.

Table 12.--Lead: Producers' stocks, by kinds, at primary smelters and refineries in the United States, at the end of each year, 1951-60, and at the end of each month, January 1958-July 1961

(In short tons)							
Date	In ores and matte and in process at smelters (lead content)	In base bullion (lead content)--			Refined pig lead (gross weight)	Antimonial lead (gross weight)	Total
		At smelters and refiners	In transit to refiners	In process at refiners			
At end of--							
1951-----	67,817	11,315	3,909	15,700	18,518	6,821	124,080
1952-----	65,771	17,583	3,105	19,759	31,405	12,155	149,778
1953-----	67,688	17,920	2,867	26,713	65,036	16,116	196,340
1954-----	62,074	18,170	1,723	27,164	77,930	14,789	201,850
1955-----	71,812	16,532	3,764	27,625	21,196	9,893	150,822
1956-----	77,918	12,222	2,846	25,092	29,435	11,746	159,259
1957-----	79,362	11,019	2,779	23,154	79,741	11,857	207,912
1958-----	72,378	10,917	1,767	19,746	185,913	12,595	303,316
1959-----	73,381	16,955	3,085	16,914	108,002	11,991	230,328
1960-----	89,502	30,852	887	24,451	149,034	11,115	305,841
1958, at end of--							
January-----	79,738	11,510	3,678	24,535	88,517	12,689	220,667
February-----	79,588	9,546	3,760	22,834	107,213	12,309	235,250
March-----	83,185	10,692	2,187	21,766	116,610	12,144	246,584
April-----	86,053	11,838	2,138	20,524	130,668	12,468	263,689
May-----	79,482	11,059	2,010	20,188	141,967	13,154	267,860
June-----	80,060	9,012	1,570	22,092	150,648	12,856	276,238
July-----	83,347	12,438	860	21,615	154,378	10,482	283,120
August-----	77,416	14,767	1,176	20,444	158,413	10,889	283,105
September-----	72,724	14,797	2,223	18,125	159,662	11,004	278,535
October-----	61,819	11,492	1,086	19,041	157,385	12,050	262,873
November-----	62,960	11,072	1,565	20,941	167,493	11,828	275,859
December-----	72,378	10,917	1,767	19,746	185,913	12,595	303,316
1959, at end of--							
January-----	72,832	10,565	1,889	21,317	197,085	11,789	315,477
February-----	62,383	11,707	1,447	21,479	202,835	12,111	311,962
March-----	68,433	14,352	350	20,575	198,459	12,065	314,234
April-----	64,538	12,373	624	20,507	184,468	13,355	295,865
May-----	55,223	12,239	766	20,391	157,981	13,596	260,196
June-----	58,451	13,270	943	19,468	120,914	12,321	225,367
July-----	53,115	18,379	158	18,021	129,551	13,143	232,367
August-----	50,007	17,389	-	15,638	116,344	7,915	207,293
September-----	61,910	17,925	-	14,932	109,527	7,769	212,063
October-----	69,429	14,800	-	14,919	107,849	7,569	214,566
November-----	70,837	12,919	-	15,708	106,678	7,625	213,767
December-----	73,381	16,955	3,085	16,914	108,002	11,991	230,328
1960, at end of--							
January-----	78,315	17,139	1,425	19,003	105,292	12,297	233,471
February-----	89,656	14,899	1,643	19,360	103,615	12,654	241,827
March-----	96,716	17,043	867	20,603	96,469	12,679	244,377
April-----	92,969	16,519	1,581	22,124	105,498	12,831	251,522
May-----	102,454	12,444	889	24,237	109,270	13,878	263,172
June-----	99,230	15,371	1,461	24,600	116,638	13,221	270,521
July-----	96,675	19,414	2,302	25,578	122,130	13,728	279,827
August-----	93,921	25,290	1,175	24,190	124,711	13,654	282,941
September-----	100,073	27,328	2,106	21,471	126,696	11,888	289,562
October-----	100,302	28,614	1,647	25,565	129,798	11,540	297,466
November-----	93,676	29,411	1,584	22,312	141,393	12,502	300,878
December-----	89,502	30,852	887	24,451	149,034	11,115	305,841
1961, at end of--							
January-----	90,048	23,627	805	23,497	159,534	11,347	308,858
February-----	89,305	16,021	1,843	22,290	172,455	12,245	314,159
March-----	84,910	18,030	-	22,758	176,028	12,740	314,466
April-----	76,553	15,121	264	23,041	184,346	11,965	311,290
May-----	77,556	13,515	808	20,530	183,985	13,292	309,686
June-----	76,037	14,225	485	19,912	184,037	12,789	307,485
July-----	80,488	16,116	338	22,698	183,411	12,060	315,111

Source: Compiled from data supplied by American Bureau of Metal Statistics.

Table 13.--Slab zinc: Producers' primary and secondary stocks in the United States, by standard grades, at the end of each year, 1951-60, and at the end of each month, January 1958-August 1961

(In short tons)						
Period	Special high grade	High grade	Intermediate	Prime Western 1/	Total	
At end of--						
1951-----	5,321	4,262	719	11,559	21,901	
1952-----	29,959	15,183	1,805	40,040	87,160	
1953-----	44,785	46,177	2,417	87,464	180,843	
1954-----	27,999	23,794	823	71,661	124,277	
1955-----	6,355	2,828	611	31,185	40,979	
1956-----	22,234	4,477	2,015	39,896	68,622	
1957-----	40,177	11,014	5,910	109,559	166,660	
1958-----	52,921	9,236	3,874	124,206	190,237	
1959-----	12,512	4,442	1,928	135,537	154,419	
1960-----	61,627	12,268	4,400	112,515	190,810	
1958, at end of--						
January-----	49,063	12,047	5,039	114,197	180,346	
February-----	52,263	11,089	6,238	119,599	189,189	
March-----	58,364	12,647	6,423	126,207	203,641	
April-----	69,314	14,743	6,174	130,940	221,171	
May-----	80,212	19,155	6,233	135,070	240,670	
June-----	87,003	20,987	5,346	139,643	252,979	
July-----	87,935	22,123	4,998	142,855	257,911	
August-----	86,123	19,310	5,623	140,473	251,529	
September-----	82,269	17,738	1,131	136,978	238,116	
October-----	65,860	14,122	4,589	125,605	210,176	
November-----	56,487	11,167	4,048	120,042	191,744	
December-----	52,921	9,236	3,874	124,206	190,237	
1959, at end of--						
January-----	54,452	7,192	3,996	130,137	195,777	
February-----	59,559	5,307	4,197	131,398	200,461	
March-----	61,733	6,889	3,916	133,545	206,083	
April-----	62,965	6,328	3,674	130,896	203,863	
May-----	59,107	5,524	3,362	128,011	196,004	
June-----	44,104	2,875	3,194	119,212	169,386	
July-----	46,515	4,972	3,030	127,516	182,033	
August-----	43,226	3,970	2,718	142,105	192,019	
September-----	38,636	4,089	2,700	147,611	193,036	
October-----	27,207	3,732	2,387	157,925	191,251	
November-----	19,426	4,251	1,910	150,570	176,157	
December-----	12,512	4,442	1,928	135,537	154,419	
1960, at end of--						
January-----	16,442	4,525	2,273	121,231	144,471	
February-----	16,929	4,317	2,071	113,745	137,062	
March-----	19,812	7,629	1,988	107,137	136,566	
April-----	32,296	12,162	1,702	101,701	147,861	
May-----	46,041	11,411	1,512	106,074	165,038	
June-----	57,187	15,674	1,822	113,003	187,686	
July-----	63,262	16,506	3,267	124,024	207,059	
August-----	57,275	15,533	3,337	124,499	200,644	
September-----	55,877	13,865	3,151	119,573	192,466	
October-----	54,889	12,928	3,032	119,429	190,288	
November-----	49,237	13,712	3,325	115,875	182,149	
December-----	61,627	12,268	4,400	112,515	190,810	
1961, at end of--						
January-----	73,464	11,106	4,175	117,627	206,372	
February-----	84,231	10,391	3,893	116,441	214,956	
March-----	95,386	11,077	3,157	113,269	222,889	
April-----	99,213	9,307	2,832	107,669	219,021	
May-----	99,113	9,881	2,382	101,678	213,054	
June-----	102,721	10,707	1,953	92,439	207,820	
July-----	102,440	10,719	1,941	91,504	206,604	
August-----	97,084	7,490	2,048	81,468	188,090	

1/ Including Select and Brass Special grades.

Source: Compiled from data supplied by American Zinc Institute, Inc.

Table 14.--Zinc in ore and other zinciferous materials: Indexes of stocks held at zinc smelters in the United States at the end of each year, 1951-60, and at the end of each month, January 1958-July 1961

(Stocks at end of 1951 = 100) 1/				
Period	Zinc content of stocks of--			
	Domestic ore	Foreign ore	Other zinciferous materials	Total
1951-----	100.0	100.0	100.0	100.0
1952-----	141.4	132.2	143.2	137.9
1953-----	140.2	175.6	187.3	156.1
1954-----	150.5	182.7	210.5	165.7
1955-----	139.0	141.6	243.6	144.7
1956-----	118.5	141.2	177.6	130.0
1957-----	31.5	148.1	202.2	112.8
1958-----	51.7	190.6	278.0	116.0
1959-----	57.0	190.0	364.1	122.5
1960-----	114.1	197.2	377.4	158.2
1958:				
January-----	76.1	152.7	200.0	111.5
February-----	69.5	171.2	203.3	115.2
March-----	64.7	204.0	214.3	125.7
April-----	64.9	212.8	237.1	130.3
May-----	64.0	208.0	226.0	127.4
June-----	60.7	212.3	204.0	126.2
July-----	61.6	216.0	210.0	128.5
August-----	60.9	207.4	199.8	124.2
September-----	59.7	199.2	203.6	120.6
October-----	60.2	179.8	193.4	112.8
November-----	53.1	181.5	219.5	110.6
December-----	51.7	190.6	278.0	116.0
1959:				
January-----	48.6	208.2	309.6	122.5
February-----	48.2	212.5	335.4	125.1
March-----	47.9	206.6	342.7	122.9
April-----	50.0	200.2	326.3	120.9
May-----	49.5	201.7	302.4	120.1
June-----	50.4	207.0	270.4	121.3
July-----	50.6	222.3	296.3	128.5
August-----	50.2	213.5	295.7	124.9
September-----	47.0	217.2	273.2	123.5
October-----	49.6	205.4	276.2	120.5
November-----	52.2	204.2	362.8	125.3
December-----	57.0	190.0	364.1	122.5
1960:				
January-----	60.8	180.6	461.2	125.4
February-----	62.7	187.2	440.0	128.0
March-----	66.4	196.3	437.5	133.6
April-----	75.1	194.8	412.5	136.9
May-----	75.5	218.3	428.7	146.9
June-----	77.6	203.7	435.4	142.8
July-----	86.7	197.7	409.1	144.3
August-----	96.6	210.4	390.5	154.1
September-----	103.8	216.5	381.1	160.1
October-----	111.2	215.0	380.5	163.7
November-----	115.4	212.1	370.7	164.5
December-----	114.1	197.2	377.4	158.2
1961:				
January-----	113.1	183.9	390.1	153.1
February-----	114.4	182.7	355.6	151.8
March-----	116.5	179.3	360.6	151.8
April-----	118.3	168.9	362.7	148.9
May-----	113.9	173.7	367.7	148.5
June-----	113.1	166.5	370.6	145.4
July-----	112.4	166.9	354.7	144.5

1/ Index numbers are based on data compiled by the American Zinc Institute which represented stocks of zinc ore (including sinter) and of other zinciferous materials held at smelters, at electrolytic plants, and in storage in the United States, suitable for the manufacture of metal, regardless of ownership, and including any Government-owned stocks, but excluding material in the operating circuit; data exclude stocks at mines and at old-slab and residue piles or dumps, and material that is awaiting conversion into pigments and is suitable and definitely earmarked for that purpose. Data on actual tonnages of zinc-ore stocks are confidential; permission was granted the Tariff Commission by the American Zinc Institute, however, to publish such data in terms of index numbers which reflect changes in stocks.

Source: Compiled from data supplied by the American Zinc Institute, Inc.

Table 15.--Unmanufactured lead: U.S. import quotas, effective Oct. 1, 1958, and imports for consumption (commercial only and total), by type of material, quarterly averages, 1953-57 and January-September 1958, and by quarters, October 1958-June 1961 ^{1/}

(In short tons)				
Item and period	Quarterly quotas	Commercial imports 2/		Total imports for consumption
		U.S. Treasury Department data	U.S. Commerce Department data	
<u>Lead-bearing ores (lead content): 3/</u>				
Quarterly averages:				
1953-57-----	-	4/	41,678	42,784
1958 (January-September)-----	-	4/	62,896	63,092
By quarters:				
1958 (October-December)-----	33,080	30,277	52,610	52,613
1959:				
January-March-----	33,080	31,095	41,667	41,964
April-June-----	33,080	31,051	29,348	29,396
July-September-----	33,080	31,031	33,162	33,249
October-December-----	33,080	31,545	32,349	32,353
1960:				
January-March-----	33,080	33,080	33,982	33,993
April-June-----	33,080	33,080	35,870	35,935
July-September-----	33,080	32,584	32,629	32,629
October-December-----	33,080	33,080	35,093	35,254
1961:				
January-March-----	33,080	33,080	31,583	31,632
April-June-----	33,080	33,080	34,249	36,908
<u>Lead metal (lead content): 5/</u>				
Quarterly averages:				
1953-57 4/-----	-	4/	69,168	80,076
1958 (January-September)-----	-	4/	85,518	100,864
By quarters:				
1958 (October-December)-----	55,600	53,720	63,413	63,413
1959:				
January-March-----	55,600	55,599	61,320	72,005
April-June-----	55,600	55,600	59,600	91,074
July-September-----	55,600	55,597	56,229	58,229
October-December-----	55,600	55,600	54,774	54,989
1960:				
January-March-----	55,600	55,594	54,391	56,805
April-June-----	55,600	55,600	55,201	55,488
July-September-----	55,600	55,599	54,413	54,413
October-December-----	55,600	55,599	55,938	56,214
1961:				
January-March-----	55,600	55,599	54,280	54,280
April-June-----	55,600	55,599	57,257	58,468
<u>Lead-bearing ores and lead metal (lead content):</u>				
Quarterly averages:				
1953-57 2/-----	-	4/	110,846	122,860
1958 (January-September)-----	-	4/	148,414	163,956
By quarters:				
1958 (October-December)-----	88,680	83,997	116,023	116,026
1959:				
January-March-----	88,680	86,694	102,987	113,969
April-June-----	88,680	86,651	88,948	120,470
July-September-----	88,680	86,628	89,391	91,478
October-December-----	88,680	87,145	87,123	87,342
1960:				
January-March-----	88,680	88,674	88,373	90,798
April-June-----	88,680	88,680	91,071	91,423
July-September-----	88,680	88,183	87,042	87,042
October-December-----	88,680	88,679	91,031	91,468
1961:				
January-March-----	88,680	88,679	85,863	85,912
April-June-----	88,680	88,679	91,506	95,376

^{1/} Import data for 1959, 1960, and 1961, except for those from the U.S. Treasury Department, are preliminary.

^{2/} Commercial imports are those to which import quotas apply. Data from the U.S. Treasury Department represent actual amounts entered per quarter under quota since quotas were established on Oct. 1, 1958. The other data indicate approximate commercial imports as calculated from data of the U.S. Department of Commerce; data for 1956-57 were adjusted using supplemental data from the U.S. General Services Administration (GSA). Commercial imports are approximately equal to dutiable imports for 1953-55, 1958, 1959, and 1960. In 1956-57, however, some of the dutiable imports were for U.S. Government account under the barter program; commercial imports for 1957-57, therefore, were computed from total imports by subtracting therefrom duty-free imports for smelting, refining, and export, and quantities of lead and zinc of foreign origin received by the GSA under the barter program for those years.

^{3/} Lead-bearing ores, flue dust, and mattes entered under par. 391 of the Tariff Act of 1930.

^{4/} Not available.

^{5/} Lead or base bullion, lead pigs and bars, lead scrap and dross, antimonial lead, type metal, and all alloys or combinations of lead not specially provided for, entered under par. 392 of the Tariff Act of 1930.

^{6/} Represents the 5-year base period used in determining the import quotas that went into effect on Oct. 1, 1958. The quarterly import quota for lead-bearing ores and metal combined (88,680 tons) represents 80 percent of the calculated commercial imports per quarter (110,846 tons) during the base period, 1953-57.

Source: Compiled from official statistics of the U.S. Department of Commerce, except as noted; quotas, as given in Presidential Proclamation No. 3257, dated Sept. 22, 1958.

Note.--Data on commercial imports compiled from official import statistics of the U.S. Department of Commerce differ from statistics compiled by the U.S. Department of the Treasury for several reasons. The statistics compiled by the Treasury Department indicate accurately the quantities of lead and zinc entered into the United States under the quota limitations. They exclude, for example, certain imports of lead and zinc that were exported to the United States prior to Sept. 22, 1958, the date of Presidential Proclamation No. 3257 (in accordance with a provision for such exclusion in the proclamation); such exports on or prior to Sept. 22, 1958, were either en route to the United States or were already in bonded warehouses in the United States, where they could remain for 3 or more years before being withdrawn and counted as imports for consumption. Import statistics from the 2 agencies differ also because of differences in the method of recording import entries. Some of the imports actually entered in a given quarter may not be recorded by the Department of Commerce until later.

Table 16.--Unmanufactured zinc: U.S. import quotas, effective Oct. 1, 1958, and imports for consumption (commercial only and total), by type of material, quarterly averages, 1953-57 and January-September 1958, and by quarters, October 1958-June 1961 1/

(In short tons)				
Item and period	Quarterly quotas	Commercial imports 2/		Total imports for consumption
		U.S. Treasury Department data	U.S. Commerce Department data	
<u>Zinc-bearing ores (zinc content): 3/</u>				
Quarterly averages:				
1953-57-----	-	4/	118,695	127,042
1958 (January-September)-----	-	4/	141,201	141,989
By quarters:				
1958 (October-December)-----	94,960	94,057	114,962	115,449
1959:				
January-March-----	94,960	94,960	107,797	109,269
April-June-----	94,960	94,960	116,137	120,179
July-September-----	94,960	94,960	101,100	102,297
October-December-----	94,960	94,960	95,887	105,515
1960:				
January-March-----	94,960	94,960	106,401	119,905
April-June-----	94,960	94,960	95,468	112,845
July-September-----	94,960	94,960	94,380	111,826
October-December-----	94,960	94,960	96,744	113,610
1961:				
January-March-----	94,960	86,994	84,989	93,798
April-June-----	94,960	87,341	88,863	100,686
<u>Zinc metal (gross weight): 2/</u>				
Quarterly averages:				
1953-57-----	-	4/	44,124	55,340
1958 (January-September)-----	-	4/	36,072	48,752
By quarters:				
1958 (October-December)-----	35,280	35,280	40,408	40,408
1959:				
January-March-----	35,280	35,279	35,489	38,390
April-June-----	35,280	35,280	34,494	42,883
July-September-----	35,280	34,695	37,498	44,544
October-December-----	35,280	29,020	30,591	39,784
1960:				
January-March-----	35,280	33,507	32,579	32,579
April-June-----	35,280	30,109	30,364	30,584
July-September-----	35,280	28,297	27,774	28,270
October-December-----	35,280	29,849	30,696	30,696
1961:				
January-March-----	35,280	31,166	30,070	30,511
April-June-----	35,280	28,572	29,486	29,636
<u>Zinc-bearing ores and zinc metal:</u>				
Quarterly averages:				
1953-57 2/-----	-	4/	162,819	182,382
1958 (January-September)-----	-	4/	177,273	190,741
By quarters:				
1958 (October-December)-----	130,240	129,337	155,370	155,857
1959:				
January-March-----	130,240	130,239	143,286	147,659
April-June-----	130,240	130,240	150,631	163,062
July-September-----	130,240	129,655	138,598	146,841
October-December-----	130,240	123,980	126,478	145,299
1960:				
January-March-----	130,240	128,467	138,980	152,484
April-June-----	130,240	125,069	125,832	143,429
July-September-----	130,240	123,257	122,154	140,096
October-December-----	130,240	124,809	127,440	144,306
1961:				
January-March-----	130,240	118,160	115,059	124,309
April-June-----	130,240	115,913	118,349	130,322

1/ Import data for 1959, 1960 and January-June 1961, except those from the U.S. Treasury Department, are preliminary.

2/ Commercial imports are those to which import quotas apply. Data from the U.S. Treasury Department represent actual amounts entered per quarter under quota since quotas were established on Oct. 1, 1958. The other data indicate approximate commercial imports as calculated from data of the U.S. Department of Commerce; data for 1956-57 were adjusted using supplemental data from the U.S. General Services Administration (GSA). Commercial imports are approximately equal to dutiable imports for 1953-55, 1958, 1959, and 1960. In 1956-57, however, some of the dutiable imports were for U.S. Government account under the barter program; commercial imports for 1956-57, therefore, were computed from total imports by subtracting therefrom duty-free imports for smelting, refining, and export, and quantities of lead and zinc of foreign origin received by the GSA under the barter program for those years.

3/ Zinc-bearing ores entered under par. 393 of the Tariff Act of 1930. Does not include zinc fume.

4/ Not available.

5/ Zinc blocks, pigs, or slabs and zinc scrap, dross, and skimmings entered under par. 394 of the Tariff Act of 1930.

6/ Represents the 5-year base period used in determining the import quotas that went into effect on Oct. 1, 1958. The quarterly import quota for zinc-bearing ores and metal combined (130,240 tons) represents 80 percent of the calculated commercial imports per quarter (162,819 tons) during the base period, 1953-57.

Source: Compiled from official statistics of the U.S. Department of Commerce, except as noted; quotas, as given in Presidential Proclamation No. 3257, dated Sept. 22, 1958.

Note.--Data on commercial imports compiled from official import statistics of the U.S. Department of Commerce differ from statistics compiled by the U.S. Department of the Treasury for several reasons. The statistics compiled by the Treasury Department indicate accurately the quantities of lead and zinc entered into the United States under the quota limitations. They exclude, for example, certain imports of lead and zinc that were exported to the United States prior to Sept. 22, 1958, the date of Presidential Proclamation No. 3257 (in accordance with a provision for such exclusion in the proclamation); such exports on or prior to Sept. 22, 1958, were either en route to the United States or they were already in bonded warehouses in the United States where they could remain for 3 or more years before being withdrawn and counted as imports for consumption. Import statistics from the 2 agencies differ also because of differences in the method of recording import entries. Some of the imports actually entered in a given quarter may not be recorded by the Department of Commerce until later.

Table 17.--Unmanufactured lead: U.S. imports for consumption, by kinds of material and by customs treatment, 1952-60, and by quarters, January 1957-June 1961

Period	Lead-bearing ores, flue dust, and mattes		Lead metal							Total, ores and metal	
	Dutiable	Free	Lead or base bullion	Lead pigs and bars	Type metal and antimonial lead	Reclaimed lead, scrap, and dross	Lead alloys, chief value lead	Total, lead metal		Dutiable	Free
								Dutiable	Free		
Quantity (short tons of lead content)											
1952 1/	4,040	105,094	2,951	510,718	9,415	11,426	573	175,560	359,523	179,600	464,617
1953	64,050	3,534	742	379,119	5,017	3,908	688	344,954	44,520	409,004	48,054
1954	193,894	3,273	41	274,286	3,367	7,437	525	266,303	19,353	460,197	22,626
1955	153,799	3,078	-	264,104	13,213	18,995	185	270,614	25,883	424,413	28,961
1956	190,081	6,101	31	262,204	8,500	21,163	1,078	229,924	63,052	420,005	69,153
1957	234,464	3,414	25	321,708	4,858	9,279	1,059	277,825	59,104	512,289	62,518
1958 2/	241,297	593	416	351,759	4,524	8,619	687	319,966	46,039	561,263	46,632
1959 2/	136,526	436	34	262,632	5,021	7,897	713	231,923	44,374	368,449	44,810
1960 2/	137,574	237	293	213,146	3,820	5,598	63	219,943	2,977	357,517	3,214
1957:											
January-March	63,822	916	3/	74,088	1,397	2,844	331	56,221	22,439	120,043	23,355
April-June	47,275	1,991	-	74,337	998	1,373	172	51,495	25,385	98,770	27,376
July-September	37,526	140	25	71,266	941	2,229	109	64,376	10,194	101,902	10,334
October-December	85,841	367	-	102,017	1,522	2,833	447	105,733	1,086	191,574	1,453
1958:											
January-March	82,697	208	31	87,406	1,607	3,150	122	75,201	17,115	157,898	17,323
April-June	63,322	252	335	121,192	893	3,220	158	98,219	27,579	161,541	27,831
July-September	42,669	129	50	82,205	987	1,009	227	83,133	1,345	125,802	1,474
October-December	52,609	4	-	60,956	1,037	1,240	180	63,413	-	116,022	4
1959: 2/											
January-March	41,667	297	-	68,589	656	2,257	503	61,320	10,685	102,987	10,902
April-June	29,348	48	5	87,237	1,689	2,103	40	59,600	31,474	88,948	31,522
July-September	33,162	87	29	55,577	352	2,190	81	56,229	2,000	89,391	2,007
October-December	32,349	4	-	51,229	2,324	1,347	89	54,774	215	87,123	219
1960: 2/											
January-March	33,982	11	43	53,806	1,919	1,010	27	54,391	2,414	88,373	2,425
April-June	35,870	65	250	52,881	583	1,748	26	55,201	287	91,071	352
July-September	32,629	-	-	52,363	603	1,442	5	54,413	-	87,042	-
October-December	35,093	161	-	54,096	715	1,398	5	55,938	276	91,031	437
1961: 2/											
January-March	31,583	49	16	52,028	981	947	308	54,280	-	85,863	49
April-June	34,249	2,659	10	54,383	3,117	957	1	57,257	1,211	91,506	3,870
Foreign value (1,000 dollars)											
1952 1/	601	32,639	1,138	165,019	4,154	3,220	259	52,499	121,291	53,100	153,930
1953	14,628	763	294	95,285	1,922	902	229	87,922	10,710	102,550	11,473
1954	47,531	775	10	68,420	1,251	1,498	232	66,911	4,500	114,442	5,275
1955	37,551	721	-	73,058	4,379	3,939	105	75,648	5,833	113,199	6,554
1956	50,397	1,269	12	77,719	2,763	5,363	491	68,698	17,650	119,095	18,919
1957	62,284	1,158	8	85,146	1,527	2,038	775	73,412	16,082	135,696	17,240
1958	51,707	149	136	71,404	1,190	1,441	342	65,292	9,221	116,999	9,370
1959 2/	27,034	98	19	54,667	1,204	1,304	332	48,965	8,561	75,999	8,659
1960 2/	27,816	94	294	45,015	956	1,035	43	46,409	934	74,225	1,028
1957:											
January-March	18,140	208	4/	21,424	441	759	156	16,698	6,082	34,838	6,290
April-June	13,000	799	-	20,691	349	318	86	14,618	6,826	27,618	7,625
July-September	9,979	45	8	18,546	285	407	52	16,436	2,862	26,415	2,907
October-December	21,165	106	-	24,485	452	554	481	25,660	312	46,825	418
1958:											
January-March	19,716	58	7	18,921	518	559	71	16,545	3,531	36,261	3,589
April-June	13,560	68	116	24,286	245	522	74	19,809	5,434	33,369	5,502
July-September	7,894	22	13	15,634	202	180	107	15,880	256	23,774	278
October-December	10,537	1	-	12,563	225	180	90	13,058	-	23,595	1
1959: 2/											
January-March	8,744	50	-	14,420	143	366	111	12,865	2,175	21,609	2,225
April-June	5,926	7	1	17,271	437	314	27	12,103	5,947	18,029	5,954
July-September	6,324	39	18	11,610	109	382	156	11,888	387	18,212	426
October-December	6,040	2	-	11,366	515	242	38	12,109	52	18,149	54
1960: 2/											
January-March	6,701	5	247	12,068	416	220	29	12,170	810	18,871	815
April-June	7,322	20	47	11,037	165	294	10	11,496	57	18,818	77
July-September	6,743	-	-	10,859	168	251	2	11,280	-	18,023	-
October-December	7,050	69	-	11,051	207	270	2	11,463	67	18,513	136
1961: 2/											
January-March	5,732	4	88	9,814	240	129	102	10,373	-	16,105	4
April-June	6,170	462	4/	10,178	690	136	4/	10,734	270	16,904	732

1/ Duty on all imports was suspended from Feb. 12 to June 25, 1952, inclusive (Public Law 257, 82d Cong.).

2/ Preliminary.

3/ Less than 500 pounds.

4/ Less than \$500.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 18.--Unmanufactured zinc: U.S. imports for consumption, by kinds of material and by customs treatment, 1952-60, and by quarters, January 1957-June 1961

Period	Zinc-bearing ores		Zinc metal				Total, ores and metals		
	Dutiable	Free	Zinc blocks, pigs, and slabs	Zinc scrap	Dross and skimmings	Total, zinc metal		Dutiable	Free
						Dutiable	Free		
Quantity (short tons--zinc content of ores, gross weight of other materials)									
1952 1/	37,438	544,529	113,053	470	3,019	61,636	54,906	99,074	599,435
1953	445,252	19,075	227,654	2,990	2,925	208,580	24,989	653,832	44,064
1954	480,474	23,146	161,288	771	316	150,014	12,361	630,488	35,507
1955	384,183	22,776	195,839	176	108	185,456	10,667	569,639	33,443
1956	462,379	21,620	244,726	185	417	164,692	80,636	627,071	102,256
1957	679,218	2,715	268,824	227	363	202,735	66,679	881,953	69,394
1958	538,565	2,850	185,693	236	736	148,624	38,041	687,189	40,891
1959 2/	420,921	16,339	164,463	183	955	138,072	27,529	558,993	43,868
1960 2/	392,993	65,193	120,925	105	1,099	121,413	716	514,406	65,909
1957:									
January-March	136,505	433	74,269	38	172	48,189	26,290	184,694	26,723
April-June	160,705	1,212	73,706	44	141	39,302	34,589	200,007	35,801
July-September	171,088	751	60,949	70	50	55,269	5,800	226,357	6,551
October-December	210,920	319	59,900	75	-	59,975	-	270,895	319
1958:									
January-March	144,317	162	44,610	47	207	38,446	6,418	182,763	6,580
April-June	133,654	2,047	38,779	90	266	36,996	2,139	170,650	4,186
July-September	145,632	154	62,030	88	140	32,774	29,484	178,406	29,638
October-December	114,962	487	40,274	11	123	40,408	-	155,370	487
1959: 2/									
January-March	107,797	1,472	38,216	45	129	35,489	2,901	143,286	4,373
April-June	116,137	4,042	42,700	1	182	34,494	8,389	150,631	12,431
July-September	101,100	1,197	44,122	79	343	37,498	7,046	138,598	8,243
October-December	95,887	9,628	39,425	58	301	30,591	9,193	126,478	18,821
1960: 2/									
January-March	106,401	13,504	32,282	21	276	32,579	-	138,980	13,504
April-June	95,468	17,377	30,197	54	333	30,364	220	125,832	17,597
July-September	94,380	17,446	27,942	16	312	27,774	496	122,454	17,942
October-December	96,744	16,866	30,504	14	178	30,696	-	127,440	16,866
1961: 2/									
January-March	84,989	8,809	30,292	71	148	30,070	441	115,059	9,250
April-June	88,863	11,823	29,308	55	273	29,486	150	118,349	11,973
Foreign value (1,000 dollars)									
1952 1/	5,435	108,350	36,220	146	389	16,666	20,089	22,101	128,439
1953	47,229	2,485	50,282	306	250	45,991	4,847	93,220	7,332
1954	52,389	1,939	33,987	71	33	31,138	2,953	83,527	4,892
1955	36,709	2,847	46,638	28	3	43,987	2,682	80,696	5,529
1956	49,231	3,879	65,034	36	61	44,176	20,955	93,407	24,834
1957	88,466	635	64,129	32	57	46,580	17,638	135,046	18,273
1958	51,361	541	35,511	31	78	28,419	7,201	79,780	7,742
1959 2/	37,090	1,110	33,996	26	116	28,452	5,686	65,542	6,796
1960 2/	39,638	4,029	29,639	14	175	29,628	200	69,266	4,228
1957:									
January-March	18,444	85	19,709	9	33	12,924	6,827	31,368	6,912
April-June	19,567	379	19,284	7	20	10,036	9,275	29,603	9,654
July-September	21,524	101	13,214	7	4	11,689	1,536	33,213	1,637
October-December	28,931	70	11,922	9	-	11,931	-	40,862	70
1958:									
January-March	15,561	41	8,769	3	21	7,514	1,279	23,075	1,320
April-June	12,873	408	7,632	10	29	7,278	393	20,151	801
July-September	12,731	35	11,549	16	15	6,051	5,529	18,782	5,564
October-December	10,196	57	7,561	2	13	7,576	-	17,772	57
1959: 2/									
January-March	9,215	78	7,491	9	15	7,021	494	16,236	572
April-June	9,915	454	8,411	3/	23	6,667	1,767	16,582	2,221
July-September	9,344	88	9,081	11	39	7,771	1,360	17,115	1,448
October-December	8,616	490	9,013	6	39	6,993	2,065	15,609	2,555
1960: 2/									
January-March	10,638	589	7,848	4	47	7,899	-	18,537	589
April-June	10,758	979	7,366	6	53	7,364	61	18,122	1,040
July-September	8,825	1,010	6,983	2	47	6,893	139	15,718	1,149
October-December	9,417	1,450	7,442	2	28	7,472	-	16,889	1,450
1961: 2/									
January-March	7,508	572	6,786	6	20	6,688	124	14,196	696
April-June	7,962	850	6,456	6	31	6,460	33	14,422	883

1/ Duty on all imports was suspended from Feb. 12 to July 23, 1952, inclusive (Public Law 258, 82d Cong.).

2/ Preliminary.

3/ Less than \$500.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 19.--Unmanufactured lead: U.S. imports for consumption, by principal countries, 1952-60, January-June 1960, and January-June 1961

Country	1952	1953	1954	1955	1956	1957	1958	1959 1/	1960 1/	January-June	
										1960 1/	1961 1/
Quantity (short tons of lead content)											
Peru-----	74,403	73,000	54,312	67,087	92,480	86,070	135,062	68,183	59,178	28,490	29,486
Mexico-----	134,205	137,905	73,347	108,887	96,172	114,546	128,041	88,896	77,471	40,031	40,994
Australia-----	98,415	77,495	83,564	76,772	118,497	142,547	113,252	76,821	66,825	32,807	33,296
Canada-----	120,336	61,538	123,484	88,589	51,410	62,969	74,437	73,715	59,926	30,331	31,980
Yugoslavia-----	54,709	51,929	38,575	35,659	38,901	40,262	36,789	32,376	30,159	13,972	15,555
Bolivia-----	22,103	2,912	16,955	9,131	19,771	16,323	22,681	10,939	10,581	5,776	4,666
Union of South Africa-----	16,370	11,631	48,796	28,008	36,409	66,166	41,386	28,939	30,785	15,905	14,969
Morocco-----	6,670	11,888	17,555	5,593	5,428	9,018	9,760	5,032	6,605	3,240	4
Spain-----	5,509	-	5,580	11,080	6,700	3,119	9,505	11,270	6,388	3,771	3,471
Guatemala-----	4,893	5,419	2,765	2,940	5,644	12,129	4,944	158	1,520	1,170	2,862
Chile-----	6,320	5,356	3,307	5,654	2,957	1,758	422	113	27	-	1,190
United Kingdom-----	4,792	1,765	2,519	187	294	2,809	8,556	1,048	150	73	56
West Germany-----	6,107	4,006	856	499	538	1,718	3,286	2,693	655	325	70
Denmark-----	334	1,738	4,277	3,036	3,293	3,189	2,188	625	319	150	199
Honduras-----	763	34	1,330	699	3,044	6,108	3,811	3,649	4,457	2,434	2,147
All other-----	2/88,288	10,442	5,601	9,553	7,620	6,076	3/13,775	8,802	5,685	3,746	343
Total-----	644,217	457,058	482,823	453,374	489,158	574,807	607,895	413,259	360,731	182,221	181,288
Foreign value (1,000 dollars)											
Peru-----	23,156	18,790	12,615	16,330	24,671	22,470	28,430	13,207	12,121	5,858	5,129
Mexico-----	45,884	35,378	18,93	30,960	28,872	31,445	27,184	18,339	16,695	8,965	7,762
Australia-----	31,213	17,093	19,310	19,244	31,999	35,857	21,069	13,986	12,749	6,524	5,473
Canada-----	38,558	16,139	30,864	22,385	13,934	15,776	15,531	15,262	11,901	6,124	5,858
Yugoslavia-----	18,480	13,753	10,602	10,644	12,386	11,660	7,865	7,745	7,402	3,554	3,384
Bolivia-----	6,699	720	4,107	2,274	5,465	4,208	5,126	2,101	2,274	1,099	757
Union of South Africa-----	6,136	3,293	13,050	8,358	11,195	20,260	10,229	6,475	7,203	3,632	3,438
Morocco-----	2,255	2,797	4,344	1,507	1,561	2,421	2,125	1,058	1,118	441	1
Spain-----	2,094	-	1,360	2,796	1,777	779	1,613	2,347	1,135	676	599
Guatemala-----	476	583	365	514	993	1,996	620	39	246	201	579
Chile-----	2,912	1,125	702	1,208	568	348	132	15	7	-	237
United Kingdom-----	1,391	475	623	76	94	739	1,595	240	40	17	15
West Germany-----	1,886	920	247	136	284	403	813	745	154	60	13
Denmark-----	109	474	1,086	933	1,377	1,371	690	280	108	48	61
Honduras-----	283	9	355	193	838	1,819	953	896	957	597	395
All other-----	2/25,498	2,474	1,149	2,195	1,999	1,384	3/2,394	1,923	1,144	786	47
Total-----	207,030	114,023	119,717	119,753	138,013	152,936	126,369	84,658	75,254	38,582	33,746

1/ Preliminary.

2/ Includes 76,346 short tons, valued at \$21,991 thousand, from France.

3/ Includes 5,276 short tons, valued at \$793 thousand, from Greenland, and 4,684 short tons, valued at \$925 thousand, from Belgium.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 20.--Lead-bearing ores, flue dust, and mattes: U.S. imports for consumption, by principal countries, 1952-60, January-June 1960, and January-June 1961

Country	1952	1953	1954	1955	1956	1957	1958	1959	1960	January-June	
									1960	1961	
	Quantity (short tons of lead content)										
Peru	30,436	19,568	33,352	42,302	58,430	50,992	92,182	38,872	33,745	15,434	16,113
Mexico	4,432	1,207	4,275	2,013	3,929	7,494	3,650	806	1,151	392	598
Australia	12,631	4,833	23,444	21,826	36,526	45,295	33,829	22,291	20,894	10,572	9,569
Canada	8,513	11,636	58,867	41,165	26,748	31,087	31,393	28,632	27,944	14,403	16,319
Bolivia	21,459	2,692	16,955	9,131	19,771	14,722	22,501	10,822	10,581	5,776	4,666
Union of South Africa	16,370	11,531	48,796	28,008	35,560	65,440	41,386	28,939	30,785	15,905	14,856
Guatemala	4,627	4,683	2,765	2,916	5,613	12,129	4,944	158	1,520	1,170	2,853
Chile	6,320	5,313	3,307	5,654	2,957	1,758	88	113	27	-	1,190
Honduras	763	34	1,330	699	3,044	6,108	3,811	3,649	4,457	2,434	2,147
All other	3,583	6,088	4,076	3,163	3,604	2,852	8,106	2,680	6,709	3,812	229
Total	109,134	67,585	197,167	156,877	196,182	237,877	241,890	136,962	137,812	69,928	68,540
Foreign value (1,000 dollars)											
Peru	8,278	3,877	6,749	8,900	13,937	12,396	18,211	6,551	6,074	2,645	2,271
Mexico	1,534	251	1,147	382	1,089	2,353	985	206	307	100	121
Australia	3,751	1,150	5,495	5,201	9,642	12,330	7,243	3,886	4,067	2,219	1,521
Canada	2,600	3,443	15,535	10,555	7,379	7,650	7,246	6,333	5,601	2,959	3,050
Bolivia	6,496	670	4,107	2,274	5,465	3,885	5,083	2,083	2,274	1,099	757
Union of South Africa	6,136	3,261	13,050	8,358	10,923	20,028	10,229	6,475	7,203	3,632	3,414
Guatemala	383	327	365	511	988	1,996	620	39	246	201	577
Chile	2,912	1,111	702	1,208	568	348	16	15	7	-	237
Honduras	283	9	355	193	838	1,819	953	896	957	597	395
All other	867	1,292	801	690	837	637	1,270	648	1,175	597	25
Total	33,240	15,391	48,306	38,272	51,666	63,442	51,856	27,132	27,911	14,049	12,368

1/ Preliminary.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 21.--Lead metal: 1/ U.S. imports for consumption, by principal countries, 1952-60, January-June 1960, and January-June 1961

Country	1952	1953	1954	1955	1956	1957	1958	1959 2/	1960 2/	January-June	
										1960 2/	1961 2/
	Quantity (short tons of lead content)										
Peru-----	43,967	53,432	20,960	24,785	34,050	35,078	42,880	29,311	25,433	13,056	13,373
Mexico-----	129,773	136,698	69,072	106,874	92,243	107,052	124,391	88,090	76,320	39,639	40,396
Australia-----	85,784	72,662	60,120	54,946	81,971	97,252	79,423	54,530	45,931	22,235	23,727
Canada-----	111,823	49,902	64,617	47,424	24,662	31,882	43,044	45,083	31,982	15,928	15,661
Yugoslavia-----	54,339	51,929	38,575	35,659	38,901	40,262	36,789	32,376	30,159	13,972	15,555
Morocco-----	6,670	9,258	17,555	5,593	5,428	9,018	9,760	5,032	1,243	127	4
Spain-----	5,509	-	5,580	11,080	6,700	3,119	9,505	11,270	6,388	3,771	3,471
United Kingdom-----	4,792	1,765	2,519	187	294	2,809	8,556	1,035	150	73	56
West Germany-----	6,052	4,006	856	499	538	1,718	3,286	2,667	655	325	70
Denmark-----	334	1,738	4,277	3,036	3,293	3,189	2,188	625	319	150	199
All other-----	3/ 86,040	8,083	1,525	6,414	4,896	5,551	6,183	6,278	4,339	3,017	236
Total-----	535,083	389,473	285,656	296,497	292,976	336,930	366,005	276,297	222,919	112,293	112,748

Country	Foreign value (1,000 dollars)										
	1952	1953	1954	1955	1956	1957	1958	1959 2/	1960 2/	January-June	
Peru-----	14,878	14,913	5,866	7,430	10,734	10,074	10,219	6,657	6,047	3,213	2,858
Mexico-----	44,350	35,127	17,791	30,578	27,783	29,092	26,199	18,134	16,388	8,864	7,641
Australia-----	27,462	15,943	13,815	14,043	22,357	23,527	13,826	10,100	8,682	4,304	3,952
Canada-----	35,958	12,696	15,329	11,830	6,555	8,126	8,285	8,929	6,300	3,164	2,808
Yugoslavia-----	18,405	13,753	10,602	10,644	12,386	11,660	7,865	7,745	7,402	3,554	3,384
Morocco-----	2,255	2,191	4,344	1,507	1,561	2,421	2,125	1,058	198	15	1
Spain-----	2,094	-	1,360	2,796	1,777	779	1,613	2,347	1,135	676	597
United Kingdom-----	1,391	475	623	76	94	739	1,595	235	38	17	15
West Germany-----	1,866	920	247	136	284	403	813	735	154	60	13
Denmark-----	109	474	1,086	933	1,377	1,371	690	280	108	48	61
All other-----	3/ 25,022	2,140	348	1,508	1,439	1,302	1,283	1,306	891	618	48
Total-----	173,790	98,632	71,411	81,481	86,347	89,494	74,513	57,526	47,343	24,533	21,378

1/ Lead or base bullion, lead pigs and bars, lead scrap and dross, antimonial lead, type metal, and miscellaneous alloys or combinations of lead (except Babbitt metal and solder).

2/ Preliminary.

3/ Includes 76,346 short tons, valued at \$21,991 thousand, imported from France.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 22.--Unmanufactured zinc: U.S. imports for consumption, by principal countries, 1952-60, January-June 1960, and January-June 1961

Country	Quantity (short tons--zinc content of ores, gross weight of other materials)										January-June	
	1952	1953	1954	1955	1956	1957	1958	1959 1/2	1960 1/2	1961 1/2	1960 1/2	1961 1/2
Canada	250,912	278,177	285,129	270,738	265,796	323,272	265,803	227,082	268,790	104,644	85,445	
Mexico	296,121	174,690	196,953	186,329	215,135	285,453	231,383	170,123	199,078	108,083	87,637	
Peru	55,273	77,835	100,258	70,579	104,043	169,299	120,109	93,438	82,276	39,381	41,170	
Union of South Africa	14,543	5,875	10,879	7	2,302	20,119	28,007	4,629	13,193	4,732	2,828	
Belgian Congo	-	8,820	13,995	15,228	17,732	33,007	20,991	12,790	9,308	4,200	5,519	
Belgium and Luxembourg	6,674	21,728	8,422	19,294	33,214	34,163	17,969	11,648	5,725	3,863	5,378	
Australia	3,888	15,737	5,266	6,614	23,050	15,234	8,327	25,878	23,028	1,126	4,645	
Bolivia	15,383	16,323	15,590	1,058	5,661	8,674	6,838	1,704	2,344	1,347	417	
Guatemala	10,372	6,395	1,819	8,137	13,272	10,337	6,093	10	1,311	-	3,599	
Italy	5,314	29,332	8,690	6,333	13,486	10,010	5,616	17,104	7,808	4,660	2,238	
Yugoslavia	4,054	14,677	4,881	-	500	10,572	5,009	3,384	5,640	2,721	1,752	
Norway	276	6,323	716	504	-	-	2,600	329	7	-	-	
West Germany	6,958	14,568	3,108	6,642	15,257	8,780	2,035	7,952	1,619	1,002	1,055	
Japan	963	2/	628	-	4,883	2,887	1,734	355	-	-	-	
Honduras	643	8	613	79	691	3,562	1,478	1,116	2,110	-	1,120	
Spain	13,656	17,501	-	-	-	-	-	13,476	14,597	7,183	8,062	
All other	13,479	9,907	9,228	11,540	11,255	15,268	3,891	11,813	3,451	12,864	3,736	
Total	698,509	697,896	665,995	603,082	729,327	951,347	728,030	602,861	580,315	295,913	254,631	
Foreign value (1,000 dollars)												
Canada	57,981	48,978	44,889	45,980	50,195	52,646	38,014	35,117	33,997	17,887	12,246	
Mexico	57,144	16,702	14,683	14,467	19,540	32,846	15,162	10,122	14,772	8,003	5,838	
Peru	11,793	9,486	14,661	10,023	16,283	28,451	15,742	10,354	9,889	5,080	4,649	
Union of South Africa	4,904	917	1,968	2	496	4,591	4,043	796	1,876	594	838	
Belgian Congo	-	168	2,942	3,696	4,849	7,471	4,179	2,689	2,438	1,067	1,239	
Belgium and Luxembourg	1,749	4,507	1,718	4,574	8,764	8,439	3,300	2,306	1,321	861	1,202	
Australia	1,274	1,722	1,017	1,402	4,059	3,767	1,474	3,226	2,096	998	644	
Bolivia	3,637	1,889	1,955	134	772	1,094	639	192	237	159	111	
Guatemala	987	196	70	986	1,537	1,320	734	3	217	-	374	
Italy	2,150	5,336	1,336	1,501	3,552	2,318	1,081	2,244	1,738	1,211	373	
Yugoslavia	943	1,334	226	-	118	2,682	902	661	1,352	628	431	
Norway	130	1,405	165	110	-	-	459	67	1	1	-	
West Germany	1,674	2,916	855	1,528	3,614	2,407	400	710	420	264	239	
Japan	204	3/	55	-	1,047	828	361	58	-	-	-	
Honduras	240	2	136	22	166	965	329	245	597	-	289	
Spain	1,959	1,980	-	-	-	-	-	1,350	2,057	920	1,118	
All other	3,771	3,044	1,323	1,800	3,289	3,493	703	2,198	486	615	606	
Total	150,540	100,552	88,419	86,225	118,241	153,318	87,522	72,338	73,494	38,288	30,197	

1/ Preliminary.
2/ Less than 1/2 short ton.
3/ Less than \$500.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 23.--Zinc-bearing ores: U.S. imports for consumption, by principal countries, 1952-60, January-June 1960, and January-June 1961

Country	1952	1953	1954	1955	1956	1957	1958	1959	1960	January-June	
										1960	1961
Quantity (short tons, zinc content)											
Canada	178,046	168,171	179,284	157,063	118,342	218,745	171,535	137,545	133,418	66,807	51,043
Mexico	278,945	144,892	186,397	166,849	198,206	261,774	208,579	160,394	190,403	101,768	84,803
Peru	53,673	71,654	91,294	60,813	97,453	117,051	110,373	81,101	74,759	35,622	37,410
Union of South Africa	14,543	5,875	10,879	7	622	20,119	28,007	4,331	13,193	4,732	2,820
Belgium and Luxembourg	-	-	-	1,546	861	-	-	-	1	1	-
Australia	3,888	8,200	1,815	2,581	15,768	5,711	6,054	16,737	22,578	11,265	4,302
Bolivia	15,383	16,323	15,590	1,058	5,661	8,674	6,838	1,704	2,344	1,347	417
Guatemala	10,372	6,395	1,819	8,137	13,272	10,337	6,093	10	1,311	-	3,599
Italy	1,552	5,061	3,659	-	-	-	-	9,931	3,572	1,780	1,245
Yugoslavia	1,267	12,777	4,881	-	-	-	-	-	-	-	-
West Germany	-	1	-	-	-	8	-	7,290	-	-	12
Japan	741	-	628	-	-	-	26	-	-	-	-
Honduras	643	8	613	79	691	3,562	1,478	1,116	2,140	991	1,120
Spain	13,540	17,501	-	-	-	-	-	13,476	11,788	7,183	5,682
All other	9,373	7,470	6,761	8,826	3,123	5,952	2,433	3,625	2,679	1,254	2,031
Total	581,966	464,328	503,620	406,959	483,999	681,933	541,416	437,260	458,186	232,750	194,484
Foreign value (1,000 dollars)											
Canada	34,533	23,510	22,690	18,540	17,944	28,760	19,519	16,374	15,267	8,444	4,690
Mexico	51,814	10,219	12,686	10,409	15,379	27,479	11,640	8,396	12,821	6,586	5,287
Peru	11,373	8,146	13,011	7,543	14,335	22,374	13,519	7,661	8,218	4,246	3,817
Union of South Africa	4,904	917	1,988	2	123	4,591	4,043	744	1,876	594	836
Belgium and Luxembourg	-	-	-	264	127	-	-	-	2/	2/	-
Australia	1,274	572	375	497	2,232	1,427	1,045	1,292	1,975	998	546
Bolivia	3,637	1,889	1,955	134	772	1,094	639	192	237	159	111
Guatemala	987	196	70	986	1,537	1,320	734	3	217	-	374
Italy	106	545	343	-	-	-	-	840	744	562	128
Yugoslavia	209	935	226	-	-	-	-	-	-	-	-
West Germany	-	2/	-	-	-	4	-	538	-	-	2
Japan	143	-	55	-	-	-	3	-	-	-	-
Honduras	240	2	136	22	166	965	329	245	597	271	289
Spain	1,950	1,980	-	-	-	-	-	1,350	1,404	920	577
All other	2,615	803	793	1,159	495	1,086	431	565	310	244	235
Total	113,785	49,714	54,328	39,556	53,110	89,100	51,902	38,200	43,666	22,964	16,892

1/ Preliminary.

2/ Less than \$500.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 24.--Zinc metal: 1/ U.S. imports for consumption, by principal countries, 1952-60, January-June 1960, and January-June 1961

Country	1952	1953	1954	1955	1956	1957	1958	1959 2/	1960 2/	January-June	
										1960 2/	1961 2/
	Quantity (short tons, gross weight)										
Canada-----	72,866	110,006	105,845	113,675	117,454	104,527	94,265	89,537	75,372	37,837	34,402
Mexico-----	17,176	29,798	10,456	19,480	16,929	23,689	22,804	9,729	8,675	6,315	2,834
Peru-----	1,600	6,181	8,964	9,766	6,590	22,948	9,736	12,337	7,517	3,759	3,760
Union of South Africa-----	-	-	-	-	1,680	-	-	298	-	-	8
Belgian Congo-----	-	8,820	13,895	15,228	17,782	33,007	20,991	12,790	9,308	4,200	5,549
Belgium and Luxembourg-----	6,674	21,728	8,422	17,748	32,353	34,163	17,969	11,648	5,724	3,863	5,378
Australia-----	-	7,537	3,471	4,033	7,282	9,523	2,273	9,141	450	-	343
Italy-----	3,762	24,271	5,031	6,333	13,486	10,010	5,816	7,173	4,236	2,880	993
Yugoslavia-----	2,787	1,900	-	-	500	10,572	5,009	3,384	5,640	2,721	1,752
Norway-----	276	6,323	716	504	-	-	2,600	329	7	7	-
West Germany-----	6,958	14,567	3,108	6,642	15,257	8,772	2,035	662	1,619	1,002	1,043
Japan-----	222	3/	-	-	4,883	2,887	1,708	355	-	-	-
All other-----	4,222	2,437	2,467	2,714	11,132	9,316	1,458	8,218	3,581	579	4,085
Total-----	116,543	233,568	162,375	196,123	245,328	269,444	186,664	165,601	122,129	63,163	60,147
	Foreign value (1,000 dollars)										
Canada-----	23,448	25,468	22,299	27,440	32,251	23,886	18,495	18,743	18,730	9,473	7,556
Mexico-----	5,330	6,483	1,997	4,058	4,161	5,367	3,522	1,726	1,950	1,417	551
Peru-----	420	1,340	1,950	2,480	1,948	6,077	2,223	2,693	1,671	834	832
Union of South Africa-----	-	-	-	-	373	-	-	52	-	-	2
Belgian Congo-----	-	168	2,942	3,696	4,849	7,471	4,179	2,689	2,438	1,067	1,239
Belgium and Luxembourg-----	1,749	4,507	1,718	4,310	8,637	8,439	3,300	2,306	1,321	861	1,202
Australia-----	-	1,150	642	905	1,827	2,340	429	1,934	121	-	98
Italy-----	2,044	4,791	993	1,501	3,512	2,318	1,081	1,404	994	649	245
Yugoslavia-----	734	399	-	-	118	2,682	902	661	1,352	628	431
Norway-----	130	1,405	165	110	-	-	459	67	1	1	-
West Germany-----	1,674	2,916	855	1,528	3,614	2,403	400	172	420	264	237
Japan-----	61	4/	-	-	1,047	828	358	58	-	-	-
All other-----	1,165	2,211	530	641	2,794	2,407	272	1,633	830	130	912
Total-----	36,755	50,838	34,091	46,669	65,131	64,218	35,620	34,138	29,828	15,324	13,305

1/ Includes zinc blocks, pigs, and slabs, and zinc scrap, dross, and skimmings.

2/ Preliminary.

3/ Less than 1/2 short ton.

4/ Less than \$500.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 25.---Unmanufactured lead, dutiable: U.S. imports for immediate consumption, withdrawals from bonded warehouses, and entries into bonded warehouses, by months, January 1958-June 1961

Year and month	(In short tons of lead content)										Total, all forms			
	Lead-bearing ores, flue dust, and mattes					Lead metal 1/								
	Consumption entry	Warehouse withdrawal	Warehouse entry	Consumption entry	Warehouse withdrawal	Warehouse entry	Warehouse withdrawal	Warehouse entry	Consumption entry	Warehouse withdrawal	Consumption entry	Warehouse withdrawal	Warehouse entry	Warehouse entry
1958:														
January	20,885	31,354	8,357	21,714	144	317			42,599	31,498			8,674	
February	7,468	6,882	7,203	28,878	317	299			28,346	7,199			7,502	
March	14,974	1,135	7,366	32,147					47,121	1,135			7,366	
April	15,017	17,920	2,346	22,384	1,823	126			37,401	19,743			2,472	
May	8,526	4,709	2,795	41,066	34	220			49,592	4,743			3,015	
June	5,284	11,867	8,136	32,758	154	413			38,042	12,021			8,549	
July	5,597	11,330	9,044	20,671	331	202			26,268	11,661			9,246	
August	497	2,168	14,355	23,484	80	516			23,981	2,248			14,871	
September	841	22,236	12,104	38,223	45	2,928			39,364	22,281			15,032	
October	6,974	2,914	9,708	19,739	19	681			26,713	2,933			10,399	
November	11,081	19,211	3,758	17,332	1,369	3,297			28,613	20,580			7,055	
December	6,758	5,672	11,556	24,705	48	10,090			31,463	5,720			21,646	
1959: 2/														
January	7,932	17,353	9,720	16,680	2,464	206			24,612	19,817			11,926	
February	3,207	5,723	6,460	13,540	1,113	806			16,747	6,836			7,266	
March	4,701	2,751	15,327	24,204	3,315	2,740			28,905	6,066			18,067	
April	6,215	16,946	3,118	13,819	3,744	336			20,690	3,454			3,454	
May	2,985	560	1,052	25,507	1,394	342			28,492	1,954			1,394	
June	1,528	1,114	10,728	14,147	990	4,446			15,675	2,104			15,174	
July	9,865	14,094	2,062	22,345	4,725	720			32,210	18,819			2,782	
August	5,401	1,147	502	17,908	1,014	547			23,309	1,161			1,049	
September	2,540	1,115	13,881	10,236		7,783			12,776	1,115			21,664	
October	4,229	12,316	1,908	23,014	4,996	251			23,243	17,312			2,159	
November	10,525	1,701	2,454	20,916	115	1,088			31,441	1,816			3,542	
December	3,508	70	8,804	9,312	420	4,110			12,820	490			12,914	
1960: 2/														
January	10,500	12,753	4,674	15,761	7,742	4,473			26,261	20,495			9,147	
February	4,964	21	6,604	14,140	1,950	2,824			19,104	1,971			9,428	
March	5,733	10	11,473	13,826	972	5,473			19,559	982			16,946	
April	3,222	8,222	5,269	16,750	3,355	4,344			19,972	11,577			9,615	
May	9,230	11,438	4,908	12,067	3,133	1,937			21,297	14,571			6,545	
June	549	3,210	12,398	16,688	3,209	1,223			17,237	6,419			13,621	
July	4,015	21,141	9,168	14,443	3,103	6,614			18,458	24,244			15,782	
August	2,143	2,148	9,280	23,225	1,922	1,654			25,673	4,065			10,934	
September	575	2,607	15,527	8,671	2,749	602			9,246	5,356			16,129	
October	1,871	21,825	8,026	13,847	5,088	672			15,718	26,913			8,668	
November	2,595	4,228	4,383	16,745	3,539	3,038			19,340	7,767			7,421	
December	1,633	2,941	6,222	16,214	504	3,656			17,847	3,445			9,878	
1961: 2/														
January	1,374	19,383	11,582	10,034	4,326	3,330			11,408	23,709			14,912	
February	2,665	2,366	9,690	15,377	57	324			17,423	2,423			10,014	
March	2,655	3,540	9,802	23,854	57	2,317			26,509	4,172			12,119	
April	4,579	16,794	7,745	18,015	5,650	6,486			22,594	22,144			14,231	
May	3,926	2,182	7,088	20,907	96	1,919			24,833	2,278			9,007	
June	1,361	5,403	8,542	10,314	2,274	3,616			11,675	7,682			12,158	

1/ Lead bullion or base bullion, lead in pigs and bars, lead dross, reclaimed lead, antimonial lead, antimonial scrap lead, type metal, and all alloys or combinations of lead, not specially provided for.

2/ Preliminary.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 26.--Unmanufactured zinc, dutiable: U.S. imports for immediate consumption, withdrawals from bonded warehouses, and entries into bonded warehouses, by months, January 1958-June 1961

Year and month	Zinc-bearing ores				Zinc metal ^{1/}				Total			
	Consumption		Warehousing		Consumption		Warehousing		Consumption		Warehousing	
	entry	withdrawal	entry	withdrawal	entry	withdrawal	entry	withdrawal	entry	withdrawal	entry	withdrawal
1958:												
January-----	33,352	27,880	11,945		12,797				46,139		27,880	
February-----	29,242	7,532	19,483		12,990		138		42,232		7,532	
March-----	39,077	7,235	10,516		12,669				51,746		7,235	
April-----	38,808	24,847	4,512		13,637				52,445		24,847	
May-----	29,854	5,726	5,644		11,302				41,156		5,726	
June-----	23,599	10,820	18,490		12,001	56			35,600		10,876	
July-----	15,551	3,223	19,365		8,612				24,163		3,278	
August-----	14,756	3,500	11,556		7,382	55			22,138		3,528	
September-----	20,731	87,871	10,491		16,699	28			37,430		87,871	
October-----	20,206	18,482	3,792		16,981	943			37,187		19,425	
November-----	26,750	7,738	6,206		8,257	234			35,007		7,972	
December-----	36,362	5,424	11,277		13,992				50,354		5,424	
1959: 2/												
January-----	33,701	11,998	16,359		8,214	6,497			41,915		18,495	
February-----	35,449	4,558	15,780		6,260	927			41,709		5,485	
March-----	16,213	5,878	20,592		13,531	59			29,744		5,937	
April-----	23,765	26,306	25,210		6,495	5,719			30,260		32,025	
May-----	32,500	13,793	9,471		10,978	692			43,478		14,485	
June-----	16,875	2,897	28,821		10,500	110			27,375		3,007	
July-----	40,186	21,573	7,473		12,382	5,866			52,568		27,439	
August-----	28,310	2,608	6,330		7,346	166			35,656		2,774	
September-----	7,517	906	24,894		11,738				19,255		906	
October-----	24,032	29,375	14,890		11,087	2,009			35,119		31,384	
November-----	20,552	2,278	17,376		7,629	223			28,181		2,501	
December-----	6,652	12,997	23,518		9,424	220			16,076		13,217	
1960: 2/												
January-----	23,486	41,466	12,668		8,733	1,900			32,219		43,366	
February-----	20,401	6,147	23,044		9,434	235			29,835		6,382	
March-----	10,864	4,035	34,269		12,222	155			22,986		4,190	
April-----	18,370	35,119	20,807		7,396	489			25,766		35,608	
May-----	22,146	9,014	27,111		6,854	27			29,000		9,041	
June-----	6,078	4,741	26,621		15,597				21,675		4,741	
July-----	22,709	37,622	17,956		3,180				25,889		37,622	
August-----	17,674	4,894	18,010		7,766				25,440		4,894	
September-----	8,468	3,013	32,091		16,828				25,296		3,013	
October-----	18,141	36,390	12,250		7,384	920			25,525		37,310	
November-----	24,998	5,323	10,459		11,066				36,084		5,323	
December-----	10,256	1,636	16,799		11,327				21,583		1,636	
1961: 2/												
January-----	12,280	19,909	17,686		6,291	938			18,571		20,847	
February-----	13,964	10,962	15,726		7,298	55			21,262		11,017	
March-----	19,748	8,125	18,896		14,747	704			34,495		8,866	
April-----	13,820	18,306	11,644		7,229	977			21,049		19,283	
May-----	16,950	7,904	16,354		10,468	252			27,418		8,156	
June-----	22,330	9,553	18,785		10,064	500			32,394		10,053	

^{1/} Includes blocks, pigs, or slabs and zinc scrap, zinc dross, and zinc skimmings.

^{2/} Preliminary.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 27.--Unmanufactured lead and zinc: Commercial imports for consumption, industrial consumption, and the ratio of commercial imports to industrial consumption in the United States, annual average 1953-57, annual 1958-60, and January-June of 1960 and 1961

(Quantities in short tons of lead or zinc content)			
Period	Commercial imports <u>1/</u>	Industrial consumption <u>2/</u>	Ratio (percent) imports to industrial consumption
Unmanufactured lead (in ore and metal)			
1953-57 average-----	443,384	1,171,390	37.9
1958-----	529,239	986,387	53.7
1959-----	347,118	1,091,149	31.8
1960-----	354,216	1,021,172	34.7
January-June:			
1960-----	177,354	525,100	33.8
1961-----	177,358	499,100	35.5
Unmanufactured zinc (in ore and metal)			
1953-57 average-----	651,276	1,309,355	49.7
1958-----	661,156	1,142,165	57.9
1959-----	514,114	1,278,518	40.2
1960-----	501,602	1,165,825	43.0
January-June:			
1960-----	253,536	637,694	39.8
1961-----	234,073	571,181	41.0

1/ Data from tables 15 and 16. Data for the period beginning with Oct. 1, 1958 represent imports entered under quotas as compiled by the U.S. Treasury Department.

2/ Data from tables 3 and 4. Data represent industrial consumption of lead or zinc in all forms.