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SILVER, LEAD AND ZINC PRODUCTION

Silver - Output in Canada of primary silver in all forms amounted to 2,402,628 fine ounces in April 1963, compared with 2,574,882 fine ounces in the previous month and with 2,272,855 fine ounces in April 1962.

TABLE 1. Production of Silver (1), 1961 - 63

| Month                   | 1961       | 1962        | 1963 r    |
|-------------------------|------------|-------------|-----------|
|                         |            | fine ounces |           |
| January .....           | 2,597,485  | 2,551,394   | 2,289,478 |
| February .....          | 2,605,595  | 2,065,971   | 2,232,734 |
| March .....             | 2,972,546  | 2,532,930   | 2,574,882 |
| April .....             | 2,516,521  | 2,272,855   | 2,402,628 |
| Total four months ..... | 10,692,147 | 9,423,150   | 9,499,722 |
| May .....               | 2,570,788  | 2,217,612   |           |
| June .....              | 2,893,800  | 2,683,932   |           |
| July .....              | 2,410,226  | 2,848,662   |           |
| August .....            | 2,240,105  | 2,408,070   |           |
| September .....         | 2,389,225  | 3,036,669   |           |
| October .....           | 3,070,234  | 2,737,110   |           |
| November .....          | 2,659,863  | 2,600,833   |           |
| December .....          | 2,455,589  | 2,712,990   |           |
| Totals .....            | 31,381,977 | 30,669,028  |           |

(1) New silver bullion plus recoverable silver in other smelter products and in ores and concentrates exported.

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June 1963  
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TABLE 2. Exports of Refined Silver and Silver in Ores, 1962 and 1963

| Month             | 1962      |                          | 1963      |                          |
|-------------------|-----------|--------------------------|-----------|--------------------------|
|                   | Refined   | In ores and concentrates | Refined   | In ores and concentrates |
| fine ounces       |           |                          |           |                          |
| January .....     | 4,608     | 821,439                  | 1,435,532 | 1,320,572                |
| February .....    | 850,216   | 508,514                  | 671,425   | 428,148                  |
| March .....       | 1,287,889 | 434,030                  | 1,437,549 | 466,502                  |
| April .....       | 905,831   | 549,514                  | 475,277   | 671,395                  |
| Total four months | 3,048,544 | 2,313,497                | 4,019,783 | 2,886,617                |
| May .....         | 63,139    | 648,443                  |           |                          |
| June .....        | 1,342,373 | 779,085                  |           |                          |
| July .....        | 220,785   | 828,484                  |           |                          |
| August .....      | 1,244,190 | 817,435                  |           |                          |
| September .....   | 1,617,177 | 525,050                  |           |                          |
| October .....     | 83,363    | 744,142                  |           |                          |
| November .....    | 903,343   | 958,070                  |           |                          |
| December .....    | 922,180   | 1,187,126                |           |                          |
| Totals .....      | 9,445,094 | 8,801,332                |           |                          |

TABLE 3. Production of Lead, 1962 and 1963

| Month             | Mine output (ores or concentrates lead content) |        | Smelter production plus exported ores (1) |        | Refined production (primary) (2) |        |
|-------------------|---|--------|---|--------|----------------------------------|--------|
|                   | 1962  | 1963   | 1962                                      | 1963   | 1962                             | 1963   |
| tons              |   |        |   |        |                                  |        |
| January .....     | 16,788  | 17,826 | 18,482                                    | 15,919 | 13,092                           | 15,740 |
| February .....    | 13,676  | 16,150 | 16,077                                    | 15,225 | 12,566                           | 12,991 |
| March .....       | 15,235  | 17,067 | 16,913                                    | 17,980 | 14,013                           | 13,367 |
| April .....       | 14,722  | 15,675 | 17,561                                    | 17,583 | 12,199                           | ..     |
| Total four months | 60,421  | 66,718 | 69,033                                    | 66,707 | 51,870                           | ..     |
| May .....         | 19,560  |        | 18,328                                    |        | 13,663                           |        |
| June .....        | 18,499  |        | 19,966                                    |        | 11,638                           |        |
| July .....        | 17,737  |        | 19,534                                    |        | 13,834                           |        |
| August .....      | 18,874  |        | 17,000                                    |        | 13,664                           |        |
| September .....   | 17,576  |        | 14,420                                    |        | 8,646                            |        |
| October .....     | 18,455  |        | 20,248                                    |        | 14,323                           |        |
| November .....    | 20,577  |        | 15,138                                    |        | 13,491                           |        |
| December .....    | 19,622  |        | 17,603                                    |        | 11,088                           |        |
| Totals .....      | 211,321   |        | 211,270                                   |        | 152,217                          |        |

(1) Lead content of new base bullion produced from domestic primary materials (concentrates, slags, residues, etc.) plus estimated recoverable lead in ores and concentrates shipped for export.

(2) Refined pig lead plus lead content of antimonial lead produced from domestic and foreign ores.

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TABLE 4. Exports of Refined Lead and Lead in Ores, by Months, 1963

| Month                   | Lead in ores, concentrates |           | Lead in pigs, blocks (1) and shot |           |
|-------------------------|----------------------------|-----------|-----------------------------------|-----------|
|                         | tons                       | \$        | tons                              | \$        |
| January .....           | 10,432                     | 1,213,220 | 6,923                             | 1,012,577 |
| February .....          | 1,704                      | 249,163   | 7,587                             | 1,115,850 |
| March .....             | 2,018                      | 298,637   | 8,240                             | 1,108,843 |
| April .....             | 2,348                      | 315,662   | 7,289                             | 1,158,514 |
| Total four months ..... | 16,502                     | 2,076,682 | 30,039                            | 4,395,784 |

(1) Excludes antimonial lead and type metal

TABLE 5. Production of Zinc, 1962 and 1963

| Month                   | Mine Output (ores or concentrates zinc content) |         | Refinery Production plus Exported Ores (1) |         | Refined Production (Primary) (2) |        |
|-------------------------|---|---------|--|---------|----------------------------------|--------|
|                         | 1962  | 1963    | 1962                                       | 1963    | 1962                             | 1963   |
|                         | tons  |         |  |         |                                  |        |
| January .....           | 40,914  | 40,857  | 38,096                                     | 36,263  | 22,943                           | 23,999 |
| February .....          | 36,731  | 42,392  | 32,223                                     | 33,758  | 21,881                           | 21,673 |
| March .....             | 42,633  | 42,770  | 35,759                                     | 37,771  | 23,853                           | 25,013 |
| April .....             | 41,530  | 37,590  | 37,483                                     | 36,843  | 23,676                           | 24,368 |
| Total four months ..... | 161,808   | 163,609 | 143,561                                    | 144,635 | 92,353                           | 95,053 |
| May .....               | 44,945  |         | 41,305                                     |         | 24,689                           |        |
| June .....              | 40,872  |         | 41,217                                     |         | 24,048                           |        |
| July .....              | 41,244  |         | 40,781                                     |         | 23,504                           |        |
| August .....            | 44,482  |         | 45,693                                     |         | 23,867                           |        |
| September .....         | 41,266  |         | 38,719                                     |         | 23,405                           |        |
| October .....           | 42,304  |         | 43,236                                     |         | 23,943                           |        |
| November .....          | 44,792  |         | 33,946                                     |         | 21,629                           |        |
| December .....          | 40,224  |         | 34,163                                     |         | 22,720                           |        |
| Totals .....            | 501,937   |         | 462,621                                    |         | 280,158                          |        |

(1) New refined zinc produced from domestic primary materials (concentrates, slags, residues, etc.) plus estimated recoverable zinc in ores and concentrates shipped for export.

(2) Refined zinc produced from domestic and foreign ores.



TABLE 6. Exports of Refined Zinc and Zinc in Ores, by Months, 1963

| Month                   | Zinc in ores,<br>concentrates |           | Zinc in slabs and bars |            |
|-------------------------|-------------------------------|-----------|------------------------|------------|
|                         | tons                          | \$        | Tons                   | \$         |
| January .....           | 20,889                        | 1,662,782 | 16,966                 | 3,299,627  |
| February .....          | 12,364                        | 1,042,641 | 11,523                 | 2,381,844  |
| March .....             | 11,682                        | 918,643   | 19,855                 | 3,905,780  |
| April .....             | 10,178                        | 832,297   | 17,701                 | 3,541,269  |
| Total four months ..... | 55,113                        | 4,456,363 | 66,045                 | 13,128,520 |

TABLE 7. Consumption (1) of Refined Zinc, 1962 and 1963

| Month                   | Refined zinc |        |
|-------------------------|--------------|--------|
|                         | 1962         | 1963   |
|                         | tons         |        |
| January .....           | 5,063        | 5,348  |
| February .....          | 5,647        | 5,552  |
| March .....             | 7,093        | 5,542  |
| April .....             | 3,504        | 8,353  |
| Total four months ..... | 21,307       | 24,795 |
| May .....               | 8,686        |        |
| June .....              | 5,890        |        |
| July .....              | 5,371        |        |
| August .....            | 5,951        |        |
| September .....         | 5,540        |        |
| October .....           | 7,342        |        |
| November .....          | 5,707        |        |
| December .....          | 5,021        |        |
| Totals .....            | 70,815       |        |

(1) Producers' shipments to domestic consumers.