### WORLD COPPER PRODUCTION AND WORLD CONSUMPTION OF REFINED COPPER WORLD MINE PRODUCTION ESTIMATED BY U.S.B.M.

# CONSUMPTION OF REFINED COPPER (PRIMARY & SECONDARY) ESTIMATED BY COPPER INSTITUTE FOR AMERICAN BUREAU OF METAL STATISTICS (In Tons of 2000 Lbs.)

POPULATION SOURCE - Rough Estimate from World Almanac

Note: Mine Production Estimated by United States Bureau of Mines Consumption Estimated by Copper Institute & American Bureau of Metal Statistics

#### Compiled By

Arizona Department of Mineral Resources Mineral Bldg., Fairgrounds, Phoenix, Arizona, 85007

Frank P. Knight, Director Frank J. Tuck, Statistical Consultant

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|   | SUMMARY |   |   |
|---|---------|---|---|
| TIME THE COMMENT OF   | 1955    | 1960  | 1964  |
| Population Mine Production Consumption Per Capita Consumption Per Gapita Consumption Lbs                                      |         | 179,323,000<br>1,080,169<br>1,349,896<br>0.00753<br>15.06 | 192,000,000<br>1,246,780<br>1,808,763<br>0.00942<br>18,84 |
| TOTAL AMERICAS  Population Mine Production Consumption Per Capita Consumption Ton Per Capita Consumption Lbs                  |         | 348,000,000<br>2,401,414<br>1,567,049<br>0,00450<br>9,00  | 359,200,000<br>2,717,030<br>2,189,758<br>0.00610<br>12,20 |
| TOTAL FREE EUROPE Population Mine Production Consumption Per Capita Consumption Ton Per Capita Consumptions Lbs               |         | 418,000,000<br>725,000<br>2,093,721<br>0.00501<br>10.02   | 439,000,000<br>1,020,000<br>2,391,311<br>0.00545<br>10.90 |
| TOTAL FREE ASIA & AUSTRALIA  Population  Mine Production  Consumption  Per capita Consumption Ton  Per Capita Consumption Lbs |         | 529,000,000<br>261,000<br>489,400<br>0.00093<br>1.86      | 600,000,000<br>280,000<br>695,000<br>0.00116<br>2.32      |

#### SUMMARY (Continued)

|                           | 1955   | 1960   | 1964   |
|---------------------------|--|--|--|
| TOTAL AFRICA              |  |  |  |
| Population                | 200,000,000  | 230,000,000  | 296,000,000  |
| Mine Production           | 731,069  | 1,078,388  | 1,193,695  |
| Consumption               | 22,535   | 33,936   | 54,134   |
| Per Capita Consumption To | *  | 0.00015  | 0.00018  |
| Per Capita Consumption Lb | s. 0.22  | 0.30   | 0.36   |
| TOTAL FREE WORLD          |  |  |  |
| Population                | 1,412,000,000  | 1,525,000,000  | 1,694,000  |
| Mine Production           | 3,345,262  | 4,465,802  | 5,210,725  |
| Consumption               | 3,466,992  | 4,184,106  | 5,330,203  |
| Per Capita Consumption '  | Tons 0.00245   | 0,00274  | 0.00315  |
| Per Capita Consumption Li | bs. 4.90   | 5.48   | 6.30   |
|                           | ic of China) 850,000,000 451,300 429,900 ons 0.00051 os. 1.02      | 947,000,000<br>640,500<br>839,664<br>0.00089<br>1.78       | 1,000,000,000<br>1,020,000<br>1,120,000<br>0,00112<br>2,24 |
|                           | 2,262,000,000<br>3,796,562<br>3,876,892<br>ons 0.00171<br>os. 3.42 | 2,472,000,000<br>5,106,302<br>5,023,770<br>0.00203<br>4.06 | 2,694,000,000<br>6,230,725<br>6,450,203<br>0.00240<br>4.80 |

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Note: Mine Production Estimated by United States Bureau of Mines Consumption Estimated by Copper Institute & American Bureau of Metal Statistics

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|  | SUMMARY |   |   |
|--|---------|---|---|
| TINTE MED COMA MED C   | 1955    | 1960  | 1964  |
| Population Mine Production Consumption Per Capita Consumption Per Gapita Consumption Lbs                                 |         | 179,323,000<br>1,080,169<br>1,349,896<br>0.00753<br>15,06 | 192,000,000<br>1,246,780<br>1,808,763<br>0.00942<br>18,84 |
| TOTAL AMERICAS  Population  Mine Production  Consumption  Per Capita Consumption Tor  Per Capita Consumption Lbs         |         | 348,000,000<br>2,401,414<br>1,567,049<br>0.00450<br>9.00  | 359,200,000<br>2,717,030<br>2,189,758<br>0,00610<br>12,20 |
| TOTAL FREE EUROPE Population Mine Production Consumption Per Capita Consumption Ton Per Capita Consumptions Lbs          |         | 418,000,000<br>725,000<br>2,093,721<br>0.00501<br>10.02   | 439,000,000<br>1,020,000<br>2,391,311<br>0.00545<br>10.90 |
| TOTAL FREE ASIA & AUSTRALIA Population Mine Production Consumption Per capita Consumption Ton Per Capita Consumption Lbs |         | 529,000,000<br>261,000<br>489,400<br>0.00093<br>1.86      | 600,000,000<br>280,000<br>695,000<br>0.00116<br>2.32      |

#### SUMMARY (Continued)

| MOMAT. ADD TO                         |      | 1955               | 1960                   | 1964                 |
|---------------------------------------|------|--------------------|------------------------|----------------------|
| TOTAL AFRICA Population               |      | 200,000,000        | 230,000,000            | 296,000,000          |
| Mine Production                       |      | 731,069            | 1,078,388              | 1,193,695            |
| Consumption                           |      | 22,535             | 33,936                 | 54,134               |
| Per Capita Consumption                | Tons | 0.00011            | 0.00015                | 0.00018              |
| Per Capita Consumption                |      | 0.22               | 0.30                   | 0.36                 |
| TOTAL FREE WORLD                      |      |                    | •                      |                      |
| Population                            | 1    | 412,000,000        | 1 525 000 000          | 1 (0) 000            |
| Mine Production                       | Ι,   | 3,345,262          | 1,525,000,000          | 1,694,000            |
| Consumption                           |      | 3,466,992          | 4,465,802<br>4,184,106 | 5,210,725            |
| Per Capita Consumption                | Tons |                    | 0,00274                | 5,330,203<br>0,00315 |
| Per Capita Consumption                | Lbs. | 4.90               | 5.48                   | 6.30                 |
| •                                     |      |                    | 3,40                   | 0.30                 |
|                                       |      |                    |                        |                      |
| COMMUNIST CONTROLLED                  |      |                    |                        |                      |
| (Includes People's Repu<br>Population |      |                    | 24.7 222 222           |                      |
| Mine Production                       | •    | 850,000,000        | 947,000,000            | 1,000,000,000        |
| Consumption                           |      | 451,300<br>429,900 | 640,500                | 1,020,000            |
| Per Capita Consumption                | Tons | 0.00051            | 839,664                | 1,120,000            |
| Per Capita Consumption                | Lbs. | 1.02               | 0.00639                | 0.00112              |
| Tot oa, tta oonsumption               | HUS. | 1.02               | 1.78                   | 2.24                 |
|                                       |      |                    |                        |                      |
| TOTAL WORLD                           |      |                    |                        |                      |
| Population                            | 2,2  | 262,000,000        | 2,472,000,000          | 2,694,000,000        |
| Mine Production                       |      | 3,796,562          | 5,106,302              | 6,230,725            |
| Consumption                           |      | 3,876,892          | 5,023,770              | 6,450,203            |
| Per Capita Consumption                | Tons | 0.00171            | 0.00203                | 0.00240              |
| Per Capita Consumption                | Lbs. | 3.42               | 4.06                   | 4.80                 |
|                                       |      |                    |                        |                      |

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|  | SUMMARY  |   |   |
|--|--|---|---|
| THE PROPERTY OF THE PROPERTY O | 1955   | 1960  | 1964  |
| UNITED STATES  Population  Mine Production  Consumption  Per Capita Consumption  Per Gapita Consumption  Lbs.  | •  | 179,323,000<br>1,080,169<br>1,349,896<br>0.00753<br>15.06 | 192,000,000<br>1,246,780<br>1,808,763<br>0.00942<br>18.84 |
| TOTAL AMERICAS  Population Mine Production Consumption Per Capita Consumption Tons Per Capita Consumption Lbs.   |  | 348,000,000<br>2,401,414<br>1,567,049<br>0.00450<br>9.00  | 359,200,000<br>2,717,030<br>2,189,758<br>0.00610<br>12.20 |
| TOTAL FREE EUROPE Population Mine Production Consumption Per Capita Consumption Tons Per Capita Consumptions Lbs.  |  | 418,000,000<br>725,000<br>2,093,721<br>0.00501<br>10.02   | 439,000,000<br>1,020,000<br>2,391,311<br>0.00545<br>10.90 |
| TOTAL FREE ASIA & AUSTRALIA  Population Mine Production Consumption Per capita Consumption Tons Per Capita Consumption Lbs.  | 479,000,000<br>163,000<br>197,100<br>0.00041<br>0.82 | 529,000,000<br>261,000<br>489,400<br>0.00093<br>1.86      | 600,000,000<br>280,000<br>695,000<br>0.00116<br>2.32      |

#### SUMMARY (Continued)

|                         |         | 1955                 | 1960  | 1964          |
|-------------------------|---------|----------------------|---|---------------|
| TOTAL AFRICA            |         |                      | First To retire of retail Three lengths with a service of process |               |
| Population              |         | 200,000,000          | 230,000,000   | 296,000,000   |
| Mine Production         |         | 731,069              | 1,078,388   | 1,193,695     |
| Consumption             |         | 22,535               | 33,936  | 54,134        |
| Per Capita Consumption  |         | 0.00011              | 0.00015   | 0.00018       |
| Per Capita Consumption  | Lbs.    | 0.22                 | 0.30  | 0.36          |
|                         |         |                      |   |               |
| TOTAL FREE WORLD        |         |                      |   |               |
| Population              | 1       | 412,000,000          | 1 525 000 000   | 7 (0) 000     |
| Mine Production         | Ι,      |                      | 1,525,000,000   | 1,694,000     |
| Consumption             |         | 3,345,262            | 4,465,802   | 5,210,725     |
| Per Capita Consumption  | Tons    | 3,466,992<br>0.00245 | 4,184,106   | 5,330,203     |
| Per Capita Consumption  | Lbs.    | 4.90                 | 0,09274   | 0.00315       |
| rer capita consumption  | LDS.    | 4.90                 | 5.48  | 6.30          |
|                         |         |                      |   |               |
| COMMUNIST CONTROLLED    |         |                      |   |               |
| (In ludes People's Repu | blic of | China)               |   |               |
| Population              |         | 350,000,000          | 947,000,000   | 1,000,000.000 |
| Mine Production         |         | 451,300              | 640,500   | 1,020,000     |
| Consumption             |         | 429,900              | 839,664   | 1,120,000     |
| Per Capita Consumption  | Tons    | 0.00051              | 0.00089   | 0.00112       |
| Per Capita Consumption  | Lbs.    | 1.02                 | 1.78  | 2,24          |
|                         |         |                      |   | •             |
| TOTAL WORLD             |         |                      |   |               |
| Population              | 2 2     | 62 000 000           | 0 1/70 000 000  |               |
| Mine Production         | 2,2     | 262,000,000          | 2,472,000,000   | 2,694,000,000 |
| Consumption             |         | 3,796,562            | 5,106,302   | 6,230,725     |
| Per Capita Consumption  | Tome    | 3,876,892            | 5,023,770   | 6,450,203     |
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