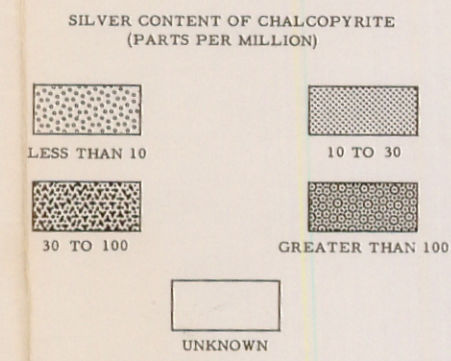


EXPLANATION

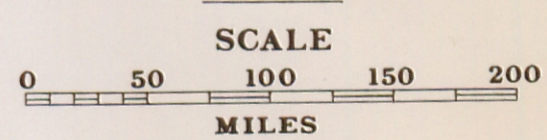


LEGEND

| MINING DISTRICT                           | AVERAGE SILVER CONTENT (PPM) |
|-------------------------------------------|------------------------------|
| UNITED STATES                             |                              |
| ARIZONA                                   |                              |
| 1 WALLAPAI (CHLORIDE, MINERAL PARK)       | 900                          |
| 2 CEDAR VALLEY                            | 500                          |
| 3 EUREKA (BAGDAD)                         | 10                           |
| 4 VERDE (JEROME)                          | 40                           |
| 5 PECK                                    | 4000                         |
| 6 BRADSHAW                                | 600                          |
| 7 MINNEHAHA                               | 20                           |
| 8 SWANSEA (SANTA MARIA)                   | 2                            |
| 9 GREEN VALLEY (PAYSON)                   | 2000                         |
| 10 MIAMI                                  | 40                           |
| 11 GLOBE                                  | 10                           |
| 12 SUMMIT                                 | 80                           |
| 13 PIONEER (SUPERIOR)                     | 40                           |
| 14 COPPER MOUNTAIN (MORENCI)              | 50                           |
| 15 MINERAL CREEK (RAY)                    | 50                           |
| 16 BANNER (CHRISTMAS)                     | 10                           |
| 17 STANLEY                                | 1                            |
| 18 BUNKER HILL (COPPER CREEK)             | 4                            |
| 19 MAMMOTH, TIGER, SAN MANUEL             | 20                           |
| 20 SILVER BELL                            | 100                          |
| 21 AJO                                    | 60                           |
| 22 GUNSIGHT (MEYER)                       | 200                          |
| 23 AMOLE (TUCSON MOUNTAINS)               | 6                            |
| 24 COCHISE (JOHNSON)                      | 6                            |
| 27 PIMA (MINERAL HILL, TWIN BUTTES)       | 100                          |
| 28 HELVETIA                               | 300                          |
| 33 WARREN (HISBEE)                        | 50                           |
| 35 PATAGONIA, DUQUESNE                    | 60                           |
| CALIFORNIA                                |                              |
| 36 AFTERTHOUGHT (INGOT)                   | 1                            |
| 37 LIGHTS CANYON (ENGEL)                  | 1000                         |
| 38 NEVADA CITY (GRASS VALLEY)             | 40                           |
| 40 FAIRPLAY                               | 40                           |
| 41 PINE CREEK                             | 100                          |
| 44 ARGUS RANGE                            | 100                          |
| 45 WOODY                                  | 20                           |
| 47 CIMA                                   | 30                           |
| 48 ORD                                    | 7                            |
| 50 TUTUNGA                                | 2000                         |
| 51 CRESTMORE                              | 800                          |
| 52 JULIAN                                 | 3                            |
| 53 CARGO MICHACHO (OCEILBY)               | 1000                         |
| COLORADO                                  |                              |
| 54 WARD                                   | 3000                         |
| 55 KREMMLING                              | 50                           |
| 56 CENTRAL CITY (BLACKHAWK)               | 30                           |
| 57 IDAHO SPRINGS                          | 1000                         |
| 58 GRIFFITH (GEORGETOWN)                  | 2000                         |
| 60 RED CLIFF (BATTLE MOUNTAIN, GILMAN)    | 100                          |
| 62 FREMONT PASS (CLIMAX)                  | 60                           |
| 65 ROARING FORK (ASPEN)                   | 200                          |
| 67 CEDOLLA (VULCAN)                       | 70                           |
| 69 UNCOMPAHGRE (GURAY)                    | 800                          |
| 70 SNEFFELS (MOGENE BASIN)                | 7                            |
| 72 IRON SPRINGS (OPHIR)                   | 300                          |
| 74 ANIMAS (SILVERTON)                     | 200                          |
| 75 PIONEER (RICO)                         | 30                           |
| NEW MEXICO                                |                              |
| 76 WILLOW CREEK (PECOS)                   | 40                           |
| 78 SAN PEDRO                              | 300                          |
| 79 MAGDALENA (KELLY)                      | 600                          |
| 80 NOGAL (SIERRA BLANCA)                  | 30                           |
| 82 HERMOSA (PALOMAS)                      | 10000                        |
| 83 FIERRO-HANOVER                         | 100                          |
| 84 STEEPLE ROCK                           | 100                          |
| 85 SANTA RITA                             | 40                           |
| 88 OROGRANDE (JARRILLA)                   | 30                           |
| 89 ORGAN                                  | 90                           |
| 90 LORDSBURG (VIRGINIA)                   | 100                          |
| 91 EUREKA (HACHITA)                       | 90                           |
| NEVADA                                    |                              |
| 92 MOUNTAIN CITY (COPE, VAN DUZER)        | 6                            |
| 93 JACKSON CREEK                          | 2                            |
| 94 TUSCARORA                              | 400                          |
| 98 SAFFORD (PALISADE)                     | 2000                         |
| 99 RAILROAD (BULLION)                     | 100                          |
| 102 BULLION (CAMPBELL, LANDER, TENABO)    | 1000                         |
| 103 DOLLY VARDEN (MIZZPAH, GRANITE)       | 100                          |
| 110 REESE RIVER (AUSTIN)                  | 100                          |
| 112 COMSTOCK (VIRGINIA CITY, SILVER STAR) | 3000                         |
| 113 ELY (ROBINSON)                        | 50                           |
| 115 BUCKSKIN                              | 500                          |
| 116 YERINGTON (MASON)                     | 10                           |
| 117 GARDNERVILLE (EAGLE)                  | 80                           |
| 120 SANTA FE (LUNING)                     | 100                          |
| 123 SILVER STAR (GOLD RANGE, MINA)        | 90                           |
| 125 TONOPAH                               | 1000                         |
| 126 JACK RABBIT (BRISTOL)                 | 300                          |
| 129 TEM PUUTE                             | 100                          |
| 130 BULLFROG (BEATTY, RHYOLITE)           | 50                           |
| 131 COPPER KING (BUNKERVILLE, KEY WEST)   | 10                           |
| 133 ELDOURADO (NELSON)                    | 3000                         |
| UTAH                                      |                              |
| 135 UNTA (PARK CITY)                      | 400                          |
| 136 BINGHAM (WEST MOUNTAIN)               | 100                          |
| 137 AMERICAN FORK                         | 20                           |
| 138 OPHIR                                 | 800                          |
| 139 GOLD HILL (CLIFTON)                   | 200                          |
| 141 SAN RAFAEL                            | 1                            |
| 142 FRISCO                                | 10                           |
| 143 WHITE CANYON                          | 200                          |
| MONTANA                                   |                              |
| 172 BUTTE                                 | 90                           |
| MEXICO                                    |                              |
| CHIHUAHUA                                 |                              |
| 145 TEMOSACHIC, GUERRERO                  | 400                          |
| 146 MAGISTRAL, ITURBIDE                   | 20                           |
| 147 SAN DIEGO, ITRUBIDE                   | 100                          |
| 149 GUERRERO, GUERRERO                    | 30                           |
| 152 LOS REYES, JIMENEZ                    | 60                           |
| 153 EL PARRAL, HIDALGO                    | 200                          |
| 154 ALISOS, ANDRES DEL RIO                | -                            |
| DURANGO                                   |                              |
| 159 REINA DE COBRE, CUENCAME              | 100                          |
| 160 SAN LUCAS, SAN JUAN DEL RIO           | 80                           |
| 162 TAYOLTITA, SAN DIMAS                  | 50                           |
| SAN LUIS POTOSI                           |                              |
| 163 MATEHUALA, CATORCE                    | 60                           |
| SONORA                                    |                              |
| 165 CANANEA, ARISPE                       | 50                           |
| 166 NACOZARI, ARISPE                      | 40                           |
| 167 SANTA DOMINGO, ARISPE                 | 7                            |
| 168 SANTA BARBARA, HERMOSILLO             | 3                            |
| 169 SAN JAVIER, HERMOSILLO                | -                            |
| ZACATECAS                                 |                              |
| 170 SAIN ALTO, SOMBRERETE                 | 2000                         |
| 171 SOMBRERETE, SOMBRERETE                | 2000                         |

A SHORT DASH (-) INDICATES THAT THE AVERAGE SILVER CONTENT OF CHALCOPYRITE IN THE DISTRICT IS LESS THAN ONE PART PER MILLION.

SILVER CONTENT  
OF  
CHALCOPYRITE



PREPARED BY C.W. BURNHAM  
OCTOBER 1954