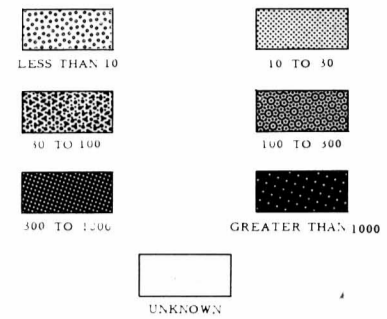


EXPLANATION

TIN CONTENT OF CHALCOPYRITE (PARTS PER MILLION)



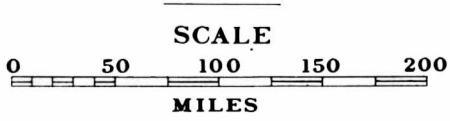
LEGEND

MINING DISTRICT AVERAGE TIN CONTENT (PPM)

MINING DISTRICT	AVERAGE TIN CONTENT (PPM)
UNITED STATES	
ARIZONA	
1 WALLAPAI (CHLORIDE, MINERAL PARK)	200
2 CEDAR VALLEY	800
3 EUREKA (BAGDADI)	400
4 VERDE (LEROME)	200
5 PECK	100
6 BRADSHAW	10
7 MINSHAWA	10
8 SWANSEA (SANTA MARIA)	10
9 GREEN VALLEY (PAYSON)	800
10 MIAMI	200
11 GLOHE	200
12 SUMMIT	50
13 PIONEER (SUPERIOR)	30
14 COPPER MOUNTAIN (MORENCI)	3
15 MINERAL CREEK (IRAY)	40
16 BANNER (CHRISTMAS)	10
17 STANLEY	6
18 BUNKER HILL (COPPER CREEK)	70
19 MAMMOTH, TIGER, SAN MANUEL	10
20 SILVER BELL	4
21 AJO	20
22 GUNSLIGHT (MEYER)	10
23 ANGLE (TUCSON MOUNTAINS)	10
24 COCHISE (JOHNSON)	20
27 P.M. (MINERAL HILL, TWIN BUTTES)	40
28 HELVETIA	100
33 WARREN (HISBEE)	200
35 PATAGONIA, DUQUESNE	10
CALIFORNIA	
36 AFERTHOUGHT (INGOT)	10
37 LIGHTS CANYON (ENGEL)	20
38 NEVADA CITY (GRASS VALLEY)	10
40 FAIRPLAY	20
41 PINE CREEK	10
44 ARGUS RANGE	10
45 WOODY	100
47 CIMARRON	1000
48 ORD	10
50 TUJUNGA	10
51 CRESTMORE	40
52 JULIAN	100
53 CARGO MICHACHO (OGILBY)	10
COLORADO	
54 WARD	50
55 KREMMLING	100
56 CENTRAL CITY (BLACKHAWK)	100
57 IDAHO SPRINGS	10
58 GRIP FITH (GEORGETOWN)	10
60 RED CLIFF (BATTLE MOUNTAIN, GILMAN)	1000
62 FREMONT PASS (CLIMAX)	800
65 ROARING FORK (ASPEN)	100
67 GIBBONS (VULCAN)	2000
69 UNGOMP (HICKS (OURAY))	100
70 SNEFFELS (IMOGINE BASIN)	10
72 IRON SPRINGS (OPHIR)	10
74 ANIMAS (SILVERTON)	10
75 PIONEER (RICO)	2000
NEW MEXICO	
76 WILLOW CREEK (PECOS)	6
78 SAN PEDRO	10
79 MAGDALENA (KELLY)	10
80 NOGAL (SIERRA BLANCA)	10
82 HERMOSA (PALOMAS)	2
83 TIERRA-HAMBER	10
84 STEEPLE ROCK	2
85 SANTA RITA	7
88 GROSSE (GARRILL)	3
89 ORGAN	10
90 LORDSBURG (VIRGINIA)	2
91 EUREKA (HAGHTA)	10
NEVADA	
92 MOUNTAIN CITY (COPE, VAN DUSER)	30
93 JACKSON CREEK	10
94 TUSCARORA	40
96 SIFFORD (PALISADE)	10
99 RULIFORD (BULLION)	400
102 JULLION (CAMPBELL, LANDER, TENABO)	200
103 DOLLY VARDEN (MIZPAH, GRANITE)	4
109 REED RIVER (LUSTINE)	200
112 COMSTOCK (VIRGINIA CITY, SILVER STAR)	10
113 ELY (ROBINSON)	40
115 BUGSKIN	8
116 YERINGTON (MASON)	10
117 GARDNERVILLE (EAGLE)	10
120 SANTA FE (LEWING)	10
123 SILVER STAR (GOLD RANGE, MINA)	5
125 TONOPAH	10
126 JACK RABBIT (BRISTOL)	10
129 TEM PIUTE	100
130 BULLFROG (BEATTY, RHYOLITE)	20
131 COPPER KING (DUNKERVILLE, KEY WEST)	7
133 ELDORADO (NELSON)	10
UTAH	
135 UINFA (PARK CITY)	10
136 BINGHAM (WEST MOUNTAIN)	400
137 AMERICAN FORK	40
138 OPHIR	100
139 GOLD HILL (CLIFTON)	40
141 SAN RAFAEL	7
142 FRISCO	7
143 WHITE CANYON	10
MONTANA	
172 BUTTE	30
MEXICO	
CHIHUAHUA	
145 TEMOSACHIC, GUERRERO	10
146 MAGISTRAL, ITURBIDE	10
147 SAN DIEGO, ITURBIDE	5000
149 GUERRERO, GUERRERO	10
152 LOS REYES, JIMENEZ	10
153 EL PARRAL, HIDALGO	10
154 ALISOS, ANDRES DEL RIO	5
DURANGO	
159 REINA DE COBRE, CUENCA	9
160 SAN LUCAS, SAN JUAN DEL RIO	300
162 TAYOLITIA, SAN DIMAS	10
SAN LUIS POTOSI	
163 MATEHUALA, GATORCE	1000
SONORA	
165 CANANEA, ARISPE	10
166 NACOZARI, ARISPE	10
167 SANTA DOMINGO, ARISPE	80
168 SANTA BARBARA, HERMOSILLO	10
169 SAN JAVIER, HERMOSILLO	10
ZACATECAS	
170 SAN ALTO, SOMBRERETE	2000
171 SOMBRERETE, SOMBRERETE	40

A SHORT DASH (-) INDICATES THAT TIN WAS NOT DETECTED IN ANY OF THE CHALCOPYRITE SAMPLES FROM THE DISTRICT.

TIN CONTENT OF CHALCOPYRITE



PREPARED BY C. W. BURNHAM
OCTOBER 1954