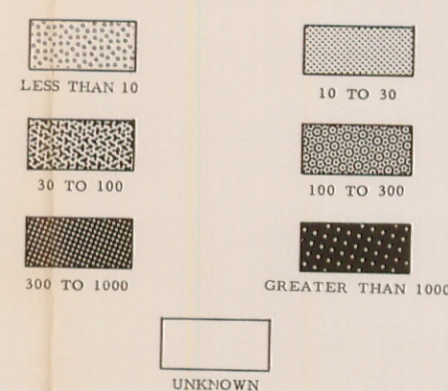


EXPLANATION

GERMANIUM CONTENT OF SPHALERITE
(PARTS PER MILLION)



LEGEND

MINING DISTRICT AVERAGE GERMANIUM CONTENT (PPM)

UNITED STATES	
ARIZONA	
1 WALLAPAI (CHLORIDE, MINERAL PARK)	-
2 CEDAR VALLEY	-
3 EUREKA (BAGDAD)	10
4 VERDE (JEROME)	50
5 PECK	-
6 BRADSHAW	-
12 SUMMIT	-
13 PIONEER (SUPERIOR)	4
14 COPPER MOUNTAIN (MORENCI)	-
19 MAMMOTH, TIGER, SAN MANUEL	-
20 SILVER BELL	-
25 DRAGON	-
26 CALIFORNIA (PARADISE, CHIRICAHUA)	-
27 PIMA (MINERAL HILL, TWIN BUTTES)	-
29 TOMBSTONE	1
30 TYNDALL (AZTEC)	-
31 HARSHAW	20
32 ORO BLANCO	-
33 WARREN (BISBEE)	-
34 HEREFORD	-
35 PATAGONIA, DUQUESNE	-
CALIFORNIA	
39 OPHIR (AUBURN)	-
42 CERRO GORDO	40
43 DARWIN	-
46 SARATOGA (TECOPA MOUNTAIN)	-
49 ORO GRANDE	-
51 CRESTMORE	-
COLORADO	
54 WARD	-
55 KREMMLING	-
57 IDARO SPRINGS	30
58 GRIFFITH (GEORGETOWN)	-
59 MONTEZUMA (SNAKE RIVER)	20
60 RED CLIFF (BATTLE MOUNTAIN, GILMAN)	-
61 TEMPLE (KOKOMO, ROBINSON)	-
63 LEADVILLE (CALIFORNIA)	-
64 SUCKSKIN (ALMA)	-
66 ELK MOUNTAIN	-
68 KERBER CREEK (BONANZA)	50
69 UNCOMPAHRE (OURA)	-
70 SNEFFELS (MOGENE BASIN)	-
71 EUREKA	-
72 IRON SPRINGS (OPHIR)	-
73 CREEDE (SUNNYSIDE)	-
74 ANIMAS (SILVERTON)	-
75 PIONEER (RICO)	-
NEW MEXICO	
76 WILLOW CREEK (PECOS)	-
77 CERRILLOS	2
79 MAGDALENA (KELLY)	-
80 NOGAL (SIERRA BLANCA)	-
81 MOGOLLON (COONEY)	-
82 HERMOSA (PALOMAS)	-
83 TIERRA-HANOVER	-
84 STEEPLE ROCK	-
85 SANTA RITA	-
86 BURRO MOUNTAINS (TYRONE)	-
87 COOKS PEAK	-
89 ORGAN	-
90 LORENSBURG (VIRGINIA)	-
NEVADA	
95 DONNELLY (GERLACH)	-
96 SIERRA (DUN GLEN, ORO FINO)	-
97 IMLAY (HUMBOLDT, ELDORADO)	-
98 SAFFORD (PALISADE)	-
100 LEWIS (DEAN, MUD SPRINGS)	-
101 KENNEDY	-
102 BULLION (CAMPBELL, LANDER, TENABO)	-
104 MINERAL HILL	400
105 PYRAMID	40
106 ROBERTS (ROBERTS CREEK)	1000
107 CHERRY CREEK (EGAN CANYON)	-
108 WEDERINO	2
109 PEAVINE (RENO, CRYSTAL HILL)	200
111 EUREKA (PINTO, PROSPECT)	-
114 ANTELOPE (ROBERTS)	7
117 GARDNERVILLE (EAGLE)	80
118 DUCKWATER	-
119 GARFIELD	-
121 CEDAR MOUNTAIN (BELL, OMCO, SIMON)	-
122 BELMONT (PHILADELPHIA)	-
124 TYHO (HOT CREEK)	-
127 POCHE (ELY)	300
128 GOLDFIELD	70
129 TEN PRUTE	3
132 YELLOW PINE (GOODSPRINGS)	600
UTAH	
134 BIG COTTONWOOD	40
135 UINTA (PARK CITY)	-
136 BINGHAM (WEST MOUNTAIN)	-
138 OPHIR	-
140 TINTIC	20
142 FRISCO	-
MEXICO	
BAJA CALIFORNIA	
144 EL TRIUNFO, SAN ANTONIO	-
CHIHUAHUA	
147 SAN DIEGO, ITURBIDE	-
148 SANTA EULALIA, ITURBIDE	-
149 GUERRERO, GUERRERO	-
150 MEQUI (GUADALUPE), CAMARGO	200
151 NAICA, CAMARGO	-
152 LOS REYES, JIMENEZ	-
153 EL PARRAL, HIDALGO	-
155 SANTA BARBARA, HIDALGO	57
DURANGO	
156 FENOLES, MAPIMI	-
157 LAS VACAS, NOMBRE DE DIOS	-
158 TENERAS, GUERCAME	-
159 REINA DE COBRE, GUERCAME	-
160 SAN LUCAS, SAN JUAN DEL RIO	-
161 PANUCO DE CORONADO, SAN JUAN DEL RIO	-
SAN LUIS POTOSI	
164 CHARCAS, VENADO	-
SONORA	
165 CANANEA, ARIPE	-
166 NACOTARI, ARIPE	-
ZACATECAS	
170 SAIN ALTO, SOMBRERETE	-
171 SOMBRERETE, SOMBRERETE	-

A SHORT DASH (-) INDICATES THAT GERMANIUM WAS NOT DETECTED IN ANY OF THE SPHALERITE SAMPLES FROM THE DISTRICT. A PLUS SIGN (+) INDICATES THAT THE AVERAGE GERMANIUM CONTENT IS GREATER THAN THE AMOUNT STATED.

GERMANIUM CONTENT OF SPHALERITE



PREPARED BY C. W. BURNHAM
OCTOBER 1954