



EXPLANATION

1. Q, mu, bi, cli.
2. Q, wo, ga, di.
3. ga, ido, cal, di, wo.
4. chert
5. hbde, mi, Q.
6. Q, fldsp, cli, pyrite
7. Q, mu, bi, mi
Q, bi, hbde, pl
8. Q, hbde, mi, cli
9. and, mu, bi
10. wo, ga, di, pl
11. chert
12. Q, mu, bi, and
13. Q, mu
14. Q, bi, amph.
15. Q, bi, mu
16. Q, bi, mu
17. Q, bi, mu, and
18. di, wo, ga, cal
19. cal, wo, di
20. cummingtonite,
anthophyllite,
zoisite
21. Q, bi, mu, chl
22. Q, cal, amph,
carbon
23. Q, cal, amph, mu,
fldsp
24. Q, mu
25. Q, wo, di, ga
26. Q, cal, ga
27. Q, di, wo, pl, mi
28. cal, ido, wo, di
29. Q, wo, di, ga
30. wo, cal, ga
31. Q, di, wo
32. Q, bi, mu
33. Q, di, wo, mi
34. cal, di, wo
35. chert
36. Q, ga, di, wo, cli
37. Q, mu, bi, and
38. Q, cal, mu, pl,
graphite
39. hedenbergite,
sphalerite
40. Q, di, wo, cli,
fluorite
41. Q, wo, di, mi
42. Q, di, amph, pl, mi
43. Q, di, ga, wo
Q, bi, amph, pl
44. wo, di, ido
Q, di, wo, ga
45. wo, di, ido
46. Q, ga, di, hbde,
axinite
47. ga, epi, hbde, mi, pl
48. Q, epi
49. Q, mi, bi, mu, pl,
tourmaline

Dana sequence

Koip sequence

50. Q, cal, mu, carbon
51. Q, di, ga
52. Q, cal, di, ga, pl,
zoisite
53. di, cli, apatite
54. Q, di, pl, mi
Q, di, ga, mi
55. Q, epi, amph
56. Q, epi, amph
57. Q, bi, fldsp
58. Q, bi, epi, chl.
59. Q, bi, fldsp
60. hbde, pl, mi,
scapolite, sphene
61. hbde, pl, mi, ga,
scapolite
62. bi
63. hbde, pl, mi, epi
64. bi
65. hbde, pl, mi, di
66. Q, amph, epi,
scapolite
67. Q, cal, fldsp, epi, di
68. Q, mu, pl, cordierite
69. hbde, pl
70. bi, mu, chl
71. Q, bi, hbde, pl,
clinozoisite
72. hbde, cal, pl, mi, epi
73. mu, cordierite
amph, mi, di, pl, epi,
scapolite
74. mu
75. gabbro, amph
76. hbde, bi, pl, epi
77. amph, epi
78. Q, mu, bi, and
79. Q, bi, mu, pl, cli
80. Q, mu, bi, pl, cal
Q, bi, pl, cli
81. Q, mu, bi, pl, fldsp
82. Q, bi, pl, tourmaline
83. Q, bi, pl, cli, fldsp,
tourmaline
84. Q, bi, mu, pl, cli,
tourmaline
85. Q, bi, mu, pl, mi, ga
Q, hbde, pl, di, ga
Q, mi, ga
86. mu, bi, pl, ga, zoisite
87. Q, bi, pl, mi, ga
88. Q, bi, pl, di, hbde
89. Q, bi, mu, pl, mi, cal,
tourmaline
90. pl, amph, bi, chl,
tourmaline
91. Q, mu, bi, zoisite
92. Q, pl, bi, mu, epi,
tourmaline
93. Q, bi, hbde, pl,

Koip sequence

Lewis sequence

94. Q, bi, hbde,
cal, mi, epi
95. Q, pl, mu, cal,
tourmaline
96. mu, pl, cal, carbon
97. Q, mu, cal, pl, fldsp
98. Q, mu, pl, cal
99. Q, mu, pl, bi
100. Q, mu, bi, pl, mi
101. mi, di, hbde, bi, pl
102. Q, mi, pl, bi,
tourmaline
103. hbde, di, mi, ga, epi
104. pl, bi, mu, ga, zoisite
105. Q, mu, cl, pl, cal
106. Q, pl, mu, bi
107. Q, mi, bi, pl, chl
108. Q, epi, tremolite
109. pl, epi, amph, cal, chl
110. Q, pl, cal
111. Q, mu, bi, pl, cal
112. Q, pl, mu, cal, chl
113. Q, pl, mu, cal
114. Q, bi, amph, fldsp
115. Q, pl, ga, di, ido
mu, and
Q, pl, amph
Q, bi, pl, cli
Q, amph, pl, cli
Q, bi, amph, pl
117. Q
118. andesite intrusion
119. Q, bi, pl
120. Q, bi
121. di, cli, cal
122. Q, bi, fldsp
123. Q, bi, fldsp
124. Q, amph, cli, cal, fldsp
125. Q, cal, fldsp
126. chert
127. Q, amph, fldsp, cal,
epi, sphene

SYMBOLS

- Q, quartz
mu, muscovite
bi, biotite
cli, clinozoisite
wo, wollastonite
ga, garnet
di, diopside
ido, idocrase
cal, calcite
hbde, hornblende
mi, microcline
fldsp, unidentified feldspar
and, andalusite
pl, plagioclase
amph, undifferentiated amphibole
chl, chlorite
epi, (epidote) pistacite

LOCATION MAP AND MINERAL PARAGENESIS OF SECTIONED SPECIMENS OF METAMORPHIC ROCKS
MONO CRATERS QUADRANGLE, CALIFORNIA

SCALE 1:125 000

