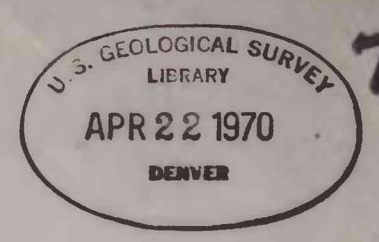


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70-242

Table 3 Chemical and normative analyses of intrusive rocks of the Mackay quadrangle

Table with 19 columns (1-19) representing different rock samples and 20 rows of chemical elements (SiO2, Al2O3, Fe2O3, FeO, MgO, CaO, Na2O, K2O, H2O+, H2O-, TiO2, P2O5, MnO, CO2, Cl, F, BaO, Subtotal, less O, total). Values are listed in columns corresponding to sample numbers.

C. I. P. W. norm
[Computed using U.S.G.S. general norms computer program #9676]

Table with 19 columns (1-19) representing different rock samples and 20 rows of chemical elements (Q, Or, Ab, An, C, hI, Wo, En, fs, mt, hm, il, ap, fr, cc, mg). Values are listed in columns corresponding to sample numbers.

Semiquantitative spectrographic analyses

[Analyses 2, 3, 4, 5, 6, 9, 16, 17, and 18 by Paul R. Barnett; 10, 11, and 19 by Raymond G. Havens. Looked for but not detected: Ag, As, Au, B, Bi, Cd, Ge, In, Pt, Sb, Ta, Th, Tl, U, Zn. Data have an overall accuracy of ±15 percent except that they are less accurate near limits of detection, where only one digit is reported.]

Table with 19 columns (1-19) representing different rock samples and 20 rows of trace elements (Ba, Be, Ce, Co, Cr, Cu, Ga, La, Mo, Nb, Nd, Ni, Pb, Sc, Sn, Sr, V, W, Y, Yb, Zr). Values are listed in columns corresponding to sample numbers.

- 1. Mackay Peak.
2. 1,800 ft. N.45°E. of the top of Mackay Peak.
3. 2,900 ft. S.17°E. of the top of Mackay Peak.
4. Near Champion mine.
5. 2,800 ft N.10°W. of Grand Prize mine.
6. 2,800 ft N.18°W of Grand Prize mine.
7. Ridge north of Horseshoe mine.
8. Empire mine, 1,600-ft level
9. 45,800 ft S.71°W. of BM 7825 at Copper Basin Ranger Station
10. 44,000 ft S.72°W. of BM 7825 at Copper Basin Ranger station.
11. 36,500 ft. due west of BM 7825 at Copper Basin Ranger Station.
12. Iron Mountain.
13. 27,100 ft N.37°W. of the top of Smiley Mountain.
14. 3,000 ft N.44°W. of the top of Smiley Mountain.
15. Garfield Canyon.
16. 5,650 ft. S.6°E. of the top of White Knob.
17. 2,800 ft N.38°W. of Horseshoe mine.
18. 3,000 ft N.18°W. of Grand Prize mine.
19. 12,700 ft due west of Lupine Mountain.