

(200)  
R290  
L no. 8403

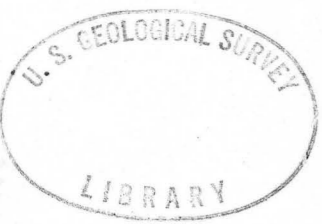


TABLE 1.--Semiquantitative spectrographic analyses of samples of the Meade Peak and the Retort Phosphatic Shale Members of the Phosphoria Formation and the upper member of the Shedhorn Sandstone, Snow King Mountain, Wyo.

[Samples obtained from a bulldozer trench in the NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 9, unsurveyed, T. 40 N., R. 116 W., Teton County, Wyo. Analyses by U.S. Geological Survey, Branch of Geochemistry and Petrology, Denver, Colo.; L. B. Riley, coordinator, J. C. Hamilton, analyst, and A. T. Myers, project leader. Stratigraphic section CP-14 gives rock description, thickness, and chemical analyses of samples. Results are reported in percent to the nearest number in the series 1, 0.7, 0.5, 0.3, 0.2, 0.15, and 0.1, etc.; the series represents approximate midpoints of group data on a geometric scale. The assigned group for semiquantitative results will include the quantitative value about 30 percent of the time. Arrangement of elements from left to right reflects general decrease in abundance. In addition to the elements listed below, detectable amounts of Sm, Gd, Dy, and Er are present in units P-17, P-22, and P-51. As, Au, Bi, Ge, Hf, Hg, In, Li, Pd, Pt, Re, Sb, Ta, Te, Th, Tl, U, W, Eu, Tb, Ho, Tm, and Lu were looked for in all samples but were not detected. Pr was looked for in samples that contained La and Ce but was not detected.]

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Table with columns for Unit No., Si, Ca, P, Al, K, Fe, Mg, Na, Ti, Zn, Cr, Sr, V, Ce, Y, Ba, Ni, Nd, La, Mn, Zr, Cu, Cd, B, Pb, Mo, Ga, Sc, Ag, Nb, Co, Yb, Sn, Be. Rows list various sample units (P-69 to P-1,2) and their corresponding element concentrations.

M = major constituent--greater than 10 percent.  
0 = looked for but not detected.  
- = not looked for.  
< with number, less than number shown--here usual detectabilities do not apply.  
Values underlined indicate maximum percentages.