Map and table showing radiometric ages of rocks in Southwestern Alaska

by

Nora Shew and Frederic H. Wilson

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This report is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards and stratigraphic nomenclature.
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This report is a compilation of radiometric age determinations from southwestern Alaska. The data were collected from published and unpublished sources available before February, 1981. The data base for this report is a file of radiometric age determinations housed in the U.S. Geological Survey Multics computer system. This computer file includes dates from the state of Alaska and the western parts of the Yukon Territory and British Columbia. Shew and Wilson, 1981, provides a description of this more comprehensive age file.

The sample locations have been plotted on a National Atlas base at a scale of 1:1,000,000 (plate 1). Indicating each locality is either a rectangular or oval bubble, representing igneous or metamorphic rock, which contains the sample identification, dating method, mineral or phase dated and apparent age.

Table 1 gives additional information for each sample. Data for each age determination are given in three lines and listed alphabetically by quadrangle. The first line shows the quadrangle, latitude, rock type, dating method, mineral or phase dated and the age. The second line gives comments pertinent to the sample or age determination. Line three is a list of all known references which cite the age determination. Abbreviations used on the map and in Table 1 are explained in Table 2.

Similar maps for southeastern Alaska, south-central Alaska, and the Aleutian Islands and Alaska Peninsula have been published (Wilson et al, 1979; Dadisman, 1980; and Wilson, 1981).

References Cited


Bunker, C. M., Hedge, C. E., and Sainsbury, C. L., 1980,


Gottfried, David, Jaffe, H. W., and Senftle, F. E., 1959,


Miller, T. P., Grybeck, D. G., Elliott, R. L., and Hudson, Travis, 1972, Preliminary geologic map of the eastern


Reed, B. L., and Lanphere, M. A., 1972, Generalized geologic map of the Alaska-Aleutian Range batholith showing potassium-argon ages of the plutonic rocks: U.S. Geological Survey Miscellaneous Field Studies Map MF-372, 2 sheets, scale 1:1,000,000.


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Cox and Dalrymple, 1967; Hoare and Coonrad, 1978

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