

Thermal-Maturity Data

The data accessible from this menu represent an update of U.S. Geological Survey Open-File Report 92-409. These data, now consisting of more than 10,000 vitrinite-reflectance and conodont-color-alteration-index determinations from samples representing over 3,800 localities throughout the State, are the data underlying the “Generalized Thermal Maturity Map of Alaska” (Miscellaneous Investigations Map I-2494) produced by the USGS in 1996, also available on this CD-ROM. The data can be accessed by clicking on the four buttons to the right, corresponding to vitrinite-reflectance data from outcrops, vitrinite-reflectance data from wells, conodont color-alteration-index data from outcrops, and conodont color-alteration-index data from wells. The format of the data files is explained in “Data Structures.” The data files identify the original source of the data; complete references can be found by clicking on “Sources of Data.” Sample preparation and analytical techniques, vitrinite-reflectance histograms, and further sample information are commonly provided in the original sources. Vitrinite-reflectance determinations conducted by M.J. Pawlewicz in USGS laboratories compose many of these data; sample preparation and analytical techniques under which those data were collected are described in “Methods.” Nearly all of the conodont color-alteration-index data were produced by A.G. Harris in USGS laboratories, and those techniques also are described in the “Methods” section.

**Data
Structure**

Sources

Methods

**Vitrinite
Data from
Outcrops**

**Vitrinite
Data from
Wells**

**Conodont
Data from
Outcrops**

**Conodont
Data from
Wells**

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