
Northeast Quadrant Mapping, Circum-Pacific Map Project

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The Northeast Quadrant panel, comprising geoscientists from Mexico, Canada, the United State of America, Central

America, and Hawaii, was originally organized under the direction of C.A. Burk in 1973. He was succeeded by K.J. Drummond in 1976. For the Northeast Quadrant, compilation of all maps at a scale of 1:10,000,000 is under way with the cooperation of all countries involved.

Published maps ready for display include the Geographic map and the Plate-Tectonic map. The latter shows the active lithospheric plates, their boundaries, and associated geologic phenomena. Present day movements are illustrated by seismicity, vulcanism, and plate motion vectors. These, with

spreading axis and magnetic lineations, demonstrate how the present configuration of continental masses and oceanic basins evolved through interaction of the various plates. Preliminary color proofs of other maps are also ready to be displayed. These include Geologic, Mineral Resources, and Energy Resources maps. The Mineral Resources map has been prepared under the direction of Phil Guild, United States Geological Survey, with major contributions from Ken Dawson, Geological Survey of Canada, and Bill Salas, Consejo de Recursos Minerales, Mexico. The map depicts the geographic distribution of mineral deposits by symbol which show the

class, size, and age of mineralization, overprinted on a geologic/tectonic background. The Geologic map attempts to show the relationship between continental and oceanic regimes.

Numerous elements for the Tectonic and Geodynamics maps have been compiled and work copies of this material can be viewed. These include preliminary tectonic maps, gravity and magnetic compilations, geothermal and heat flow data, crustal thickness, etc.

The Northeast Quadrant panel welcomes suggestions and corrections from all interested geoscientists.
