DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

OPEN FILE REPORT 80-23

EXPLANATION

Upper Mahoning shale[2/]
23

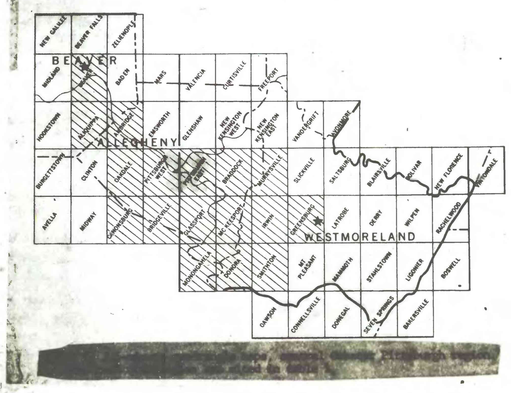
Mean strike of principal joint sets of indicated unit. Numbers refer to localities listed in table 1. Superscripts refer to footnotes at bottom on table 1

Pittsburgh coal
11

Mean strike of coal cleat of indicated unit. Long bar represents strike of face cleat; short, strike of butt cleat. Numbers refer to localities listed in table 1. At locality 10, cleat of top of coal bed differs from cleat of bottom

Axial trace of principal anticline. Modified from Wagner and others (1975b)

Axial trace of principal syncline. Modified from Wagner and others (1975b)



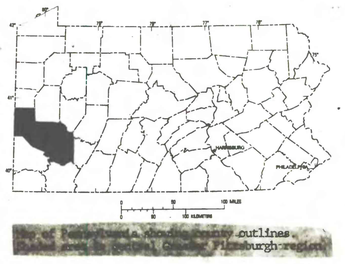


Figure 1.--Map of the central Greater Pittsburgh region showing principal fold axes, and strike of predominant joint sets in selected stratigraphic units at 74 localities. At many localities, joints in more than one stratigraphic unit were measured, and these are related by lithologic type in figures 3, 4, 5, and 6 and table 1.

JOINTING IN OUTCROPPING ROCKS OF PENNSYLVANIAN AGE, CENTRAL GREATER PITTSBURGH REGION, PENNSYLVANIA

By
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1980

U.S. Geological Survey
OPEN FILE MAP
This map is preliminary and has not been edited for conformity with Geological Survey standards or nomenclature.

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KOHL
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