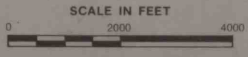


- LEGEND**
- UPPER FREEPORT COAL (U.F.)
  - LOWER FREEPORT COAL (L.F.)
  - UPPER KITTANNING COAL (U.K.)
  - MIDDLE KITTANNING COAL (M.K.)
  - LOWER KITTANNING COAL (L.K.)
  - PITTSBURGH (Pgh.), BARTON (Ba.), HARLEM (Hlm.), UPPER BAKERSTOWN (U.B.), LOWER BAKERSTOWN (L.B.), BRUSH CREEK (B.Cr.), MAHONING (Mah.), CLARION (Cl.), BROOKVILLE (Br.), MERCER (Mr.) (LABELLED)

- DEEP MINE AREA (in color of coal seam)
- OUTCROP LINE (in color of coal seam)
- MINE ENTRY (in color of coal seam)
- DEEP MINE SHAFTS (in color of coal seam)
- COAL STRUCTURE CONTOURS (in color of coal seam)
- AUGER MINING (in color of coal seam)
- DEEP MINE OPENING REFERENCE NUMBER (all Green)
- ANTICLINE, SYNCLINE (all Green)
- SUBSIDENCE AREA

- COUNTY LINE
- MINE REFUSE AREA
- STRIP MINE AREA
- HIGHWALL
- WATERSHED BOUNDARY
- WATERSHED NUMBER
- STREAM SAMPLING POINT
- MINE DRAINAGE DISCHARGE POINT
- MAJOR DRAINAGE BASIN BOUNDARY

U.S. BUREAU OF MINES  
Washington, D.C. 20241



MARION CENTER QUADRANGLE

**ABANDONED MINED LANDS  
SURVEY DEMONSTRATION  
MINING INFORMATION SUMMARY MAP**

INDIANA COUNTY, PENNSYLVANIA  
AUGUST, 1978