



COAL PORT

TIPTON

- 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 (Hm.), 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

ALTOONA

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

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

SCALE IN FEET  
0 2000 4000

CAMBRIA COUNTY, PENNSYLVANIA  
AUGUST, 1978