

2000-1974

WE  
M(200)

Area undermined of both Pittsburgh and  
Upper Freeport coal prior to  
June 30, 1974

Generalized area possibly undermined  
In the northern part of the map, surface  
areas resulting from underground mining is  
reported to have damaged man-made structure.  
Location from Department of Planning and  
Development, County of Allegheny.

Coal remaining in place on  
July 1, 1974

Pittsburgh coal bed--Remaining coal is shown  
by irregular stippled pattern south of the Ohio  
River and west of the Monongahela River. Else-  
where on the map, a few small hilltop areas for  
which there is no record of underground mining  
are not stippled and are bounded by outcrop lines  
without ticks.

Upper Freeport coal bed--Discrete areas of  
remaining coal within larger mined-out areas are  
shown by irregular stippled pattern. Larger  
areas of coal are shown as stippled without  
clutter, but are clearly bounded by coal out-  
crop lines (in northeastern part of map), approx-  
imate limits of mineable coal (toothed line),  
mined-out areas, and western and northern county  
boundaries.

MF

Mine and coal bed fires

Includes areas of active, controlled, and  
extinguished fires; generally confined to vicinity  
of coal bed outcrop (crop fires). Based on  
data from U.S. Bureau of Mines.

RB

Refuse banks

Primarily waste composed of coal and coally  
ash; includes some waste deposits from coal  
cleaning plants; many banks have burned and are  
now largely ash and cinders (red dots).

SD

Slag dump

Waste from steel-making industry

SP

Areas of probable past surface subsidence  
resulting from undermining (mine subsidence)

An interpretation of surface patterns  
visible in pastures and cultivated areas on 1939  
and 1973 aerial photographs. Patterns commonly  
are not discernible in urbanized or forested  
areas.

SM(P)

SM(R)

SM(PR)

SM(UF)

Strip mines, including both excavations  
and overburden dumps.

SM(P) - Pittsburgh coal bed strip mine.

SM(R) - Redstone coal bed strip mine.

SM(PR) - Pittsburgh and Redstone coal bed  
strip mines, undivided.

SM(UF) - Upper Freeport coal bed strip mine.

Contact and boundary lines are approximate

P

UF

Outcrop of coal bed

P - Pittsburgh coal bed

UF - Upper Freeport coal bed

V

V

Approximate limit of mineable  
Upper Freeport coal bed

Tooth on side of coal that is mineable  
assuming current mining techniques and equipment.  
Adapted from Bushnell and Peak (1975).

U

U

Area undermined of Pittsburgh coal prior  
to June 30, 1974

Ticks on mined side. Data from Pennsylvania  
Division of Mine Subsidence Regulation.

U

U

Area undermined of Upper Freeport coal  
prior to June 30, 1974

Ticks on mined side. Data from Pennsylvania  
Division of Mine Subsidence Regulation.

W

W

Cliff or steep rock wall resulting  
from strip mining (high wall)

Ticks on downslope side. Not shown in areas  
of continuing surface mining, chiefly in western-  
most part of map.

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Vertical shaft Tunnel or inclined shaft

Principal entries to important underground mines  
active in 1974

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SCALE 1:50,000  
CONTOUR INTERVAL 20 FEET  
DATUM IS MEAN SEA LEVEL

### MAP OF COAL-MINING FEATURES, ALLEGHENY COUNTY, PENNSYLVANIA

By  
William E. Davies, John S. Pomeroy, and William R. Kohl  
1976

Interior—Geological Survey, Reston, Virginia—1976

For sale by U.S. Geological Survey, price \$1.00 per set

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M(200)

MF

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