

EXPLANATION
Additional information is contained in a
leaflet accompanying this map.
MINERAL INDUSTRY MODIFICATIONS

SM
SURFACE (STRIP) MINE,
NOT RECLAIMED
Primarily coal but includes
some developed for sand-
stone and limestone; high-
wall indicated by hachured
line.

SMr
SURFACE MINE, RECLAIMED
BY GRADING

Sub
MINE SUBSIDENCE
Areas in which surface
patterns are indicative of mine
subsidence (based in part on
1939 aerial photographs).

MF
MINE AND COAL BED FIRES
Includes areas of active, con-
trolled, and extinguished fires;
fires generally confined to vi-
cinity of outcrop of coal seam
(crop fires). (Based on data
from U.S. Bureau of Mines).

RB
REFUSE BANKS
Primarily coal waste; most
banks have been and are
now ash and clinkers (red
dop).

Q
QUARRIES AND PITS
Active and abandoned rock
quarries and gravel pits.

SD
SLAG DUMP

H
LAND DEVELOPMENT
MODIFICATIONS

U
URBAN DEVELOPMENT
Land modified for housing,
commercial, educational,
and industrial uses. Mod-
ifications, primarily after
1969, include: removal of
vegetation; removal and re-
distribution of topsoil; some
excavation of bedrock at in-
dustrial and commercial de-
velopments; and placement
of impervious streets and
parking lots. Major fills
symbolized separately.

M
PREDEVELOPMENT
MODIFICATION
Primarily removal of vegetation
and removal and redistribution
of topsoil; ultimate land use
not identified during investi-
gation.

T
LAND MODIFIED FOR
TRANSPORTATION
Primarily highway construction.
Modifications, primarily after
1969, include extensive deep
excavations, shallow fills, and
redistribution of topsoil; local
removal of structures; major
fills and steep cuts symbol-
ized separately.

E
EARTH AND ROCK FILLS
Primarily at industrial, com-
mercial, educational, and hous-
ing sites and along transpor-
tation routes; also fills in urban
areas and narrow yard fills
adjacent to houses generally
not mapped.

N
NEARLY VERTICAL CUTS
AND CLIFFS
Primarily cuts along highways
and adjacent to commercial
and industrial sites; includes
highwalls in surface mines and
some natural cliffs.

W
OTHER MODIFICATIONS

W
WATER IMPOUNDMENTS
Primarily farm ponds, reser-
voirs, and settling basins; dams
generally too small to be shown
on the map.



Base by U.S. Geological Survey, 1969.
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U.S. Geological Survey
OPEN FILE MAP 74-296
This map is preliminary and has
not been edited for conformity
with Geological Survey standards
or nomenclature.

**MAP OF LAND MODIFIED BY MAN IN THE NEW KENSINGTON, WEST 7 1/2' QUADRANGLE,
ALLEGHENY COUNTY AND VICINITY, PENNSYLVANIA**

by
William E. Davies

Map based on 1973 aerial photographs
and field reconnaissance, 1973-74.
This map has not been edited or re-
viewed for conformity with Geological
Survey standards and nomenclature.
Aerial data from 1974 U.S. Army
Reserve, 1973-74.