



- 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 sandstone and limestone; high-well indicated by hachured line.
 - SMh**
SURFACE MINE, RECLAIMED
Modified primarily for housing, educational, commercial, and industrial development.
 - 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, controlled, and extinguished fires; fires generally confined to vicinity 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 burned and are now ash and clinkers (red dog).
 - Q**
QUARRIES AND PITS
Active and abandoned rock quarries and gravel pits.
 - E**
OTHER EXCAVATIONS
Primarily borrow pits.
- LAND DEVELOPMENT MODIFICATIONS**
- H**
URBAN DEVELOPMENT
Land modified for housing, commercial, educational, and industrial uses. Modifications, primarily after 1969, include: removal of vegetation; removal and redistribution of topsoil; some excavation of bedrock of industrial and commercial developments; 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 investigation.
 - 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 symbolized separately.
 - F**
EARTH AND ROCK FILLS
Primarily at industrial, commercial, educational, and housing sites and along transportation routes; old fills in urban areas and narrow yard fills adjacent to houses generally not mapped.
 - NV**
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 IMPONDMENTS
Primarily farm ponds, reservoirs, and settling basins; dams generally too small to be shown on the map.

Base by U.S. Geological Survey, 1969.
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Map based on 1973 aerial photographs
and field reconnaissance, 1973-74.
This map has not been edited or
reviewed for conformity with Geological
Survey standards and nomenclature.

MAP OF LAND MODIFIED BY MAN IN PART OF THE BRIDGEVILLE 7 1/2' QUADRANGLE, ALLEGHENY COUNTY AND VICINITY, PENNSYLVANIA

by
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U.S. Geological Survey
OPEN FILE MAP 74-286
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not been edited for conformity
with Geological Survey standards
or nomenclature.