



- EXPLANATION**
MINERAL INDUSTRY MODIFICATIONS
- SM**
SURFACE (STRIP) MINE, NOT RECLAIMED
Primarily coal but includes some developed for sandstone and limestone; high-wall 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).
 - E**
OTHER EXCAVATIONS
Primarily borrow pits.
 - SD**
SLAG DUMP
- 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 excavations of basements 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.
 - R**
LAND MODIFIED FOR RECREATION
 - St**
STRIATED AND ROUGH FILLS
Primarily of industrial, commercial, educational, and utility sites and along transportation routes; old fills in urban areas and major yard fills of industrial sites. Land use term identified by letter "R".
 - 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 IMPOUNDMENTS
Primarily farm ponds, reservoirs, and settling basins; some generally too small to be shown on the map.
 - G**
GULLIED LAND
Primarily on cleared slopes and unprotected faces of fills.

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

U. S. Geological Survey
OPEN FILE MAP 74-233
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MAP OF LAND MODIFIED BY MAN IN THE OAKDALE 7½ QUADRANGLE, ALLEGHENY COUNTY AND VICINITY, PENNSYLVANIA
by J.S. Pomeroy
1974

Pennsylvania (Oakdale quad.). Modified land. 1:24,000. 1974.
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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.



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