



- EXPLANATION**
Additional information is contained in a booklet accompanying this map.
- MINERAL INDUSTRY MODIFICATIONS**
- SM**
SURFACE (OPEN) MINE
NOT RECLAIMED
Primarily used for iron ore, but also includes some development for sand, gravel, and limestone; SMR, SM, and SMR are indicated by brackets.
 - Sub**
SUBSURFACE
Primarily used for iron ore, but also includes some development for sand, gravel, and limestone; SM, SMR, and SMR are indicated by brackets.
 - RB**
NEW AND COAL BED FIRES
Primarily used for iron ore, but also includes some development for sand, gravel, and limestone; SM, SMR, and SMR are indicated by brackets.
 - RB**
REFUSE BANKS
Primarily used for iron ore, but also includes some development for sand, gravel, and limestone; SM, SMR, and SMR are indicated by brackets.
 - Q**
QUARRIES AND PITS
Active and abandoned rock quarries and gravel pits.
 - E**
OTHER EXCAVATIONS
Primarily borrow pits.
 - SD**
SLAG DUMP
 - H**
LAND DEVELOPMENT MODIFICATIONS
 - H**
URBAN DEVELOPMENT
Land modified for housing, commercial, educational, and industrial uses. Modifications, primarily after 1949, include: removal of vegetation; removal and redistribution of topsoil; some excavation of bedrock or industrial and commercial developments; and placement of impervious streets and parking lots. Major fills 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.
 - 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.
 - OTHER MODIFICATIONS**
 - W**
WATER IMPOUNDMENTS
Primarily farm ponds, reservoirs, and settling basins; dams generally too small to be shown on the map.

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Map based on 1973 aerial photographs
and field reconnaissance, 1973-74.
This map has not been revised or
reviewed for conformity with Geological
Survey standards and nomenclature.

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

by

William E. Davies

U.S. Geological Survey
OPEN FILE MAP 74-289
This map is preliminary and has
not been edited for conformity
with Geological Survey standards
or nomenclature.

Pennsylvania (Donora Quad.) Modified Land. 1:24,000. 1974