

MINERAL INDUSTRY MODIFICATIONS

SM

SURFACE (STRIP) MINE, NOT RECLAIMED

Primarily coal but includes some development for sandstones and limestones; highwall indicated by hachured line.

SMh

SURFACE MINE, RECLAIMED

Modified primarily for housing, educational, commercial and industrial development.

SMr

SURFACE MINE, RECLAIMED BY GRADING

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)

Q

QUARRIES AND PITS

Active and abandoned rock quarries and gravel pits.

SD

SLAG DUMP

RB

REFUSE BANKS

Primarily coal waste; most banks have burned and are now ash and clinkers.
(red dog)

Sub

MINE SUBSIDENCE

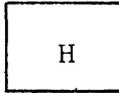
Areas in which surface patterns are indicative of mine subsidence (based
in part on 1939 aerial photographs).

E

OTHER EXCAVATIONS

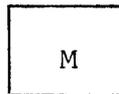
Primarily borrow pits.

LAND DEVELOPMENT MODIFICATIONS



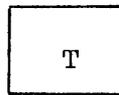
URBAN DEVELOPMENT

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 at industrial and commercial developments; and placement of impervious streets and parking lots. Major fills symbolized separately.



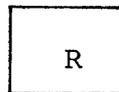
PREDEVELOPMENT MODIFICATION

Primarily removal of vegetation and removal and redistribution of topsoil; ultimate land use not identified during investigation.



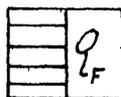
LAND MODIFIED FOR TRANSPORTATION

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.



LAND MODIFIED FOR RECREATIONAL USE

Primarily golf courses. Modifications primarily after 1969.



EARTH AND ROCK FILLS

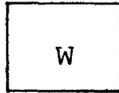
Primarily at industrial, commercial, educational, and housing sites and along transportation routes; old fills in urban areas and narrow yard fills adjacent to houses generally not mapped. Fills too small to be shown by pattern identified by letter "F".



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



WATER IMPOUNDMENTS

Primarily farm ponds, reservoirs, and settling basins; dams generally too small to be shown on the map.



GULLIED LAND

Primarily on cleared slopes and unprotected faces of fills.