Map of Land Modified by Man

U. S. Geological Survey
OPEN FILE MAP 74-719

EXPLANATION
This map is preliminary and has not been edited for conformity with Geological Survey standards or nomenclature.

MINERAL INDUSTRY MODIFICATIONS

SM
SURFACE (STRIP) MINE, NOT RECLAIMED
Primarily coal but includes some developed for sandstone and limestone; highwall indicated by hachured line.

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 (c~op 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).
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QUARRIES AND PITS

Active and abandoned rock quarries and gravel pits.

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.

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.