



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 lines.

SMh
SURFACE MINE, RECLAIMED
Modified primarily for housing, educational, commercial, and industrial development.

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 (crag fire). (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 at 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.

OTHER MODIFICATIONS

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