EXPLANATION

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. —>

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

MAP OF LAND MODIFIED BY MAN IN THE EMSWORTH 7.5
QUADRANGLE, ALLEGHENY COUNTY, PENNSYLVANIA
by J.S. Pomeroy, 1974

U. S. Geological Survey
OPEN FILE MAP 74-73
This map is preliminary and has
not been edited for conformity
with Geological Survey standards
or nomenclature.

"Map of land modified by man" based
on 1969 aerial photographs and field
investigations, 1972-74. This map has
not been edited or revised for conformity
with Geological Survey standards and
nomenclature.

Pennsylvania (Emsworth quad.) Modified Land 1:24,000. 1974.