



**LEGEND**

- TOWNSHIP LINE
- BOUNDARY LINE
- MIDDLE KITTANNING OUTCROP
- DEEP MINE OPENINGS
- DRILL HOLES
- WEIR POINTS
- STRUCTURE CONTOURS
- MINE REFUSE PILES
- STRIP MINE AREAS
- DEEP MINE AREAS

- PREDOMINANTLY ACID FLOWS
- PREDOMINANTLY ALKALINE FLOWS
- VARIABLE ACID-ALKALINE FLOWS

COMMONWEALTH OF PENNSYLVANIA  
 DEPARTMENT OF MINES & MINERAL INDUSTRIES  
 MINE DRAINAGE PROJECT MD-8  
**HIGH FLOW SCHEMATIC**  
**MORAINES STATE PARK**  
 BUTLER COUNTY, PENNSYLVANIA  
 SCALE: 1"=1000' 1967

A.S.M.R.P. APPALACHIAN STRIP MINE RECLAMATION PROJECT NO. 1  
 NOTE: Mining Areas and Topography Compiled from Field Surveys, Aerial Photos, Existing Maps and Mining Information of G.E.I., D.F.R.W., D.M.M.I., P.G.S., U.S.B.M., U.S.G.S. and others.

PLANS PREPARED BY  
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 ALTOONA, PENNSYLVANIA