



- LEGEND**
- TOWNSHIP LINE
  - BOUNDARY LINE
  - MIDDLE KITTANNING OUTCROP
  - Y DEEP MINE OPENINGS
  - DRILL HOLES
  - WEIR POINTS
  - 1200--- STRUCTURE CONTOURS
  - MINE REFUSE PILES
  - ▨ STRIP MINE AREAS
  - ▩ DEEP MINE AREAS

- LEGEND**
- PREDOMINANTLY ACID FLOWS
  - PREDOMINANTLY ALKALINE FLOWS

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

PLANS PREPARED BY  
 MINING DEPARTMENT  
 GWIN ENGINEERS, INC.  
 CONSULTING ENGINEERS  
 ALTOONA, PENNSYLVANIA

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.D.S., U.S.B.M., U.S.G.S. and others.