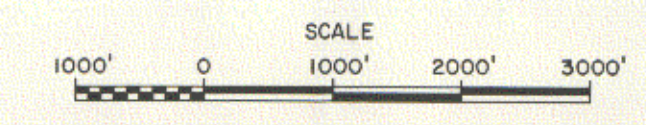
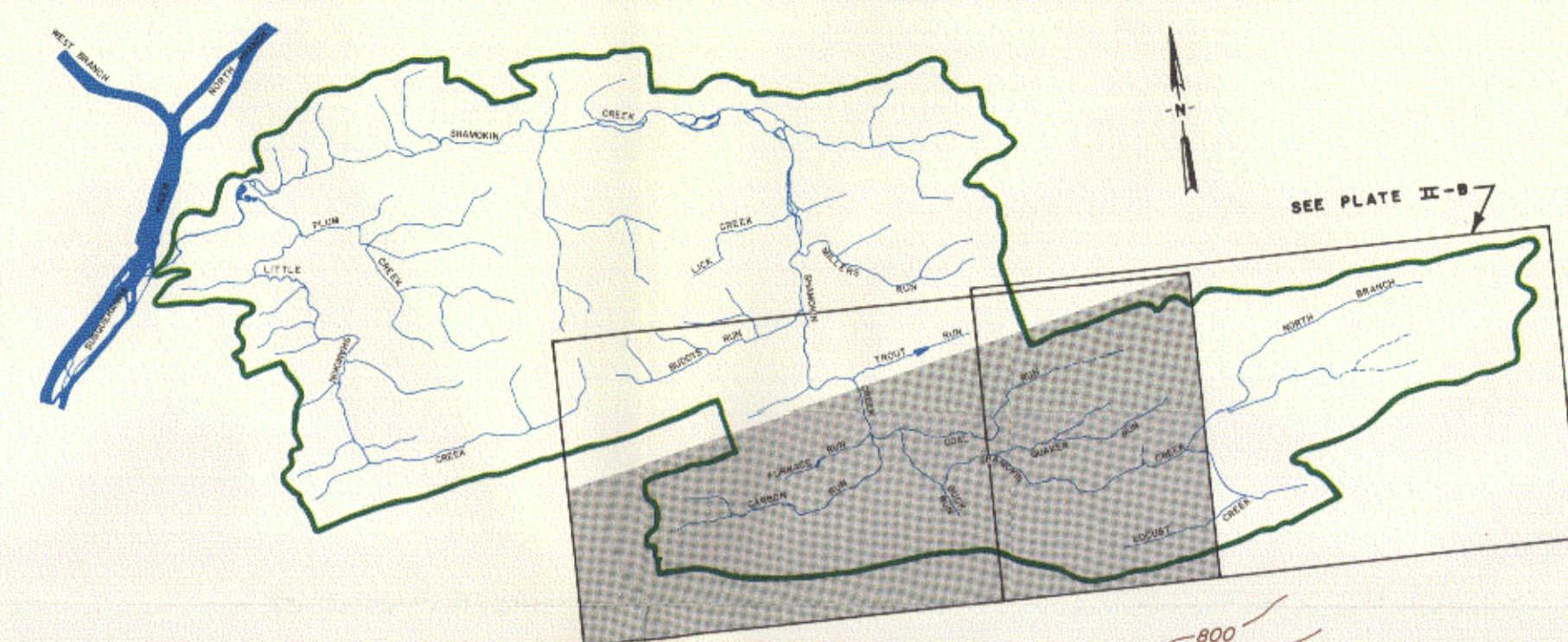


LEGEND	
— STATE OR LEGISLATIVE ROAD	— PREVENTIVE MEASURES (CONT.)
— IMPROVED ROAD	○ SUBSIDENCE AREA
— UNIMPROVED ROAD	○ RESTORED
— BOROUGH OR CITY LIMIT	○ NOT RESTORED
— COUNTY BOUNDARY	○ REFUSE AREA
— TOWNSHIP BOUNDARY	○ REGRADED AND COVERED
— WATERSHED LIMIT	○ NOT AFFECTED
— BARRIER PILLAR	— CLEAR EXISTING STREAM CHANNEL
— STREAMS	— SURFACE WATER DIVERSION DITCH
— STREAMS WITH INTERMITTENT FLOW	— LINED CHANNEL
— UNDISTURBED SURFACE CONTOUR	— REPAIR AND REPLACE EXISTING LINED CHANNEL
— SLOPE OR DRIFT ENTRY	— TREATMENT MEASURES
⊗ SHAFT	← BREACH BARRIER PILLAR DIRECTING AMD NO. ⊗ TO UNDERLYING DEEP MINE POOL
⊗ BREAKER	○ BORE HOLES
○ EXTENT OF MAJOR DEEP MINE WORKINGS DRAINING TO WATERSHED	— CONVEYANCE SYSTEM
○ EXTENT OF MAJOR DEEP MINE WORKINGS WITHIN WATERSHED DRAINING TO MAHANÓY CREEK	⊗ TREATMENT PLANT SITE
⊗ STREAM QUALITY SAMPLING STATION	⊗ MD DISCHARGE POINTS
⊗ STREAM QUALITY SAMPLING AND GAGING STATION	● ELIMINATED BY PREVENTIVE MEASURES
— PREVENTIVE MEASURES	● COLLECTED AND TREATED AFTER REDUCTION BY PREVENTIVE MEASURES
○ STRIP MINE	● COLLECTED AND TREATED
○ RESTORED	○ NOT AFFECTED BY ABATEMENT MEASURES
○ NOT RESTORED	



**PLATE IV-A**

COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL RESOURCES

MINE DRAINAGE  
POLLUTION ABATEMENT MEASURES

**RECOMMENDED ABATEMENT PLAN  
FOR  
SHAMOKIN CREEK WATERSHED**

GANNETT FLEMING CORDRY & CARPENTER INC.  
ENGINEERS  
HARRISBURG, PENNSYLVANIA

MAY, 1971