TOPOGRAPHY COMPILED FROM AERIAL PHOTOGRAPHY TAKEN APRIL, 1965 BY L. ROBERT KIMBALL, CONSULTING ENGINEERS, EBENSBURG, PENNSYLVANIA FOR JOINT STUDY BY INTERIOR DEPARTMENT & HEALTH, EDUCATION & WELFARE DEPARTMENT. CONTRACT NO. 14-09-0050-2696

EXPLANATION

Qgf
Glaciofluvial deposits, undifferentiated
(silt, sand, gravel, and boulders in buried valley, terraces, and alluvium)

br
Bedrock
(may include small areas covered by veneer of Qgf, mw, or sw)

mw
Mine waste
(rock refuse from underground coal mines, culm and rock refuse from coal processing plants, and silt in settling basins)

mwr
Mine waste removed
("yellow-boy" coated bedrock and/or glaciofluvial deposits that were formerly covered by mine waste)

sw
Strip mine waste
(rock refuse in overburden cast piles, fill on access roads, and back-fill in strip pits)

af
Artificial fill
(cut and fill construction for railroad grade)

Pit
(strip mines, prospects, breaches, crop-falls, and caved mine entries)

⊙2
Location and number of water test well
(wells 3, 6, 11, 13, 14, and 18 are not shown)

Mine entry

Contact

N368,000 E.2240,000 N372,000 E.2244,000 N364,000 E.2240,000 N360,000 E.2244,000 N356,000 E.2240,000 E.2252,000

SUSQUEHANNA RIVER
BELLIS ISLAND
LITTLE ISLAND
MOCANAQUA
PENNSYLVANIA RAILROAD
ROUTE 29 TO SHICKSHINNY
Mine Drainage Tunnel Gaging Station
B.M. F-47 USC&GS DISK WEST END OF BRIDGE EL. 524.10
Sand Drift
Shaft
Silt
COMMERCIAL CONCRETE CONCRETE
Ball Field
Cemetery
TURTLE CREEK
Stump Lake
SHEET 2 MATCH

0 400 800 FEET

CONTOUR INTERVAL 10 FEET
DATUM IS MEAN SEA LEVEL

PERIMETER OF WORKINGS, RED ASH SEAM.

TOPOGRAPHIC MAP
ACID MINE DRAINAGE POLLUTION CONTROL DEMONSTRATION PROJECT
BLACK CREEK WATERSHED
LUZERNE COUNTY MOCANAQUA, PENNSYLVANIA
SHEET 1 OF 2

FIGURE 5A.--SURFICIAL GEOLOGIC MAP OF THE BLACK CREEK WATERSHED -- WESTERN HALF

-- U S GEOLOGICAL SURVEY--1968