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.

N368,000

E2,240,000

N372,000

EXPLANATION

MISSISSIPPIAN AND PENNSYLVANIAN

PENNSYLVANIAN

IPl — Llewellyn Formation
B — Baltimore coal bed
UR — Upper Ross coal bed
LR — Lower Ross coal bed
URA — Upper Red Ash coal bed
LRA — Lower Red Ash coal bed

IPp — Pottsville Formation

Mm — Mauch Chunk Formation

Contact

Coal bed
(Dashed where approximately located; hachures where strip mined; ? where existence probable) (Shown as trace on bedrock surface prior to strip-mining)

Thrust fault
(T, upper plate)

High-angle fault
(U, upthrown side; D, downthrown side; arrow shows direction of dip)

Syncline
(Trace of axis)

Anticline
(Trace of axis)

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

C — C′ — Line of cross section (see figures 4A, 4B, and 4C)

Mine entry

N364,000

N360,000

N356,000

E2,240,000

E2,252,000

SUSQUEHANNA RIVER

BELLS ISLAND

LITTLE TURTLE ISLAND

PENNSYLVANIA RAILROAD

Mine Drainage Tunnel

Gaging Station

Sand Drift

ROUTE 29 TO SHICKSHINNY

BM F-47
USC&GS DISK
WEST END OF BRIDGE
EL. 524.10

BLACK CREEK

EAST PIKE CREEK

SEEP

CONCRETE CHANNEL

Ball Field

Cemetery

MOCANAQUA

TURTLE CREEK

CONNECTING TUNNEL
ALTITUDE 538 FEET

Stump Lake

MATCH SHEET 2

TOPOGRAPHIC MAP
ACID MINE DRAINAGE POLLUTION CONTROL DEMONSTRATION PROJECT
BLACK CREEK WATERSHED
LUZERNE COUNTY MOCANAQUA, PENNSYLVANIA
SCALE: 1"=400' SHEET 1 OF 2

——— PERIMETER OF WORKINGS, RED ASH SEAM

Figure 3A GEOLOGIC MAP OF THE BLACK CREEK WATERSHED -- SHEET 1

-- U S GEOLOGICAL SURVEY -- 1966