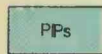


EXPLANATION

SEDIMENTARY ROCKS



Alluvium
Terrace gravel deposits

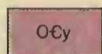


Sa-dong formation
Contains coal seams

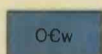


Hongjom formation, Ph;
with basal conglomerate, Phc

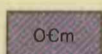
UNCONFORMITY



Yonghung formation



Wagok formation



Macha-ri formation

UNCONFORMITY



Sambong-san formation
Upper part, quartzite and gray sandy shale, Csb.
Lower part, red and purple shale, Csa

IGNEOUS ROCKS



Felsite
Sills and dikes

Contact, showing dip
Dashed where approximately located

Fault, showing dip
Dashed where approximately located; U, upthrown side;
D, downthrown side; arrows indicate relative direction
of movement

Macha-ri thrust fault
T, upper plate

Anticline
Showing trace of axial plane and direction of plunge of
axis; short barb shows steeper limb, dashed where
approximately located

Syncline
Showing trace of axial plane and direction of plunge of
axis; short barb shows steeper limb, dashed where
approximately located

Overtaken syncline

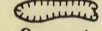
Strike and dip of beds

Strike and dip of overturned beds

Strike of vertical beds

Strike and dip of undulating beds

Coal prospects
Mine workings are shown on pl. 2

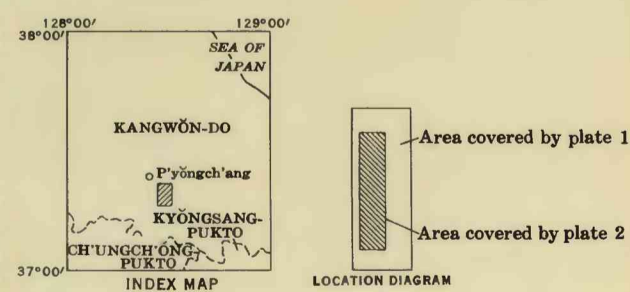


Caved area over mine workings

Surface haulage line
Dashed line shows tunnel

Control point and elevation

Unchecked spot elevation



CONTROL DIAGRAM
Base map prepared by U. S. Geological Survey in part (a) from map compiled under direction of the Engineer, GHQ, FEC by the 64th Eng. Base Topog. Bn., by stereophotogrammetric (multiplex) methods using aerial photography dated October 1947, and in part (b) from compilation by U. S. Geological Survey by stereophotogrammetric (Kelsh) methods using aerial photography dated March 1947. Field control by Japanese Imperial Land Survey; planimetric detail corrected by field check in 1949

GEOLOGIC MAP OF THE MACHA-RI COALFIELD, KOREA
(Sections shown on plate 3)

Scale 1:24,000

1/2 0 1 Mile

500 0 1500 Meters

Contour interval 40 feet
Datum is mean sea level

70°19'
MAGNETIC NORTH
TRUE NORTH

APPROXIMATE MEAN DECLINATION 1949
FOR CENTER OF SHEET
ANNUAL MAGNETIC CHANGE 1' WESTERLY