69-147

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PREPARED IN COOPERATION WITH THE
MINISTRY OF THE PRESIDENCY
COSTA RICA OFFICE OF CIVIL DEFENSE

PROJECT REPORT (IR)-CR-9
PLATE 1

GEOLOGIC MAP AND CROSS SECTIONS OF THE REVENTADO RIVER WATERSHED, COSTA RICA

Compiled by the Geographic Institute of Costa Rica,
Department of Public Works, San Jose

Geology by R. D. Krushensky

SCALE 1:25 000

1000 0 1000 2000 3000 METERS

1 ½ 0 1 2 MILES

1 5 0 1 2 3 KILOMETERS

CONTOUR INTERVAL 20 METERS
AUXILIARY CONTOUR INTERVAL 10 METERS
DATUM IS MEAN SEA LEVEL

APPROX. 7° MEAN DECLINATION, 1967

EXPLANATION

Qm Qal Qq Qt

Alluvium

Qm, *mudflow deposits of 1963–65*
Qal, *stream deposits*
Qt, *lacustrine deposits*
Qc, *Coatsaa fan deposits*
Qq, *Quircot fan deposits*
Qt, *terrace deposits*

Recent

Qsll
Qsl
Qsla

Sapper Formation

Qsll, *lava and lahar*
Qsl, *lava*
Qsla, *lahar*
May be Recent in part

Pleistocene

Irazú Group

Qiu

Undifferentiated lava, lahar, and ash of the Irazú group

QUATERNARY

DISCONFORMITY

Qrll
Qrla

Reventado Formation

Qrll, *lava and lahar*
Qrla, *lahar*

UNCONFORMITY

Undifferentiated sandstone, siltstone, limestone, and lava

Miocene and Pliocene(?)

TERTIARY

Active landslide

Inactive landslide

Contact
Dashed where approximately located

Indefinite contact

Fault
Dotted where concealed

Strike and dip of lava beds

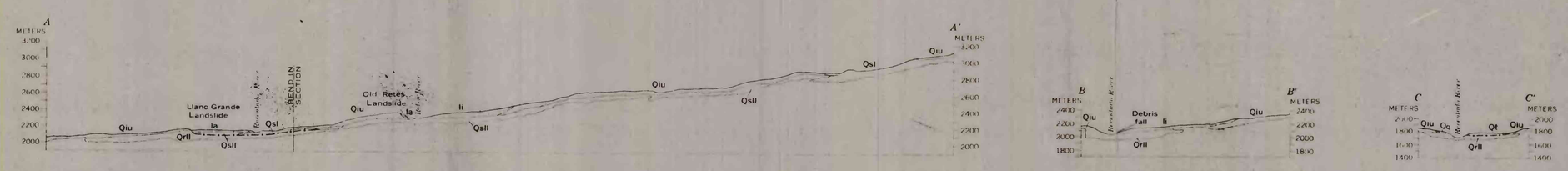
Horizontal lava beds

Strike and dip of joints in lava

Strike of vertical joints in lava

Strike and dips of multiple joints in lava

Erosion surface (cross sections)

Known or presumed direction of movement in active and inactive landslide

Boundary of the Reventado River watershed