



Western half of country contours based primarily on geology; in m/10,000 yr. Eastern half of country in mm/yr based on geodetic leveling and tide-gage data. Eastern data not completely contoured because of different data bases used by each investigator in interpreting leveling data. M. S. MORRISON

Area first defined by Hildahl and Morrison, 1973, p. 25

EXPLANATION

CONTOUR SHOWING VERTICAL MOVEMENT--
Dashed where approximately located. East of north-south line in mm/yr; west of north-south line in m/10,000 yr. Based on geology, geomorphology, radio-carbon dates

CONTOUR AT ZERO RATE OF MOVEMENT

CONTOUR FROM GEODETIC-LEVELING DATA (IN MM/YR)--Based on plate 3

AREAS OF VERTICAL MOVEMENT--Approximately located. Approximate rate of vertical movements based on data from plate 3

CONTOUR FROM TIDE-GAGE DATA (IN MM/YR)

SCALE 1:5,000,000

100 0 100 200 300 400 500 MILES

100 0 100 200 300 400 500 600 700 KILOMETERS

MEXICO

CONTOUR OF GLACIAL REBOUND--Dashed where approximately located

RATE OF VERTICAL MOVEMENT
In eastern area in mm/yr

In western area in m/10,000 yr and shown only when rate differs significantly from contour value

Regional movement, extent undetermined

PLATE 4-PRELIMINARY MAP SHOWING RATES OF VERTICAL MOVEMENTS

Base from U.S. Geological Survey, 1933