

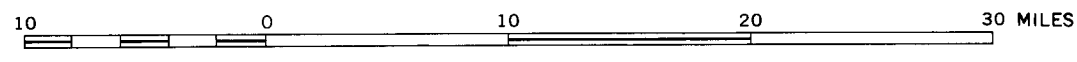
**EXPLANATION**

- Upper growth limit of barnacles (*Balanus*)
- Upper growth limit of marine algae (*Fucus*)
- Height of tidal bench mark
- Vertical tectonic displacement, in feet, measured along shore with tide level as a datum. Asterisk indicates 1965 measurement; all others are 1964.
- Upper growth limit of barnacles (*Balanus*)
- Upper growth limit of marine algae (*Fucus*)
- Lower growth limit of terrestrial vegetation
- Upper limit of storm tide driftwood. (In uplifted area only)
- Vertical tectonic displacement, in feet, from measured difference between pre- and post-earthquake shoreline features. Asterisk indicates 1965 measurement; all others are 1964.
- Vertical tectonic displacement, in feet, estimated by local resident. Asterisk indicates 1965 estimate; all others are 1964.
- Subsidence, in feet, measured at temporary U.S. Coast and Geodetic Survey tide-gage station. Preearthquake observations were made between 1906 and 1957, postearthquake measurements were made in 1964 and 1965 (asterisk). Most of the displacement occurred during the earthquake.
- Uplift, in feet, from pre- and postearthquake depth soundings near Montague Island by the U.S. Coast and Geodetic Survey. Preearthquake soundings were made in 1927; postearthquake soundings in 1964 and 1965. Most of the change occurred during the earthquake.
- Isobase of tectonic land-level change. Contour interval is 2 feet from -8 to +10 feet; 5 feet from +10 to +35 feet. Solid where estimated precision is  $\pm 1/2$  contour interval; dashed where  $\pm 1$  contour interval; dotted where inferred.
- Reverse fault. Dashed where approximately located; dotted where inferred. Bars on upthrown side.

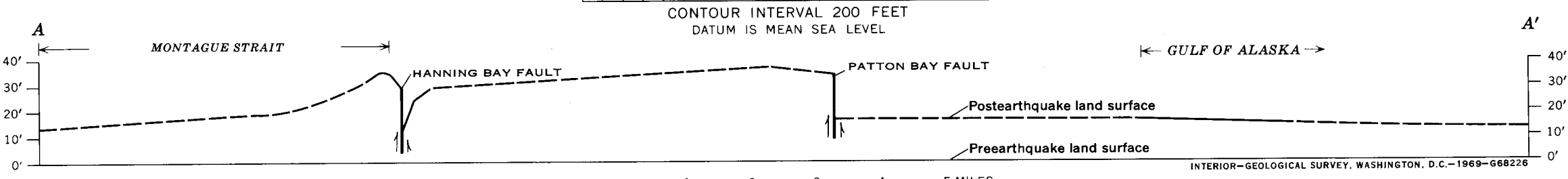
Base from U. S. Geological Survey, 1964

SCALE 1:500 000

Data from George Plafker, L. R. Mayo, J. B. Case, D. S. McCulloch, M. G. Bonilla, and U.S. Coast and Geodetic Survey, 1964-65



CONTOUR INTERVAL 200 FEET  
DATUM IS MEAN SEA LEVEL



PROFILE OF LAND-LEVEL CHANGE ALONG A-A'  
0 1 2 3 4 5 MILES  
0 1 2 3 4 5 KILOMETERS

MAP SHOWING GROUND DEFORMATION RESULTING FROM THE 1964 ALASKA EARTHQUAKE  
IN THE PRINCE WILLIAM SOUND REGION