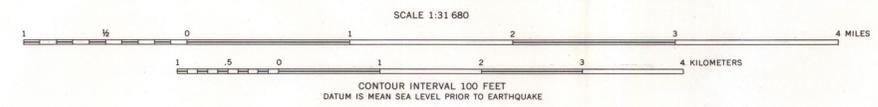
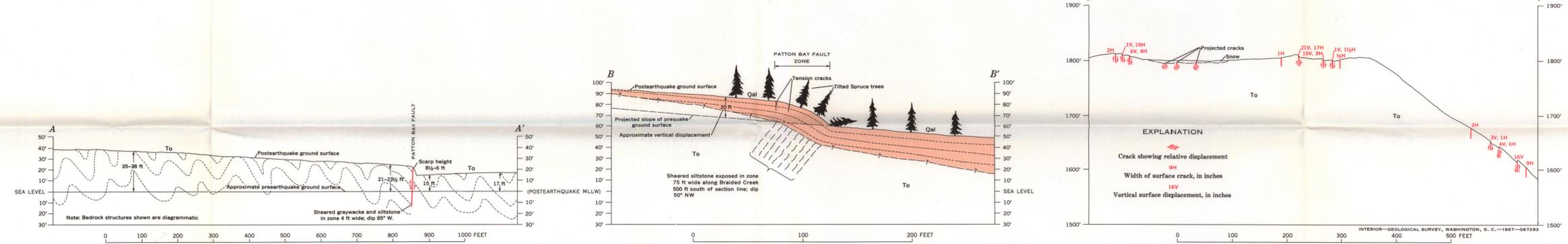
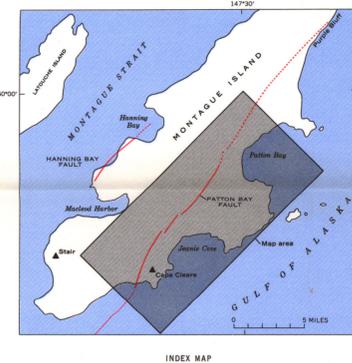


- EXPLANATION**
- Recent**
 - Quaternary**
 - Qal Alluvial mud, sand, and gravel
 - Qs Marine beach deposits
 - UNCONFORMITY**
 - Lower Tertiary**
 - Tertiary**
 - To Orea Group
- Undifferentiated graywacke sandstone, siltstone, greenstone, and conglomerate. Complexly folded and faulted. Commonly mantled with unconsolidated alluvium, beach deposits, glacial till, and colluvium.
- Contact
 - Dashed where approximately located
 - Reverse fault, showing direction and amount of surface dip
 - Dashed where approximately located or concealed by landslides; dotted where inferred from discontinuous zone of surface cracks or flexures in alluvium. Number is approximate vertical separation in feet
 - Zone of abundant fissures of tectonic origin
 - Red lines are the longer cracks
 - Prominent major linear feature interpreted as trace of thrust fault. No apparent displacement noted during the 1964 earthquake.
 - Inclined Vertical Contorted
 - May be overturned May be overturned May be overturned
 - Strike and dip of beds
 - Larger earthquake-triggered landslides
 - Scarp at head of incipient landslide
 - Area exposed by uplift associated with the 1964 earthquake
 - X 16.5B X 16.5BB X 35.0DD*
 - 16.5B* 16.5BB*
 - Vertical tectonic displacement, in feet, from measured difference between upper growth limit of preearthquake barnacles and means highwater (B), the difference between upper growth limits of preearthquake and postearthquake barnacles (BB) and the difference in heights of preearthquake and postearthquake storm beach berms (DD). Asterisk indicates 1965 measurement, all others are 1964
 - 21 Oblique aerial photograph location and text figure number
 - 23 Ground photograph location and text figure number
 - 6 Area of detailed sketch map and text figure number
 - Vegetation

Base from U.S. Geological Survey 1:63,360 scale Blying Sound D-1, D-2, and D-3 sheets



Geology from field mapping by George Pfliker, L. R. Mayo, M. G. Bonilla, and J. B. Case, 1964-65; data furnished by L. C. Cluff, 1966; photo interpretation by George Pfliker



GEOLOGIC MAP OF PART OF THE PATTON BAY FAULT, MONTAGUE ISLAND, ALASKA