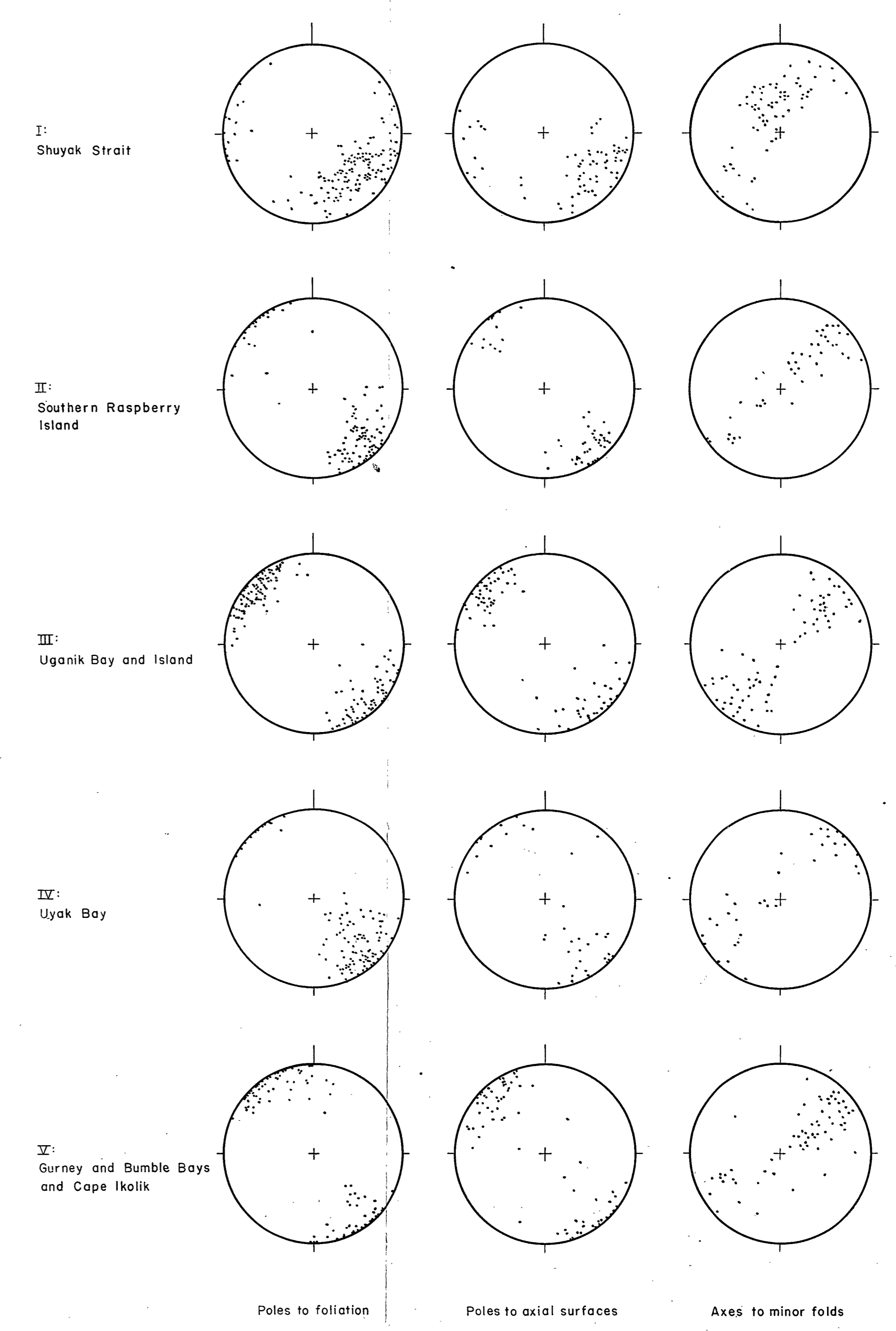




Base maps by Topographic Division,
U.S. Geological Survey, 1952.



STEREOGRAPHIC PLOTS SUMMARIZING STRUCTURAL DATA
FROM SUBAREAS IN THE UYAK COMPLEX

EXPLANATION

- QUAT.**
 - Qs Surficial deposits Undifferentiated.
- UPPER CRETACEOUS**
 - Kk Kodiak Formation Marine turbidite sequence.
 - Kc Terrane of Cape Current Massive marine sandstone with minor pillow lava, agglomerate, and pelagic limestone.
- UPPER MESOZOIC**
 - uMzu Uyak Complex lithologically chaotic assemblage of deep-sea rock-types, including: a, gray chert and argillite (about 3:2) with minor tuff (10%); chert composed entirely of quartz and contains rare ghosts of radiolaria; thinly layered and intensely deformed. s, massive arkosic wacke; internally sheared; secondary pyrite and pumpellyite nearly ubiquitous. g, pillowed and massive greenstone with up to 60% 'd'; non-vesicular; tholeiitic comp. c, rhythmically bedded radiolarian chert; contorted sequences of 2-7 cm thick beds separated by thin shaly partings; locally overlies pillowed greenstone with sedimentary contacts. ls, limestone; thinly interlayered with argillite; recrystallized so no fossils preserved. ta, tuffaceous argillite; similar to 'a' but contains >40% tuff. uMzu, gabbroic and ultramafic rocks.
- LOWER JURASSIC**
 - Ijs Schist terrane of Kodiak Islands Complexly folded schists; includes blueschist.
- UPPER TRIASSIC**
 - Ujad Afognak pluton Quartz diorite and diorite.
 - R(?)m Mafic dikes and sills Age uncertain.
 - Tsv Shuyok Formation sedimentary member, volcanic turbidites, conglomerate, argillite, and tuff. Tsv, primarily pillowed greenstone. t, sections of bedded tuff and agglomerate.
- Structural Features:**
 - Contact Dashed where approximately located; primarily tectonic contacts within Uyak melange but also includes intrusive contacts.
 - Fault Dashed where approximately located, dotted where concealed, locally showing relative movement.
 - Fault Existence uncertain; approximately located except at coastline; dotted where concealed.
 - Thrust fault (Uganik thrust) Dashed where approximately located; dotted where concealed.
 - Upright Strike and dip of bedding Upright Strike and dip of canticlastic foliation Inclined Strike and dip of metamorphic and plutonic foliation.
 - Anticline Syncline Approximate trace of axial plane, dotted where concealed.
 - F7 Fossil localities See text for descriptions.

GEOLOGIC MAP OF THE NORTHWEST SIDE OF THE KODIAK ISLANDS, ALASKA

By
William Connelly and J. Casey Moore
1977

This map is preliminary and has not been reviewed for conformity with U.S. Geological Survey standards and nomenclature.