



**COMPILATION DIAGRAM**  
1. Unmapped area  
2. Geology by F. E. Wright, 1904 (unpublished data), and F. W. Guild and J. R. Bailey, Jr., 1942, extended and modified by photogeology, 1960  
3. Geology by F. E. Wright, 1904 (unpublished data), extended and modified by photogeology, 1960  
4. Geology by C. W. Wright, 1906 (unpublished data), extended and modified by photogeology, 1960  
Unnumbered areas mapped by shoreline traverses and photogeology by H. C. Berg and D. W. Hunkley, 1960

**EXPLANATION**

**Quaternary**  
Qu Unconsolidated sediments  
Includes volcanic ash deposits of Recent age, and alluvium and glacial debris of Pleistocene and Recent age

**Jurassic and Cretaceous**  
Kjs Sitka Group  
Massive gneiss; thin-bedded gneiss and argillite; conglomerate, and breccia  
Kjsv volcanic rocks and (or) chert  
Late(?) Jurassic and Early Cretaceous

**Triassic(?)**  
Tk Kelp Bay Group  
Gneiss and phyllite; graywacke, slate, and conglomerate; calcareous and quartzite slates; interbedded siliceous green-schist and argillite; massive volcanic rocks, and bedded chert  
Tkj, Jasper-bearing beds

**Paleozoic(?) and Mesozoic(?)**  
Mfs Sedimentary and metamorphic rocks undivided

**Paleozoic(?)**  
Pm, Pmv Nakwasna Group  
Metachert, volcanic rocks, granitoids, and argillite; small amounts of graywacke, phyllite, calcareous siltstone, schist, and amphibole hornfels  
Pm, marble lenses and layers  
Pmv, scoriaceous and calcareous volcanic breccia

**Paleozoic(?)**  
Pig, Pm Gneiss and schist  
Gneiss and schist containing quartz, feldspar, mica, amphibole, and garnet  
Pm, marble and calc-silicate rock

**Paleozoic(?)**  
Pca, Pcc Amphibolite and metachert  
Granular hornblende-plagioclase rock  
Pcc, bedded metachert and subordinate marble

**UNCONFORMITY**  
DISCONFORMITY OF LOCAL ANGULAR UNCONFORMITY?

**UNMAPPED AREA**

**Contact**  
Dashed where approximately located; short dashed where inferred; dotted where concealed

**Fault or shear zone, showing relative movement and dip**  
Dashed where approximately located; short dashed where inferred; dotted where concealed

**Reverse fault, showing dip**

**Conspicuous lineament**  
Probably bedding or contact. Interpreted from aerial photographs

**Overtaken anticline**  
Showing trace of axial plane, direction of dip of limbs, and bearing of axis. Flunge unknown. Dotted where concealed

**Overtaken syncline**  
Showing trace of axial plane, direction of dip of limbs, and bearing of axis. Flunge unknown. Dotted where concealed

**Bearing and plunge of overturned small fold**

**Plunge of minor anticline**

**Plunge of fold axis**  
Beds too tightly folded to show individual folds separately. May be combined with bedding or foliation symbols

**Horizontal fold axis**

**Strike and dip of axial plane of small fold and bearing and plunge of axis**

**Strike of vertical axial plane of small fold and plunge of axis**

**Bearing and plunge of lineation**  
Point of observation at base of arrow. Includes striations, grooves, mineral alignment, bedding, malions, bedding-cleavage intersections, includes fold axes. May be combined with bedding or foliation symbols

**Strike and dip of beds**

**Strike and dip of beds**  
Top of beds known from sedimentary structures

**Strike and dip of overturned beds**

**Strike and dip of overturned beds**  
Top of beds known from sedimentary structures

**Strike of vertical beds**

**Strike of vertical beds**  
Top of beds known from sedimentary structures

**Horizontal beds**

**Strike and dip of foliation**

**Strike of vertical foliation**

**Strike and dip of cleavage**

**Strike of vertical cleavage**

**Strike and dip of joint or joint set**

**Strike of vertical joint or joint set**

**SELECTED COMBINED SYMBOLS**

**Strike of parallel vertical beds and foliation**

**Strike of parallel vertical beds and joints**

**Attitude of beds and foliation parallel in strike but differing in dip**

**Attitude of beds and foliation parallel in strike and dip**

**Attitude of beds and axial plane of small fold parallel in strike and dip**

**Strike and dip of bedding showing lineation which plunges parallel to bedding**

**Strike and dip of bedding showing small fold axis which plunges parallel to bedding**

**Strike and dip of foliation showing small fold axis which plunges parallel to foliation**

**Base from U. S. Geological Survey Topographic quadrangle: Sitka, Alaska, 60' x 160'**

**Geology by H. C. Berg, D. W. Hunkley, and others (See compilation diagram)**

RECONNAISSANCE GEOLOGIC MAP OF NORTHERN BARANOF ISLAND, ALASKA

