

LEGEND

QUATERNARY

PLEISTOCENE AND RECENT

12 Boulder clay; stratified sands, gravels, and clays; beach deposits; recent alluvial deposits

TERTIARY

EARLY MIOCENE (?)

11 DIVISION D: marine, greenish to bluish grey, limy sandstone, grading locally into sandy shell-limestone; gritty, limy sandstone; minor grit and pebble-conglomerate (on Sheet 2 only)

OLIGOCENE

10A 10B DIVISION C: **10A**. Marine to continental: coarse, commonly gritty, resistant sandstone and conglomerate; pebbly shale and siltstone, medium-grained sandstone; minor sandy siltstone and shale; minor shale; a little coal. **10B**. Prevailing marine: multicoloured, laminated shale and grey shale and siltstone; fine- to medium-grained, weak clayey sandstone; minor, medium- to coarse-grained, resistant sandstone; pebbly shale and siltstone, minor grit and pebble-conglomerate; locally includes a little coal

OLIGOCENE

9 DIVISION B: marine, ash-grey, fissile to massive shale, with concretions and beds of impure limestone; minor sandy shale and siltstone; minor sandstone (on Sheet 2 only)

OLIGOCENE

8 DIVISION A: marine, coarse, resistant, partly limy sandstone and pebble- to boulder-conglomerate; gritty sandstone; medium- to fine-grained, partly concretionary sandstones; minor, clayey, fine- to medium-grained sandstone; minor sandy shale and siltstone

JURASSIC

MIDDLE JURASSIC (?)

6 7 COAST INTRUSIONS
6. Light grey to whitish grey, acidic granitic rocks and associated minor intrusions
7. Grey to dark grey, dioritic to gabbroic rocks and associated minor intrusions

JURASSIC

LOWER JURASSIC

4 VOLCANIC DIVISION:
Intermediate to basic lavas, tuffs, and breccias; minor tuffaceous strata; slates and schists. May include some undifferentiated Upper Triassic rocks (on Sheet 2 only)

TRIASSIC

UPPER TRIASSIC

3 SEDIMENTARY DIVISION:
Mainly argillite and slate; greywacke and impure limestone; minor, intercalated, intermediate to basic lavas, tuffs, and breccias; includes some slates and schists of uncertain origin (on Sheet 2 only)

UPPER TRIASSIC AND (?) EARLIER

2 QUATSINO FORMATION: crystalline, tuffaceous, and impure limestones; variable but mostly minor volcanic rocks

UPPER TRIASSIC AND (?) EARLIER

1 1A KARMUTSEN GROUP
Basic to intermediate porphyritic to amygdaloidal lavas, tuffs, and breccias; schists and, locally, whitish masses of cherty rock; minor, intercalated limestone; **1A**. Mainly limestone

5 Various schistose rocks of uncertain origin; intermediate to basic lavas, tuffs, and breccias; slate, impure limestone, tuffaceous limestone and argillites; greywacke, sandstone, and chert

Bedding (inclined, vertical, overturned)
Fault (defined, assumed, arrow indicates direction of dip)
Shear zone (approximate width indicated)
Anticlinal axis (position approximate)
Synclinal axis (position defined, position approximate, arrow indicates direction of plunge)
Fossil locality
Mineral occurrence or prospect

MINERAL OCCURRENCES OR PROSPECTS

- 1** Hesquiat Lake (copper and (?) iron)
2 Hesquiat Lake (iron and (?) copper)
3 Refuge Cove (copper)
4 Rafael Point (copper, lead, and zinc)

Geology by J.A. Jeletzky, 1951-52

Roads
Building
Telephone line
Triangulation station
Navigation light
Low tide boundary where observed (approximate)
Intermittent stream
Marsh
Contours (interval 500 feet)
Height in feet above mean sea-level

Approximate magnetic declination, 23° 55' East

Cartography by the Geological Cartography Division, 1954

Air photographs covering this map-area may be obtained through the National Air Photographic Library, Topographical Survey, Ottawa, Ontario

Geographical names subject to revision

