



- LEGEND**
- QUATERNARY RECENT**
- O Recent sediments
  - Qc CAPILANO SEDIMENTS: sand, gravel, silt, clay
  - Qv YASLOW DRIFT: gravel, sand, silt
  - Qd QUADRA SEDIMENTS: sand, gravel (includes some older beds)
- TERTIARY OLIGOCENE AND/OR MICENE**
- Ts SOOKE FORMATION: conglomerates, sandstone, shale
- Eocene (and older)**
- Tg GATAGEA INTRUSIONS: quartz diorite, agmatite
  - Tm1 METCHOSIN VOLCANICS: Tm1: pillow basalt, breccia, tuff; Tm2-Tm10: mainly basaltic lava; Tm11-Tm15: schistose meta-basaltic rock
  - Tso SOOKE GABBRO: mainly gabbro
- CRETACEOUS**
- Upper Cretaceous
  - NANAIMO GROUP (Kc to Ka)
  - Ka GARDOLA FORMATION: sandstone, conglomerate; minor siltstone, shale
  - Ks SPRAY FORMATION: shale, siltstone; minor sandstone
  - Kg GEOFFREY FORMATION: sandstone, conglomerate; minor siltstone, shale
  - Kk NORTHAMBLAND FORMATION: shale, siltstone; minor sandstone
  - Kdc DE QUAY FORMATION: sandstone, conglomerate; minor siltstone, shale
  - Kcd CEDAR DISTRICT FORMATION: shale, siltstone; minor sandstone
  - Ker EXTENSION-PROTECTION FORMATION: sandstone, conglomerate; minor siltstone, shale
  - Kr HASLAM FORMATION: shale, siltstone; minor sandstone
  - Kc COMOX FORMATION: sandstone, conglomerate; minor siltstone, shale
- JURASSIC AND CRETACEOUS**
- Upper Jurassic and Lower Cretaceous
  - Jks SPIEDEN FORMATION: conglomerate, sandstone, siltstone
- TRIASSIC TO CRETACEOUS**
- Leech River Formation (M.C. to M.L.)
  - Metasiltstone Unit: metasiltstone, meta-arkose, quartz-feldspar breccia schist
  - Argillite-Metaregynack Unit: thin bedded greywacke and argillite, slate, phyllite, quartz-biotite schist
  - M.C. CHEST ARGILLITE VOLCANIC UNIT: ribbon schist, cherty argillite, meta-phyllite, meta-basalt, chlorite schist
  - M.C. CONSTITUTION FORMATION (San Juan Island): thin bedded greywacke, argillite and chert
- JURASSIC**
- Lower to Middle Jurassic
  - Jg ISLAND INTRUSIONS: granodiorite, quartz diorite
  - Bonzan Group
  - Ja Basaltic to rhyolitic tuff, breccia, flows, minor argillite, greywacke
- TRIASSIC AND/OR JURASSIC**
- Tlo ORCAS FORMATION (San Juan Island): ribbon schist, minor tuff, breccia, lava
- TRIASSIC**
- Triassic
  - Ts HARO FORMATION (San Juan Island): volcanoclastic sandstone, breccia, argillite
  - Tv VANCOUVER GROUP
  - Tk KARUMETON FORMATION: pillow basalt, breccia tuff, minor flows
- PERMIAN AND/OR TRIASSIC**
- Pv Unmetamorphosed volcanic (San Juan Island, Saanich Peninsula): basaltic to dioritic lava, breccia, tuff, minor limestone
  - Pt Limestone
- PENNSYLVANIAN AND PERMIAN**
- Pb BUTTE LAKE FORMATION: limestone, greywacke, argillite
- PENNSYLVANIAN AND MISSISSIPPIAN**
- Pss SEDIMENT-SILL UNIT: argillite, greywacke, chert, diabase sills
- LOWER DEVONIAN AND OLDER**
- Pd SALTSPRING INTRUSIONS: metagranodiorite
  - Pm MYRA FORMATION: well bedded siliceous tuff and breccia, argillite, phylloclastic flow and dikes, minor basalt tuff, quartz-sericite schist, phyllite, massive sulphides
  - Pn NITMAT FORMATION: pillow lava and breccia of argillite (rarely) porphyry, basalt tuff, chlorite-actinolite schist
- LOWER PALEOZOIC (OR YOUNGER)**
- Pc COLOUZZ GNEISS: quartz-feldspar gneiss
  - Pw WARK GNEISS: massive and pegmatite meta-igneous, metabasaltic, amphibolite
- Geological boundary (approximate)**
- Fault (approximate)
  - Asymmetrical axis
  - Symmetrical axis
  - Bedding (inclined, vertical, overturned)
  - Foliation (inclined, vertical, with plunge of lineation)
  - Geosyncline (inclined, vertical)
- Geology by J.E. Miller, 1970, 1980  
Compilation by J.E. Miller, 1970, 1980  
Geological cartography by the Geological Survey of Canada  
Any revisions or additional geological information known to the user would be reflected by the Geological Survey of Canada  
Base map at the scale of 1:125 000 published by the Map Production Division, Survey and Mapping Branch, British Columbia Lands Service, Department of Environment, in 1975. Roads and type were revised by the Geological Survey of Canada for this edition.  
Mean magnetic declination 1981, 21° 31' E. Decl. decreasing 8.0' annually. Readings vary from 21° 14' E. in the SE corner to 21° 48' E. in the NW corner of the map area.  
Elevations in metres above sea level

**INTRODUCTION**

This map area encompasses the southern part of Vancouver Island, most of the southern Gulf Islands and the western part of the Strait of Georgia. It covers the City of Victoria, the City of Esquimalt and the City of Nanaimo. The map area is bounded by the Strait of Georgia to the north, the Strait of Juan de Fuca to the south, the Strait of Georgia to the east, and the Strait of Juan de Fuca to the west. The map area is bounded by the Strait of Georgia to the north, the Strait of Juan de Fuca to the south, the Strait of Georgia to the east, and the Strait of Juan de Fuca to the west. The map area is bounded by the Strait of Georgia to the north, the Strait of Juan de Fuca to the south, the Strait of Georgia to the east, and the Strait of Juan de Fuca to the west.

**DESCRIPTIVE NOTES**

The map area is bounded by the Strait of Georgia to the north, the Strait of Juan de Fuca to the south, the Strait of Georgia to the east, and the Strait of Juan de Fuca to the west. The map area is bounded by the Strait of Georgia to the north, the Strait of Juan de Fuca to the south, the Strait of Georgia to the east, and the Strait of Juan de Fuca to the west. The map area is bounded by the Strait of Georgia to the north, the Strait of Juan de Fuca to the south, the Strait of Georgia to the east, and the Strait of Juan de Fuca to the west.

**STRUCTURE**

The structure of the map area is complex, with a variety of geological features. The map area is bounded by the Strait of Georgia to the north, the Strait of Juan de Fuca to the south, the Strait of Georgia to the east, and the Strait of Juan de Fuca to the west. The map area is bounded by the Strait of Georgia to the north, the Strait of Juan de Fuca to the south, the Strait of Georgia to the east, and the Strait of Juan de Fuca to the west.

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