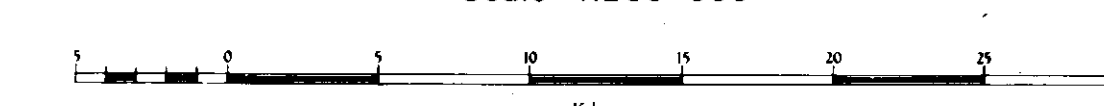




Province of British Columbia
Ministry of Energy, Mines and Petroleum Resources

MINFILE MAP 103B & C MORESBY ISLAND MINERAL OCCURRENCE MAP

Scale 1:250 000



This project is a contribution to the Canada/British Columbia Mineral Development Agreement 1985-1990.

Province of British Columbia Ministry of Energy, Mines and Petroleum Resources
Energy, Mines and Resources Canada

DATE REVISED: APRIL 1989 TOTAL NUMBER OF OCCURRENCES: 79

LEGEND

| STATUS | INDEX |
|--------------------|----------------|
| Producer | 103F 103G 103H |
| Past Producer | 103A |
| Developed Prospect | 103B |
| Prospect | 103C |
| Showing | 103D 103E |

MINFILE NUMBER NAME COMMODITY(S)

| | | |
|---------|------------------------|--------------------------------|
| 103B001 | IRON ORE (L.2331-2333) | Fe, Mn |
| 002 | GEORGE ISLAND | Cu |
| 003 | LAST CHANCE | Cu, Ag, Au |
| 004 | HAMEL WEST | Au, Zn, Cu |
| 005 | RABBIT ISLAND | Bi |
| 006 | HULLY ISLAND | Cu, Zn, Au, Ag |
| 007 | ALDER GOLD | Au |
| 008 | AREX | Fe, Cu, Ag |
| 009 | SMIDE | Cu, Ag, Pt, Au |
| 010 | SMITHE ISLAND PLACER | Au |
| 011 | ARCHIE ADIT CREEK | Fe, Cu |
| 012 | ELLEN | Au |
| 013 | LOBSTAK | Fe |
| 014 | HOTSPRING ISLAND | Fe, Sn |
| 015 | YAKULAKA | Mo, Cu |
| 016 | JOHNSON WICKEL | Bi, Cu |
| 017 | ALDER ISLAND | Au, Cu, Ag, Mo, As, Sb |
| 018 | HICKS SHOALS | Cu, Mo, Bi |
| 019 | MAC | Fe, Mn |
| 020 | JIB | Fe, Mn, Cu, Ti |
| 021 | SKINCUTTER ISLAND | Cu, Fe, Mn |
| 022 | EAST COPPER ISLAND | Cu, Ag, Fe, Mn |
| 023 | GOSER | Fe, Cu, Mn |
| 024 | LUCKY SEVEN | Fe, Cu, Mn |
| 025 | TIP | Fe, Mn |
| 026 | JESSE | Fe, Mn, Cu |
| 027 | ADONIS (L.1965) | Cu, Ag, Au, Fe, Mn |
| 028 | LILY | Cu, Fe, Mn |
| 029 | ROSE (L.1871) | Fe, Mn |
| 030 | YESS (L.1429) | Cu, Fe, Mn |
| 031 | MOOD (L.83) | Cu, Fe, Au, Ag |
| 032 | NEO (L.82) | Cu, Fe, Au, Ag, Mn |
| 033 | BLUE BELLE (L.80) | Fe, Mn |
| 034 | MAHET | Fe, Mn |
| 035 | COPPER QUEEN (L.77) | Cu, Fe, Mn |
| 036 | MORESBY ISLAND (L.76) | Cu, Fe, Mn |
| 037 | EAGLE TREE (L.2505) | Fe, Mn |
| 038 | ISA | Cu, Au, Fe, Mn |
| 039 | HERCULES | Cu, Ag, Au |
| 040 | LETO (L.1060) | Fe, Mn, Cu, Ag, Au |
| 041 | HUMBER (L.2611) | Cu, Fe, Ag, Au, Au |
| 042 | NEAL TICKET | Cu, Fe, Ag, Au |
| 043 | NEAL LEAF | Cu, Fe, Ag, Au |
| 044 | WIRELESS | Cu, Ag |
| 045 | OSMATIC | Cu, Ag |
| 046 | PLINGER | Fe, Cu, Mn |
| 047 | CANNISTON | Cu, Ag, Au, Mn, Fe |
| 048 | LAUSCOOM | Cu |
| 049 | SARAT | Cu |
| 050 | COPPER COIN | Fe, Cu, Mn |
| 051 | TREAT BAY | Fe, Cu, Mn |
| 052 | FLO | Cu, Fe, Mn |
| 053 | CARPENTER BAY | Cu, Fe, Mn |
| 054 | HOP | Cu, Fe, Mn |
| 055 | RASPBERRY COVE | Cu |
| 056 | CARPENTER | Cu |
| 057 | HEG | Cu |
| 058 | MCCORMACK COVE | Fe |
| 059 | KINGHIT ISLAND | Fe |
| 060 | KUNGA ISLAND | Fe |
| 061 | LIMESTONE ISLAND | Fe |
| 062 | CRESCENT | Au, Ag, Mo, Zn |
| 063 | HIGHGRADE | Au, Ag, Cu |
| 064 | APRIL | Au |
| 065 | ROSE | Au, Cu, Mo |
| 066 | LOCKE | Au |
| 067 | WATER LILY (L.93) | Fe, Mn, Cu |
| 068 | COLLIAR CREEK | Au |
| 069 | DANLON CREEK | Cu, Ag, Au, Fe, Mn |
| 070 | COLLISON BAY ADIT | Cu, Ag, Au, Fe |
| 071 | ARCHIE (CAMP CREEK) | Au |
| 072 | ARCHIE | Au |
| 103C001 | EARLY BIRD | Au, Ag, Cu |
| 002 | KALDA GOLD | Au, Ag, Cu |
| 003 | TASU | Fe, Cu, Ag, Au, Mn |
| 004 | GARNET | Cu, Mo, Fe, Zn, Ag, Au, Pb, Mn |
| 005 | OLD TASU TOWNSITE | Mo, Fe, Cu |
| 006 | OP | Cu, Ag |
| 007 | SHC | Au |

Geological Legend

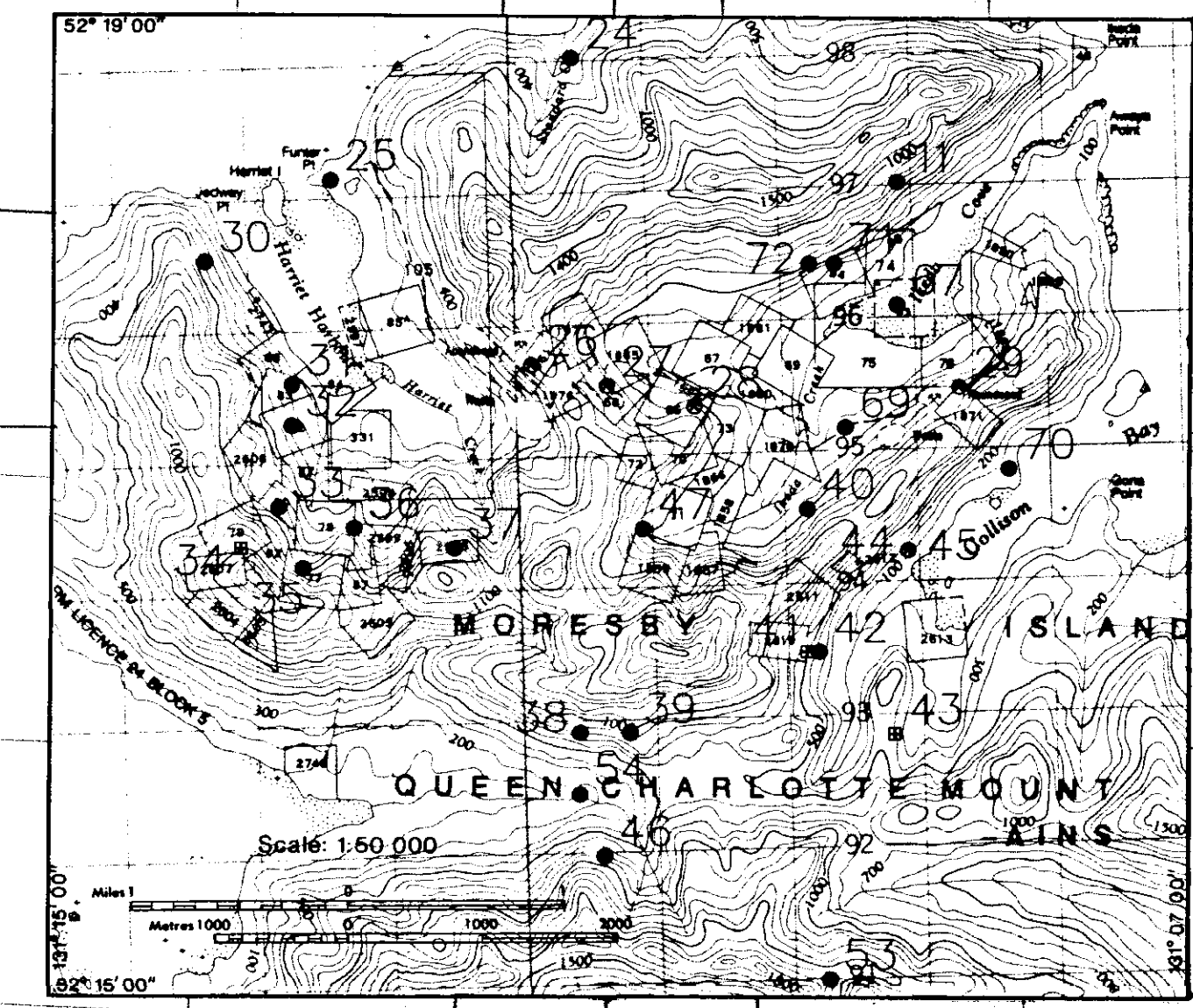
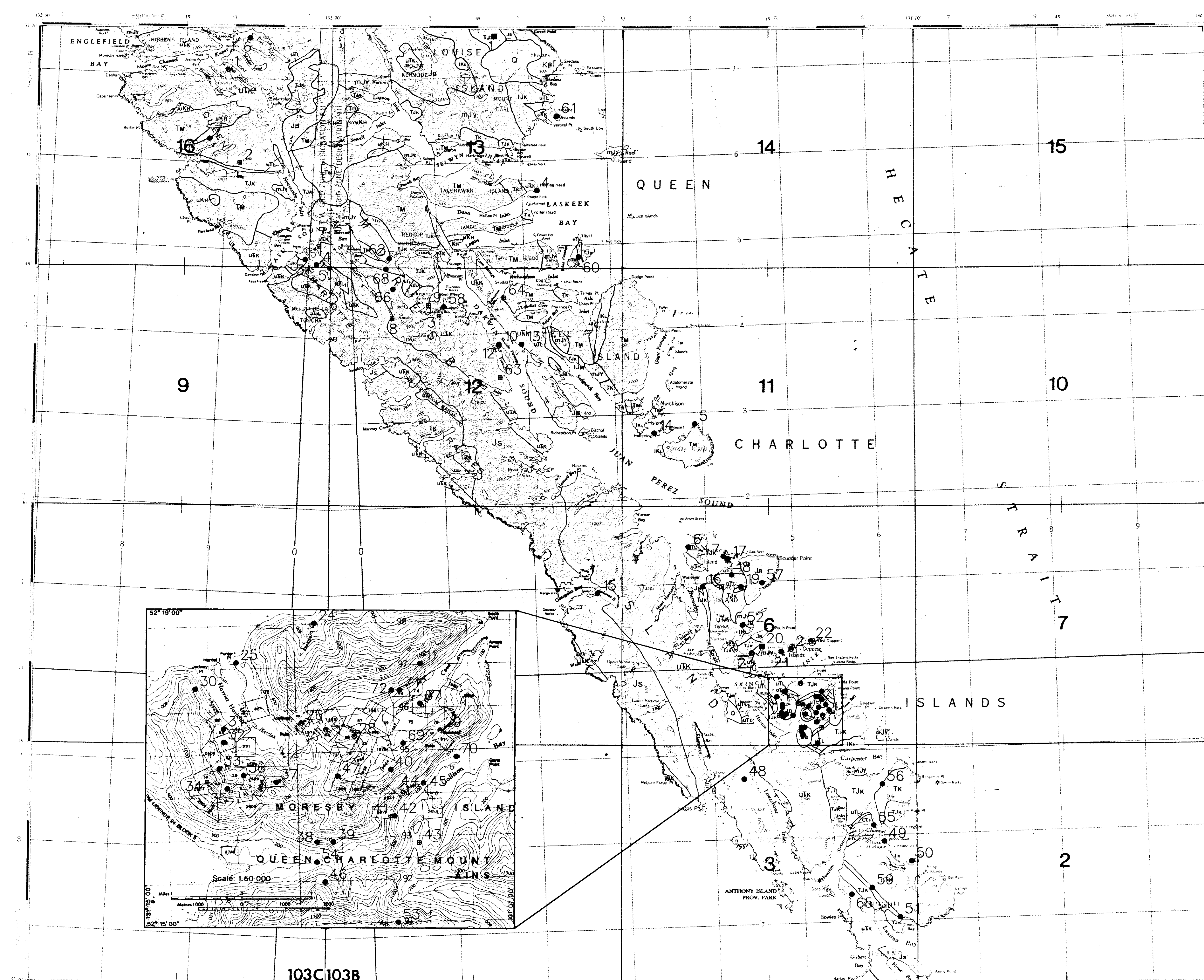
- QUATERNARY**
PLEISTOCENE TO RECENT
- Q** Recent alluvium; Pleistocene till, marine drift and outwash sands.
- TERTIARY**
MIOCENE TO EARLY PLIOCENE
- SKONUN FORMATION**
TS Sandstone, conglomerate, shale, and coal.
- EOCENE TO EARLY PLIOCENE
- MASSET FORMATION** and related volcanic rocks
 - TM** Volcanic flows and pyroclastic rocks; intercalated aphyric, mafic to felsic lava flows and pyroclastic rocks; minor local epiclastic interbeds.
- EOCENE TO LATE OLIIGOCENE
- KANO PLUTONIC SUITE** (U-Pb: 27-46 Ma; K-Ar: 24-40 Ma)
 - TK** Fine-grained, seriate and locally microlitic hornblende-biotite quartz monzonite; biotite granite and quartz diorite and gabbro; hornblende-biotite-plagioclase porphyry; rare agmatite.
- CRETACEOUS**
LOWER AND UPPER CRETACEOUS
- QUEEN CHARLOTTE GROUP**
CONIACIAN AND YOUNGER
 - HONNA FORMATION**
 - UKH** Conglomerate, sandstone; shale.
- ALBIAN TO TURONIAN
- HADA FORMATION**
 - KH** Sandstone; shale.
- SKIDEGATE FORMATION**
- KS** Shale; sandstone.
- HAUTERIVIAN TO APTIAN
- LONGARM FORMATION**
 - IKL** Sandstone, feldspar-litic wacke, conglomerate and pebbly sandstone; shale, concretionary shale, minor sandstone.
- JURASSIC TO TRIASSIC**
MIDDLE TO LATE JURASSIC
- BURNABY ISLAND PLUTONIC SUITE** (U-Pb: 165 Ma; K-Ar: 145-164 Ma)
 - JB** Medium-grained, equigranular, intensely veined biotite-hornblende quartz monzonite; biotite-hornblende-biotite quartz monzonite; (muscovite-) biotite trondjemite; hornblende gabbro and diorite.
- SAN CHRISTOVAL PLUTONIC SUITE** (U-Pb: 171-172 Ma; K-Ar: 145-166 Ma)
- JS** Medium-grained, equigranular, mafic inclusion-bearing (biotite-) hornblende quartz diorite, quartz monzonite and diorite; unit included Hunter Point-Kindakun Point and Berestford agmatite complexes. Prismatic hornblende and foliated inclusions are characteristic.
- MIDDLE JURASSIC**
EARLY BAJOCIAN
- YAKOUN GROUP** undivided
 - mJY** Sandstone; breccia; phytic and aphyric flows; conglomerate.
- LOWER JURASSIC**
SINEMURIAN TO ALENIAN
- MAUDE GROUP** undivided
 - IJM** Shale, minor laggy limestone; tuffaceous sandstone, shale, limestone, shale, minor sandstone, septarian nodules, limestone modules; drabulous dark shale.
- UPPER TRIASSIC AND LOWER JURASSIC**
KUNGA GROUP undivided
- TJK** Limestone, fine sandstone.
- LATE NORIAN AND SINEMURIAN**
SANDILANDS FORMATION
- TJS** Fine sandstone, limestone, tuffaceous sandstone.
- UPPER TRIASSIC**
LATE CARNIAN TO MIDDLE NORIAN
- UTL2** Unnamed black and grey limestone units undivided: Massive, grey crystalline limestone; grey, medium-bedded limestone.
- EARLY TO MIDDLE NORIAN
- UTL1** Unnamed black limestone unit: Dark grey, medium-bedded limestone.
- LATE CARNIAN AND EARLY NORIAN
- UTL** Unnamed grey limestone unit: Massive, crystalline, grey limestone.
- VANCOUVER GROUP**
CARNIAN AND EARLIER?
- KARMTSEN FORMATION**
 - UTK** Massive basalt flows; breccia; tuff.

Geological legend derived from:
Thompson, R.I. (compiler) (1989). Preliminary draft legend of the Queen Charlotte Islands; Geological Survey of Canada.

Geological base derived from:
Sutherland Brown, A. (1968). Geology of the Queen Charlotte Islands, British Columbia; Figure B. 1:125,000; Energy Mines and Petroleum Resources, Bulletin 54.

Hutchison, W.W., Berg, H.C. and Okulitch, A.V. (compilers) (1979). Skeena River; Geological Survey of Canada, Map 1385A, 1:1,000,000.

Anderson, R.G. and Graig, C.J. (1989). Jurassic and Tertiary Plutonism in the Queen Charlotte Islands, British Columbia; Geological Survey of Canada, Paper 89-1H.



Topographic base map and topographic inset produced by SURVEYS AND MAPPING BRANCH, ENERGY, MINES AND RESOURCES CANADA.