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 OLIGOCENE
KANO PLUTONIC SUITE (U-Pb: 27-46 Ma; K-Ar: 24-40 Ma)

Tk — *Fine-grained, seriate and locally miarolitic hornblende-biotite quartz monzodiorite; 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
HAIDA FORMATION

KH — *Sandstone; shale.*

SKIDEGATE FORMATION

Ks — *Shale; sandstone.*

HAUTERIVIAN TO APTIAN
LONGARM FORMATION

lKL — *Sandstone, feldspar-lithic 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 monzodiorite; hornblende-biotite quartz monzonite; (muscovite-) biotite trondhjemite; 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 monzodiorite and diorite; included Hunter Point-Kindakun Point and Beresford agmatite complexes. Prismatic hornblende and foliated inclusions are characteristic.*

MIDDLE JURASSIC
EARLY BAJOCIAN
YAKOUN GROUP undivided

mJY — *Sandstone; breccia; phyric and aphyric flows; conglomerate.*

LOWER JURASSIC
SINEMURIAN TO AALENIAN
MAUDE GROUP undivided

lJM — *Shale, minor flaggy limestone; tuffaceous sandstone, sandstone, shale, limestone; shale, minor sandstone, septarian nodules, limestone modules; bituminous 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?
KARMUTSEN FORMATION

uTK — *Massive basalt flows; breccia; tuff.*

Geological legend derived from:

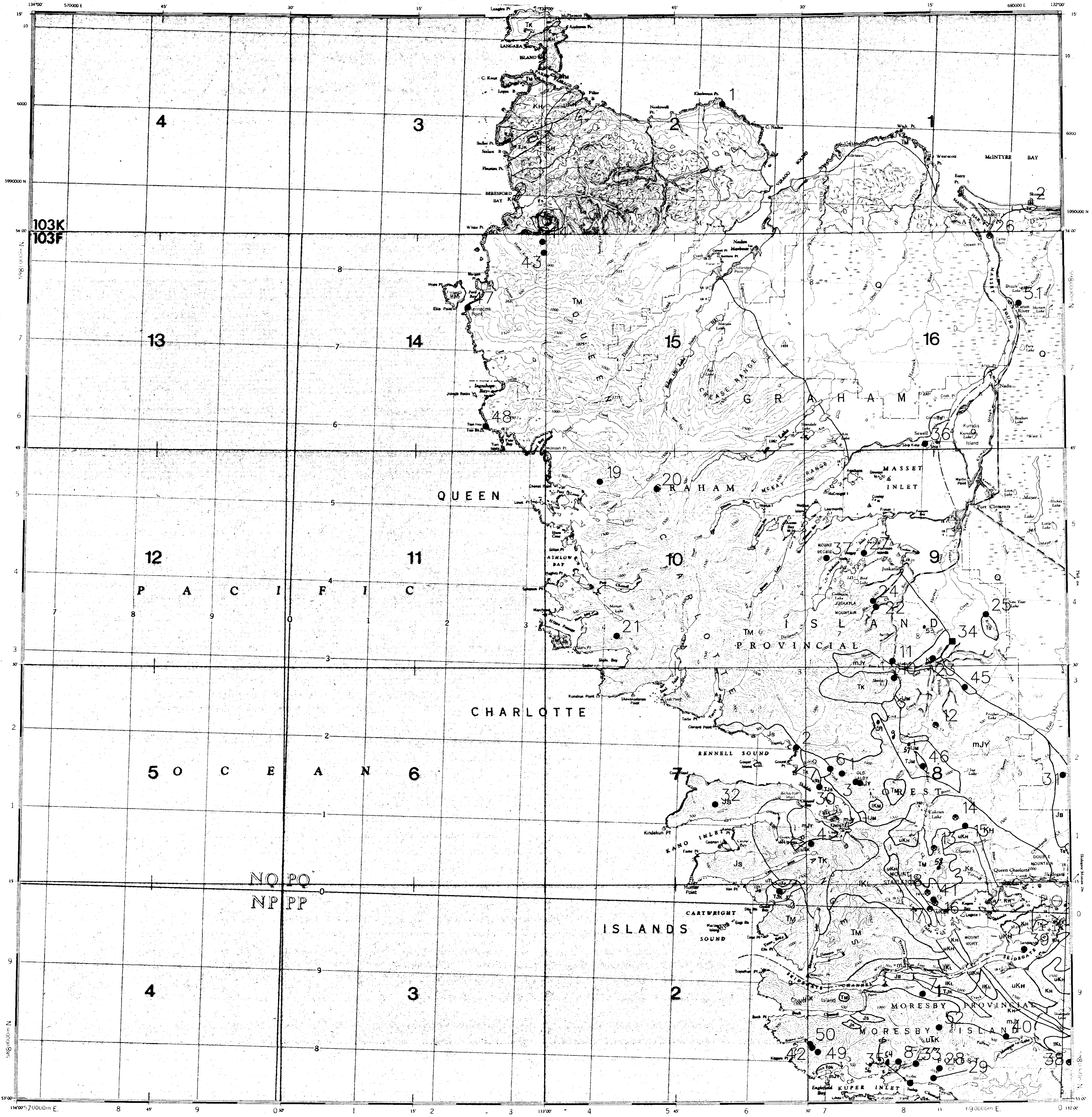
Thompson, R.I. (compiler)(1989): *Preliminary draft legend of the Queen Charlotte Islands;* Geological Survey of Canada.

Geological base derived from:

Sutherland Brown, A (1968): *Geology of the Queen Charlotte Islands, British Columbia;* Figure 5, 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 Greig, C.J. (1989): *Jurassic and Tertiary Plutonism in the Queen Charlotte Islands, British Columbia;* Geological Survey of Canada, Paper 89-1H.



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

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

MINFILE MAP 103F & K
GRAHAM ISLAND
AND PART OF
DIXON ENTRANCE
MINERAL OCCURRENCE MAP

Scale 1:250 000

Kilometres

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 — Énergie, Mines et Ressources Canada

DATE REVISED: APRIL 1989
DATE UPDATED: MAY 1993

TOTAL NUMBER OF OCCURRENCES: 54
: 55

LEGEND

STATUS

- Producer
- Past Producer
- Developed Prospect
- Prospect
- Showing

INDEX

Pacific		103J
Ocean		103G
	103C	103B

MINFILE NUMBER	NAME	COMMODITY(S)
103F 001	GUMBO	Au,Ag,Sb
002	POINT	Sb,Ag
003	COURTE	Sb,Au,Ag,Pb,Zn
004	NORTHWESTER	Cu,Fe
005	GUDAL	Cu,Fe
006	NEEDLES	Au,Ag
007	DOWNIE ISLAND SHOWING	Cu
008	SECURITY	Cu,Zn
009	STIB	Au,Sb,Ag,Pb,Zn,As
010	MARIE LAKE (ROCKHOUND)	Au
011	MARIE LAKE (PROSPECTOR)	Au
012	WILSON CREEK	Cl
013	ROBERTSON	Cl
014	ANTHRACITE	Cl
015	YAKOUN LAKE	Cl
016	SLATECHUCK	Cl
017	COWGITZ	Cl
018	SLATECHUCK CREEK	St,Ar
019	IRONSIDE MOUNTAIN	Pe,Vg
020	COATES CREEK	Pe,Vg
021	SKELU BAY	Pe,Vg
022	BLACKWATER PERLITE	Pe,Vg
023	CANOE CREEK	Pe,Vg
024	BLACKWATER CREEK	Bn
025	YAKOUN RIVER	De
026	BLUE JACKET CREEK	Au,Pt,Fe,Ti,Zr
027	DOME	Au
028	SECURITY(AB)	Au
029	SECURITY(OVERPROOF)	Au
030	NRM	Cu
031	MINO	Cu,Mo,Zn,Pb
032	BRENDAR	Au,Cu,Mo
033	SECURITY(B)	Au
034	CINOLA	Au,Ag,Hg,Cu,Zn
035	SECURITY(OP 6)	Cu
036	SHIP KIETA ISLAND	Vg
037	JUSKATLA INLET	Vg
038	GILLATT ARM	Ls
039	SANDILANDS ISLAND	Ls
040	MOSQUITO LAKE	Ls
041	GRAHAM ISLAND CLAY	Cy,Cl
042	BATEAUX (C)	Au
043	INCONSPICUOUS 4	Au,Sb
044	INCONSPICUOUS 6	Au,Sb
045	SEVEN	Au,Zn,Pb,Cu,Ag
046	SHALE	Bm
047	FREDERICK ISLAND	Bm
048	TIAN POINT	Bm
049	BATEAUX (B & D)	Au
050	BATEAUX (A)	Au
051	LOWLAND PEAT	Pa
052	CIMADORO	Au,Ag,Zn,Cu,Ba,Pb
053	FLORENCE CREEK	Vg
054	MATAJUR (A ZONE)	CU,AG
055	HOOD	ZN,CU,PB,AG
056	ROD	CU
057	YAKOUN RIVER OIL SHALE	BM
058	SUPERBABE	MO
059	STEVEN	AS, SB, HG
103K 001	SHAG ROCK	Mn
002	SKONUM POINT	Cl