



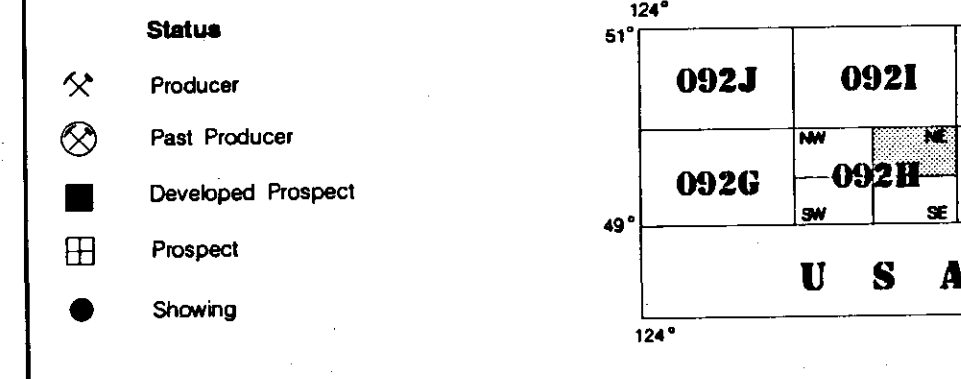
MINFILE MAP NTS 092HNE TULAMEEN

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Date Revised: December 1992
Scale 1:100 000



Total Number of Mineral Occurrences: 303



GEOLOGICAL LEGEND

STRATIFIED ROCKS

CENOZOIC

QUATERNARY

Qa Pleistocene and Recent
Unconsolidated alluvial, glaciofluvial and lacustrine deposits, till, colluvium, and sandstone

Phv Valley Basalt: Basaltic flows

TERTIARY

MIOCENE AND PLEISTOCENE

Mbv Plateau Basalt: Basalt, olivine basalt, minor tuff

Eocene

PRINCETON GROUP (EPs, EPv)

EPs Sandstone, conglomerate and argillite (includes ALLENBY FORMATION)

EPv Intermediate and local mafic and felsic flows, volcanics

MESOZOIC

CRETACEOUS

MIDDLE AND UPPER CRETACEOUS

Ksb SPENCES BRIDGE GROUP: Intermediate, locally felsic and mafic crystal-tuff tuffs and flows, sandstone, shale and conglomerate

KstS SPRUS CREEK FORMATION OF SPENCES BRIDGE GROUP: Mafic volcanics

Ks Chert-grain sandstone and conglomerate

TRIASSIC

UPPER TRIASSIC

NICOLA GROUP (TNw, TNc, TNn, TNs)

TNw Undifferentiated mafic to felsic volcanics and minor argillite

TNc Western Volcanic Facies: Felsic to intermediate pyroclastics, argillite, local carbonate

TNn Central Volcanic Facies: Intermediate felsitic and felsitic porphyry pyroclastics and flows, local carbonate

TNs Eastern Volcanic Facies: Mafic, andesite and hornblende porphyritic pyroclastics and flows (mapped as TN in the Penikese Mountain area)

TP PEACHLAND CREEK FORMATION: Felsitic porphyry subvolcanic intrusions, mafic to felsic tuffs and felsic flows

TNt Sedimentary Facies: Argillite, sandstone, tuff and local breccia and conglomerate (mapped as TNw and TNs in the Penikese Mountain area)

TW WHISTLE CREEK FORMATION: Massive to bedded andesitic ash and tuff, local breccia

TS STEMWINDER MOUNTAIN FORMATION: Argillite, siliceous siltstone and limestone, minor polymictic conglomerate and ash tuff

CENOZOIC

INTRUSIVE ROCKS

TERTIARY

EARLY TERTIARY

eTg Granitic intrusions (including "Oter Intrusions")

eTn Intrusions of intermediate composition

MESOZOIC

CRETACEOUS

MIDDLE AND LATE CRETACEOUS

mKgd SUMMERS CREEK STOCKS: Mainly granodiorite, some quartz monzonite and diorite

mKg ALLISON CREEK STOCKS: Mainly granite, also syenodiorite, monzonite and granodiorite

LATE JURASSIC AND EARLY CRETACEOUS

JKgd EAGLE PLUTONIC COMPLEX: Foliated granodiorite, muscovite-biotite granite

JURASSIC

MIDDLE JURASSIC

mJg OSPREY LAKE BATHOLITH: Granite and Granodiorite

eJg PENNAK AND BROMLEY BATHOLITHS: Granodiorite

EARLY JURASSIC

eJg, e, e, e TULAMEEN ULTRAMAFIC COMPLEX: Syenogabbro, clinopyroxenite, dunite

eJg Ultramafic stocks related to the TULAMEEN ULTRAMAFIC COMPLEX

LATE TRIASSIC AND EARLY JURASSIC

TJg Granodiorite, granite, quartz monzonite and minor diorite (includes Allison Lake Pluton)

TJd Diorite, quartz diorite and monzonite, usually as small stocks in the NICOLA GROUP

TJm Monzonite and syenite, as small stocks in the NICOLA GROUP

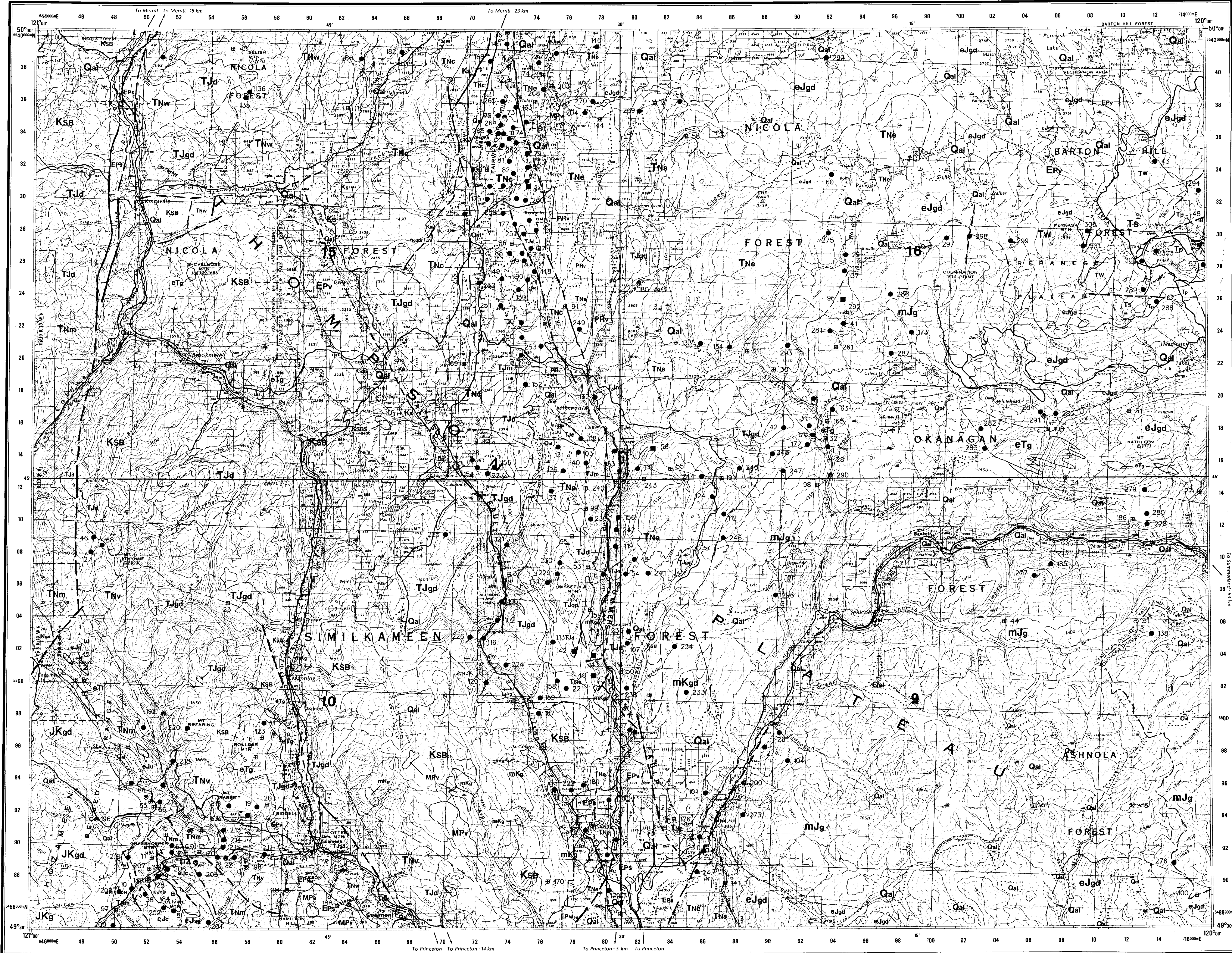
TJp Pyritic quartz porphyry (altered granodiorite/quartz diorite?)

MESOZOIC

TRIASSIC

LATE TRIASSIC

TNw NICOLA GROUP: Amphibolite, foliated diorite, mylonite, chlorite schists and minor limestone. Derived from Nicola Group volcanic and sedimentary facies



MAP LEGEND - 092HNE

MINFILE NUMBER	MINFILE NAME	COMMODITIES
001	FISHER MADEN	CU, PB, AG, AU
002	MALCHITE 12	CU, AG, AU
003	DOE 1	AG, AU
004	DOE 15	AG, AU
005	INDERBIESE (L.1896)	AG, AU
006	NORTH COPPER	AG, AU
007	BRITTON	AG, AU
008	GRAND COPPER MOUNTAIN	AG, AU
009	LEWIS	AG, AU
010	LEWIS	AG, AU
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MAP LEGEND - 092HNE

MINFILE NUMBER	MINFILE NAME	COMMODITIES
101	THALIA	AG
102	LOUIE	AG
103	NELLE	AG, PB, ZN
104	MOSE	AG, PB, ZN
105	MES	AG, PB, ZN
106	CH 1	AG, PB, ZN
107	LEWIS CREEK	AG, PB, ZN
108	LEWIS	AG, PB, ZN
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COMMODITY LEGEND

CODE INDEX	COMMODITY INDEX
AB	Aluminum
AG	Aggregates
AS	Asbestos
AV	Aviation
CA	Calcium
CH	Chromium
CL	Coal
CO	Cobalt
CU	Copper
DI	Diamond
DR	Dry Ice
FE	Iron
LI	Limestone
MA	Magnesium
MO	Molybdenum
NI	Nickel
OL	Olive
OR	Ore
PA	Palladium
PT	Platinum
PR	Praseodymium
RE	Rhenium
SI	Silicon
SO	Sulfur
TA	Tantalum
TE	Tellurium
TI	Tin
VS	Vanadium
WO	Wolframite
ZN	Zinc

Geological legend and base derived from:
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 Monger, J.W.H. (1988). Geology, Hope, British Columbia. Geological Survey of Canada, Map 41-1988, Sheet 1, Scale 1:250,000.
 Nixon, G.T. and Rubie, V.J. (1988). Alaskan-type Ultramafic Rocks in British Columbia. New Concepts of the Structure of the Tulameen Complex. In: Energy Mines and Petroleum Resources, Geological Factbook 1987, Paper 1988-1, Figure 2.3.2.
 Pelt, V.A. (1978). Geology of the Nicola Group between Merritt and Princeton. Energy Mines and Petroleum Resources, Bulletin 59, Figure 1, Scale 1:50,000.