

LEGEND

OVERLAP ASSEMBLAGES

Cretaceous or Tertiary (?)

KTsy syenite

KTp, f biotite-hornblende-feldspar porphyry, felsite

Late Cretaceous Sustut Group

Tango Creek Formation: polymictic conglomerate; sandstone, shale

Early Cretaceous (?)

medium to coarse-grained granodiorite and granite

STIKINE TERRANE

Middle Jurassic

red to pink monzonite, quartz monzonite, monzogranite

Early to Middle Jurassic Hazelton Group

lmJн undivided subaerial , maroon to grey, feldspar phyric andesite to dacite flows and associated pyroclastic and epiclastic rocks

Late Triassic to Early Jurassic

foliated chert pebble conglomerate and chert quartz sandstone; lesser amounts of of siltstone and siliceous argillite

Late Triassic Takla Group

pyroxene-feldspar-phyric basalt and basalt breccia

Late Carboniferous to Permian (?)

slate, slaty siltstone and chert intruded by metagabbro; minor serpentinite and listwanite

CACHE CREEK TERRANE

SITLIKA ASSEMBLAGE

Asitka Group?

Late Triassic to Early Jurassic

Clastic unit: medium to dark grey slate, phyllite, siltstone, sandstone and conglomerate, minor limestone, limestone conglomerate, chert and green chloritic phyllite

Early Triassic

light grey medium to coarse-grained tonalite

Late Permian or Early Triassic

medium-grained epidote-chlorite-feldspar schist to semischist; sericite-chlorite-feldspar schist; weakly foliated chloritized hornblende diorite

Permian to Early Triassic

Volcanic Unit (PTsv-PTsvm)

chlorite-sericite schist containing felsic to mafic metavolcanic fragments and local plutonic fragments; medium to dark green chlorite schist , fragmental chlorite schist and pillowed metabasalt; lesser amounts of quartz-sericite schist, quartz-feldspar porphyry, metadacite; minor metasandstone and metachert

chlorite schist, greenstone, pillowed metabasalt

TEZZEDON SUICCESSIONS

TEZZERON SUCCESSION?

Late Triassic to Early Jurassic (?)

pebble to cobble conglomerate containing clasts of chert, siltstone, wacke, basalt and limestone

feldspathic greywacke, siltstone; locally includes conglomerate and intermediate crystal-lapilli

CACHE CREEK COMPLEX

Permian to Jurassic (?)

light to medium grey quartz phyllite, platy quartzite and metachert; lesser amounts of recrystallized limestone, dark grey phyllite, massive to pillowed greenstone, fragmental greenstone and chlorite schist; minor amounts of metasandstone and blueschist

Permian to Triassic

PTCCI limestone; minor chert, phyllite, basalt

Late Carboniferous to Triassic (?)

greenstone, diabase, gabbro and massive to pillowed metabasalt; locally includes amphibolite, serpentinite, listwanite, slate, ribbon chert and metasandstone

foliated serpentinite, commonly with lenses of massive serpentinized ultramafite

massive limestone; minor basalt, chert, phyllite

serpentinite, serpentinized ultramafite and serpentine-carbonate-talc schist; serpentinite melange containing knockers of greenstone, diabase, amphibolite, chert, limestone; locally includes listwanite, rodingite and nephrite

Carboniferous to Permian (?)

Stretching lineation Crenulation lineation

developed prospect -

Field station ····

prospect -

Alteration zone ...

U-Pb zircon ·····

093N 221 SHANE 093N 222 FRAN 3

Geological boundary defined		
approximate		
inferred		
Fault contact, orientation and displacement unknown		
defined		
approximateinferred		
Thrust fault, teeth in direction of dip		
defined ————————————————————————————————————	-	$\overline{}$
approximate		
inferred		
Anticline	 -	
Syncline	<u>·</u>	·- +
Redding facing known: inclined		•
Bedding, facing unknown: inclined		
Slaty cleavage, schistosity: inclined, vertical	\leftarrow	\leftarrow
Crenulation cleavage: inclined		
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SYMBOLS

MINERAL OCCURRENCES

Axis of mesoscopic fold: synmetamorphic, postmetamorphic ——Fossil location: age determined (with GSC number) macrofossil, conodonts, radiolarian

Isotopic age locality (age in millions of years before present)

Ar-Ar (hb=hornblende; f=fuchsite; wr=whole rock)-----

Mineral occurrence with MINFILE number (prefix 93N)

past producer (abandoned mine) --

Minfile No.	Names	Commodity	Type
093N 004	JO 30	Au, Ag, Pb, Zn, Cu	Au skarn.
093N 008	BRALORNE TAKLA	Hg	Almaden Hg. Silica-Hg carbonate.
093N 009	LUSTDUST	Ag, Zn, Pb, Au, Sb, Cu	Polymetallic veins; manto Ag-Pb-Zn-Au.
093N 017	BRON	Hg	Almaden Hg. Silica-Hg carbonate.
093N 044	VITAL CREEK	Au, Ag, Hg	Placer Au.
093N 045	QUARTZITE CREEK	Au	Placer. Paleoplacer U-Au-PGE-Sn-Ti-diam-
			mag-gar-zir. Jade.
093N 046	HARRISON CREEK	Au, Ag, Hg	Placer Au.
093N 047	TOM CREEK	Au	Placer Au.
093N 048	ALICE CREEK	Au	Placer Au.
093N 049	KELLY CREEK	Au, Ag, Hg	Placer Au.
093N 050	SILVER-KELLY CREEK	Au, Hg, Ag	Placer.
093N 064	VITAL	Jade/Nephrite Gemstones	Placer nephrite.
093N 065	MARIPOSITE	Hg	Almaden Hg. Sillica-Hg carbonate.
093N 110	SOURCE	Au, Ag	Au quartz veins.
093N 124	PINCHI FAULT	Pb, Zn	
093N 125	WEST KWANIKA CREEK	Au, Ag	
093N 126	MYRINDA	Jade/Nephrite Gemstones	Nephrite jade.
093N 127	JO 49	Au, Ag	Alkalic porphyry Cu-Au.
093N 142	HOUSTON NORTH	Hg	
093N 156	OGDEN CREEK	Nephrite	Placer nephrite.
093N 157	LEE	Jade/Nephrite Gemstones	Nephrite jade.
093N 165	OGDEN MOUNTAIN	Jade/Nephrite Gemstones	Nephrite jade.
093N 179	EUREKA	Cu, Au, Ag, Zn	Quartz veins with chalcopyrite.
093N 183	NATION	Au, Arsenic	Epithermal Au-Ag: low sulphidation.
093N 188	QUARTZITE CREEK	Rhodonite, Jade/Nephrite Gemstones	Placer.
093N 195	HUMPHREY	Talc, Chrysotile	
093N 196	AXEL	Au, Ag, Sb, Pb, Cu, Zn	Alkalic porphyry Cu-Au.
093N 198	BRALORNE LIMESTONE	Limestone	Limestone.
093N 220	DON W	Cu, Au	Quartz veins with chalcopyrite.
093N 221	SHANE	Cu	Quartz veins with chalcopyrite.
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SOURCES OF INFORMATION

Jade/Nephrite

Nephrite jade.

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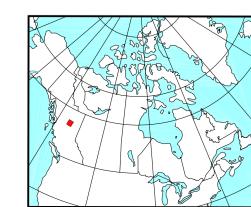
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Geological compilation by P. Schiarizza, B.C. Geological Survey Branch.

Digital cartography by A. Olson

Digital base map from British Columbia Ministry of Environment, Lands and Parks.

Generalized and modified from 1:20000 TRIM digital base maps.

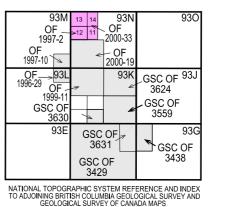
OPEN FILE 2000-33 BEDROCK GEOLOGY OLD HOGEM (Western Part) NTS 93N/11, 12, 13 BRITISH COLUMBIA Scale 1:100 000

Universal Transverse Mercator Projection Zone 10 Magnetic declination 2000, 23°12.1' East, currently decreasing 12.6' annually. Readings vary from 23°0.2' E in the SE corner to 23°23.9' E in the NW corner of the map.

North American Datum 1983

Elevation in metres above mean sea level

Contour interval 100 metres





Canada's National Geoscience Mapping Program
La Programme national de cartographie géoscientifique du Canada