



NTS SHEETS 93E, F, K, L, M, N PART OF NTS SHEETS 93B,C,D,G,J,O; 94B,C,D; 103A,H,I,P; 104A



Kasalka Group unnamed equivalents: Hornblende-feldspar porphyritic andesite to basalt flows and

Asitka Group: Massive, grey, bioclastic limestone; argillaceous, thin bedded, recrystallized limestone

PROTEROZOIC TO PALEOZOIC METAMORPHIC ROCKS related pyroclastics, breccias and epiclastic beds, lesser dacite, rhyoc unns DPAs MESOZOIC with chert nodules; slate, slaty siltstone and chert; sericite and chlorite phyllite and schist; metagabbro, porphyry; sandstone, conglomerate. Upper Proterozoic to Cambrian basalt, rhyolite, tuff; minor serpentinite and listwanite. Misinchinka Group (may include some undifferentiated Miette Group): Phyllite, slitite, slate, diamictite, Middle to Late Jurassic: diorite (dr), gabbro (gb), granodiorite (gd), granite (gr), quartz diorite (qd) and MLJ Mesozoic (includes KT): greenschist to mid-amphibolite facies rocks (gs, ml, mm), calcsilicates (mc) Lower Cretaceous uРЄмs quartzite, feldspathic quartzite, minor iron formation; limestone, dolomite, sandy limestone and orthogneiss (og). and paragneiss (pg); Jgs, KTmc and KTpg. dolomite, minor argillite; quartz chlorite schist, chloritic phyllite, garnet-mica schist, calcareous sericite Gambier Group; Monarch Volcanics, Ottarasko Formation; and equivalents including the Cerulean Big Creek Group: Basalt breccia, tuff and pillows; dacitic and rhyolite tuff; shale, argillite, slate, DPBc schist, amphibolite. IKGa Lake Unit: Conglomerate, sandstone, shale, argillite, minor limestone; basaltic andesite to rhyolite calcareous argillite, limestone, tuffaceous argillite, sandstone, wacke. flows, crystal and lapilli tuff, tuffaceous sandstone, volcanic conglomerate and breccia; schist, PALEOZOIC Early to Middle Jurassic: diorite (dr), granodiorite (gd) and diabase (db). EMJ Gog and Boulder Creek Groups; Badshot (may include some undifferentiated Index Formation), Hota, graphitic schist. Paleozoic (includes PJ): greenschist to lower-amphibolite facies rocks (ml) and undifferentiated Mohican, Marsh Adams and Mount Garnier Formations, and unnamed equivalents: Limestone, JPEGo Stikine Assemblage: Maroon and green tuff, lapilli tuff, volcanic conglomerate, wacke; pyroxene*metamorphic rocks (m);* DTrml, PJml and PPm. siltstone, dolomite; quartzite, pebble conglomerate; alkalic to calc-alkalic basalt, andesite and dacite; DPst Skeena Group: Feldspathic and volcanic sandstone, siltstone, shale, mudstone, chert-pebble phyric agglomerate, breccia, pillowed and massive basalt flows, andesite, minor rhyolite and gabbro; mica schist, marble amphibolite. lKsk conglomerate, minor coal; augite-plagioclase phyric alkaline basalt to basaltic andesite, plagioclase siltstone, sandstone and lesser chert; limestone, bioclastic limestone, calcarenite; foliated Early Jurassic: diorite (dr), monzodiorite (dg), gabbro (gb), granodiorite (gd), quartz diorite (qd), quartz EJ phyric andesite to dacite; aphyric basalt, green to maroon mafic lapilli tuff, volcanic breccia, rhyolite to metamorphosed equivalents. PROTEROZOIC monzonite (qm), syenite (sy) and orthogneiss (og). PROTEROZOIC dacite flows Upper Proterozoic Carboniferous to Permian Proterozoic: Paragneiss (pg); LPpg. Ingenika Group: Quartzite, micaceous quartzite, pebble conglomerate, limestone, dolomite, oolitic and Lower to Middle Jurassic Nina Creek Group: Cherty argillite, chert, argillite, massive and pillowed basalt, volcanic breccia, pisolitic limestone, shale, sandstone, wacke, sandy limestone, phyllite, schist, gneiss, Triassic to Cretaceous: gabbro (gb). ΤK CPNi Hazelton Group; Griffith Creek and Hotnarko Volcanics: Calcalkaline basalt to rhyolite pyroclastics and uPig gabbro, siltstone, wacke, dacite. chlorite-muscovite schist, slate, argillite, micaceous crystalline limestone, marble, calcsilicate rock, flows, derived volaniclastic conglomerate, breccia, sandstone, siltstone, shale, minor limestone and amphibolite.



	National Topographic Sheet Index									
122°										
		104A BOWSER LAKE	094D MCCONNELL CREEK	094C Mesilinka River	094B HALFWAY RIVER					
		103P NASS RIVER	093M HAZELTON	093N MANSON RIVER		0930 PINE PASS				
	TE	103I RRACE	093L SMITHERS	093K FORT FRASER	N	093J ICLEOD LAKE				
	DO	03H UGLAS ANNEL	093E WHITESAIL LAKE	093F NECHAKO RIVER		093G PRINCE GEORGE				
52° 130	LAI SC	03A REDO DUND	093D BELLA COOLA	093C Anahim Lake	093B QUESNEL					

Legend
QUEST-West airborne geophysical survey area
Geological contact
Fault
normal
thrust (teeth on upper plate)
extension
unknown
Railroad (unclassified)
Road (unclassified)
Mineral deposit (selected).
Populated place (unclassified)

* The geology on this map is from the British Columbia Geological Survey and has been cartographically prepared by Geoscience BC as part of a suite of maps for the QUEST-West Project.

Mineral Deposit Data

MINFILE (2010): MINFILE B.C. mineral deposits database; B.C. Ministry of Energy, Mines and Petroleum Resources, URL < http://minfile.ca> [September 2010]

Geology and Topographic Data

Massey, N.W.D, MacIntyre, D.G., Desjardins, P.J. and Cooney, R.T. (2005): Digital Geology Map of British Columbia: Whole Province; B.C. Ministry of Energy and Mines, Geofile 2005-1, URL <http://www.empr.gov.bc.ca/Mining/Geoscience/PublicationsCatalogue/GeoFiles/Pages/2005-</p> 1.aspx>[November 2007].

Acknowledgments

Cartography by Stephen P. Williams and Fion Ma, Geoscience BC

Geoscience BC is funded through grants from the Provincial Government of British Columbia.

QUEST-West is funded in partnership with the Northern Development Initiative Trust - www.nditrust.ca and the Regional District of Bulkley-Nechako-www.rdbn.bc.ca





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MAP 2010-12-1

GEOLOGY

QUEST-WEST PROJECT

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1:500,000

0	5	10	15	20	25				50 kms
L	1			1		1	1	 	

Albers Projection, Central Meridian 126° W, Latitude of origin 45° N, First standard parallel 50° N, Second standard parallel 58.5° N, False easting 1,000,000; North American Datum 1983

Mean magnetic declination 2010, 19°46'E, decreasing 15.7' annually. Readings vary from 18°45'E in the southeast corner to 20°36'E in the northwest corner of the map.

December 2010

Citation:

Geoscience BC (2010): QUEST-West Project - Geology; Geoscience BC, Map 2010-12-1, scale 1:500 000

GEOSCIENCE BC - QUEST-WEST - GEOLOGY*