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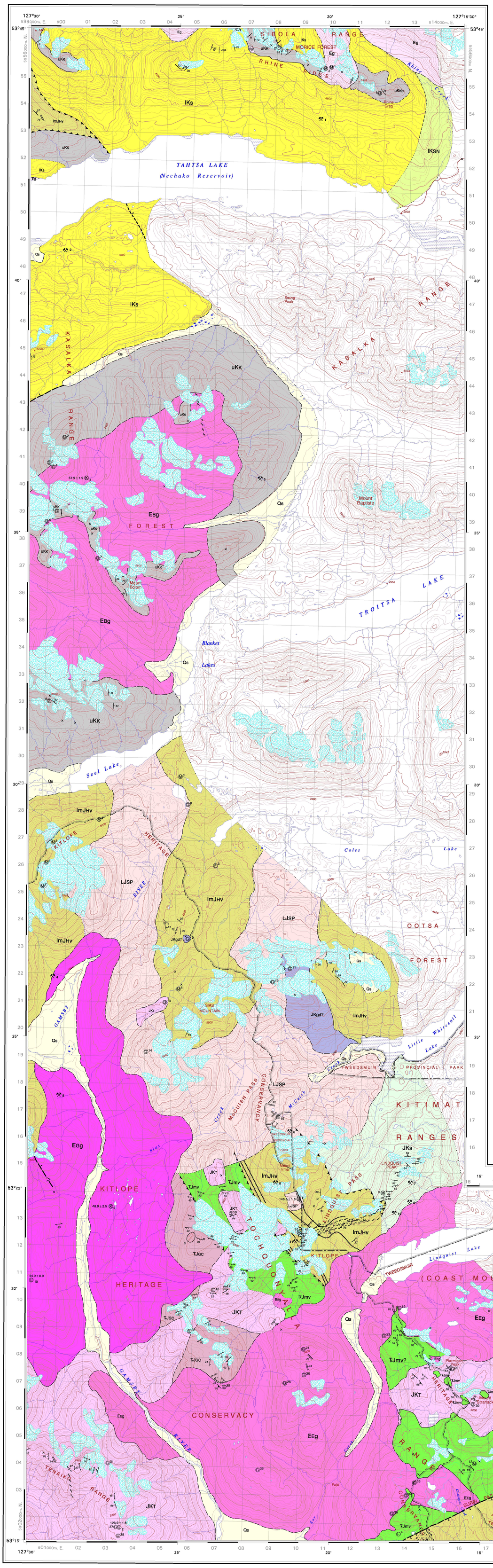
GEOLOGICAL SURVEY OF CANADA / COMMISSION GÉOLOGIQUE DU CANADA

Geoscience BC



LEGEND

A common legend is used for Open File maps 5585, 5586, 5587, and 5588; coloured boxes in the legend indicate those units that appear on this map

STRATIFIED ROCKS

NEOGENE

QUATERNARY

Qs — *Undivided unconsolidated gravel, sand, silt, and clay of alluvial or glacial origin*

PALEOGENE

UPPER CRETACEOUS
KASALKA GROUP

uKK — *Aphanitic to hornblende- and plagioclase-phyric basaltic andesite and andesite, with associated breccia and tuff breccia; basal two-hundred metres consist locally of light grey-green felsic pebble conglomerate to dark red siltstone interbedded with dark red, primarily matrix-supported pebble to cobble volcanic conglomerate; interbedded sparse basalt flows; elsewhere, basal conglomerate is matrix- to clast-supported, volcanic and plutonic boulder conglomerate with clasts up to 1 metre; basal contact with underlying Skeena Group varies from a well developed angular unconformity to an apparent disconformity; proportion of volcanic rocks increases up-section; uKKb = basaltic/diabasic plug (Rhine Crag)*

LOWER TO UPPER(?) CRETACEOUS
ALBIAN TO CENOMANIAN(?)
SKEENA GROUP

lKs — *Light grey weathering, dark to light grey, massive to parallel-laminated, locally micaceous, fine- to coarse-grained, lithic feldspathic arenite; beds commonly cross-stratified, locally with well developed symmetrical ripple marks; lesser friable dark grey to black argillite with thin-bedded siltstone interbeds; rare volcanic lithic, locally chert-bearing, pebble conglomerate*

LOWER CRETACEOUS
MOUNT NEY VOLCANIC ROCKS

lKsn — *Dark green to black basalt flows with fresh, augite phenocrysts and local pillow structures*

VALANGINIAN(?), HAUTERIVIAN-BARREMIAN
MONARCH ASSEMBLAGE

lKM — *Dominantly volcanic rocks; olive-green, amygdaloidal basaltic andesite and basalt with rare columnar jointing; associated andesitic breccia and tuff breccia; locally intercalated with thinly bedded siltstone, black argillite to slate, and pebble conglomerate*

JURASSIC(?) TO CRETACEOUS(?)
Undifferentiated sedimentary rocks

JKs — *Thin- to medium-bedded, fine- to medium-grained sandstone intercalated with siltstone and shale; contains climbing ripple cross-stratification, flaser bedding and abundant bioturbation; sandstone interbeds locally micaceous; wood fragments abundant; bivalve moulds occur as shell lag deposits in fine-grained, calcareous-cemented facies; inferred to represent the base of the Jura-Cretaceous Bowser Lake Group*

JURASSIC

LOWER TO MIDDLE JURASSIC
HAZELTON GROUP (U-Pb ca. 171-191 Ma)
Volcanic facies

lmJHv — *>50% volcanic rocks, including amorphous olive-green to purple basalt, basaltic andesite and andesite and associated breccia, tuff breccia and tuff; locally intercalated with volcanic conglomerate, sandstone, siltstone, argillite, and limestone; equivalent in part to Telkwa Formation*

Rhyolite dome facies

lmJHd — *Aphanitic to plagioclase-phyric rhyolite domes; primarily cream- to yellow-weathering, light grey sericitized and silicified rhyolite with rare quartz phenocrysts; pyritization and columnar jointing noted locally*

JURASSIC AND OLDER
Unnamed Mesozoic sedimentary rocks

Mzs — *Brown to light grey, rusty-weathering, thin-bedded calc-silicate, micaceous phyllite, and fine-grained quartzite; includes undifferentiated metasedimentary and metavolcanic rocks east of northern Kitlope Lake*

TRIASSIC(?) TO JURASSIC

TJc — *Marble, calc-silicate, minor foliated dark green metabasaltic layers; possibly amphibolite-facies equivalents of lmJH, lTS, and Pc; structurally interleaved with TJGC; may contain interleaved Permian limestone*

TRIASSIC TO JURASSIC
Triassic-Jurassic metavolcanic rocks

TJmv — *Variably metamorphosed mafic to silicic volcanic and volcaniclastic rocks, including andesitic to basaltic flows, tuff-breccia, and tuff, with lesser argillite; unfoliated to slightly foliated, thick-bedded to massive, andesitic to rhyolitic lapilli tuff and tuff breccia to strongly foliated tuff, sandstone, and siltstone; metamorphic grade varies from lower greenschist to upper greenschist facies, dominated by chloritic schists (+/- epidote); characterized by readily identifiable primary volcanic textures overprinted by variable degrees of foliation*

TRIASSIC

UPPER TRIASSIC
CARNIAN
STUHINI GROUP UNDIFFERENTIATED

uTS — *Dark green to maroon andesite to basaltic andesite flow rocks; minor tuff; distinctive red to maroon volcaniclastic sandstone and pebble to boulder conglomerate with volcanic and Permian(?) limestone clasts; fossiliferous limestone; minor shale; locally metamorphosed to greenschist grade*

Pc — *Local large (100 m-scale) olistoliths of white to orange, massive limestone and dolomite containing Early Permian fossils; minor tuffaceous sandstone; cut by dark green to black diabase dykes*

INTRUSIVE ROCKS AND METAMORPHIC COMPLEXES

PALEOGENE
EOCENE

Gamsby River pluton (U-Pb ca. 45 Ma)
EGg — *Pink, medium- to coarse-grained, equigranular, homogeneous miarolitic biotite granite*

Red Bird pluton (U-Pb ca. 53 Ma)
ERg — *Medium-grained biotite quartz monzonite to granite porphyry, locally with conspicuous potassium feldspar megacrysts and strongly altered; locally abundant quartz veins, minor rhyolite dykes, and rare andesite dykes; significant porphyry Mo and Cu*

Ear Lake pluton
EEg — *Pink, medium- to coarse-grained, locally muscovite-bearing biotite granite; relatively homogeneous; contains minor amounts of mafic xenoliths along margins and a minor component of aplite dykes; cut by abundant east-west–trending, steeply north-dipping joints that produce blocky, angular talus*

Tsaytis pluton (U-Pb ca. 55 Ma)
ETg — *Medium- to coarse-grained, potassium feldspar-megacrystic biotite granite, primarily massive and undeformed; truncates foliation within the Central Gneiss Complex; locally foliated along intrusive contacts; body is elongate parallel to the dominant foliation trend in the Central Gneiss Complex*

Mt Bolom pluton (K-Ar ca. 58 Ma)
EBg — *Pink, coarse-grained, potassium feldspar-megacrystic granite, locally miarolitic*

Kitlope pluton (U-Pb ca. 61 Ma)
PKg — *Heterogeneous, fresh, medium- to coarse-grained biotite granite and granodiorite, locally with abundant large potassium feldspar megacrysts; unfoliated to good magmatic(?) foliation; commonly miarolitic in eastern area; commonly gneissic and migmatitic in west; PKgd = foliated diorite phase*

Eg — *Medium- to coarse-grained, locally potassium-feldspar- megacrystic granite, granodiorite, and tonalite, unfoliated to good magmatic foliation; generally fresh and unaltered*

LATE CRETACEOUS
FOUGNER PLUTONIC SUITE

LKF — *Hornblende-biotite-quartz diorite to granodiorite with conspicuous sphene; medium- to coarse-grained, equigranular to locally inequigranular with potassium feldspar megacrysts, homogeneous; distinct salt-and-pepper fresh appearance*

Horetzky Dyke (U-Pb ca. 75 Ma)
LKH — *Medium grey, medium-grained, equigranular hornblende, locally biotite-hornblende, diorite and quartz diorite to granodiorite*

Sandifer Lake pluton (U-Pb ca. 80 Ma)
LKSL — *Medium-grained, equigranular, biotite-hornblende granite to tonalite; contains light grey, euhedral plagioclase, locally light pink potassium feldspar, and fresh, glomerocrystic hornblende; abundant metavolcanic xenoliths along intrusive contacts*

Mortella pluton (U-Pb ca. 85 Ma)
LKM — *Coarse-grained, potassium feldspar-megacrystic biotite granite; characterized by poikilitic potassium feldspar megacrysts and fresh biotite crystals; locally foliated along contacts, contains abundant screens and xenoliths along intrusive margins; well-developed conjugate joint sets produce steep, blocky topography and abundant angular talus*

EARLY CRETACEOUS
Tsaytis Mountain stock (U-Pb ca. 126 Ma)
EKTM — *Medium-grained, epidote-bearing biotite granodiorite to tonalite; displays magmatic foliation defined by biotite segregations*

JURASSIC TO CRETACEOUS
JKgd — *Undifferentiated granodiorite to tonalite*

LATE JURASSIC TO EARLY CRETACEOUS
TENAIKO PLUTONIC SUITE (U-Pb ca. 124-138 Ma)
JKT — *Compositionally and alty heterogeneous assemblage of coarse-grained pyroxene-hornblende gabbro to medium- to coarse-grained hornblende diorite to quartz diorite; lesser hornblende granodiorite; locally contains abundant mafic and ultramafic xenoliths and metavolcanic screens ranging from a few centimetres to tens of metres in length*

LATE JURASSIC
STICK PASS PLUTONIC SUITE (U-Pb ca. 146-156 Ma)
LJSP — *Medium- to coarse- grained, equigranular, biotite-hornblende granite to granodiorite to quartz monzodiorite; distinctive pink and green mottled appearance; cut by locally abundant quartz and epidote veins and lesser potassium feldspar veins*

MIDDLE JURASSIC
Tahtsa Peak pluton (U-Pb ca. 171 Ma)
MJT — *Tan to pink weathering, coarse-grained, equigranular, weakly- to non-foliated hornblende-biotite granite to granodiorite; contains chloritized mafic minerals, local quartz veins, minor chlorite veins and microbreccia; cut by discrete shear zones (<1 m)*

EARLY TO MIDDLE JURASSIC
Jgd — *Undifferentiated granodiorite with lesser diorite and granite; includes plutonic rocks within the Gamsby Complex*

EARLY(?) JURASSIC
Chatsquot layered mafic intrusion
EJc — *Compositionally-layered clinopyroxene gabbro, olivine gabbro, anorthosite and lesser magnetite-olivine websterite; compositional layers <1.0m thick alternate between light-coloured anorthosite and darker gabbro and ultramafic layers; cut by numerous andesite porphyry and rhyolite dykes with associated intrusion breccias; locally mineralized with Cu-Ni-sulfides; also occurs as imbricated thrust slices in TJmv northwest of Black Dome*

Jg — *Undifferentiated granite*

TRIASSIC(?) TO MIDDLE(?) JURASSIC
TAHTSA COMPLEX
TJTC — *Heterogeneous, texturally variable, unfoliated to moderately foliated, fine- to coarse-grained hornblende diorite to quartz diorite with lesser tonalite and hornblende monzodiorite; abundant xenoliths and screens of recrystallized pyroxene-bearing basaltic andesite and andesite; abundant, fine-grained aphyric to plagioclase- +/- pyroxene-phyric felsic to mafic dykes and dykelets; locally intruded by numerous dykes, pods, and stocks of undeformed coarse-grained granite (Jg); predominantly lower greenschist grade with pervasive chlorite, locally upper greenschist to lower amphibolite grade; common epidote +/- quartz +/- chlorite +/- magnetite veins; contains many small bodies of Jg that were not mapped separately*

TRIASSIC(?) TO JURASSIC
GAMSBY COMPLEX
TJGC — *Chloritic schist, carbonaceous pelite, featureless mafic to intermediate metavolcanics rocks, rhyolitic metatuff and lapilli tuff, with lesser quartzofeldspathic gneiss, amphibolite, and micaceous schist, all pervasively foliated, locally complexly folded; locally contains strongly foliated diorite, tonalite, granite, and granodiorite; felsic and intermediate dykes common; blue-grey to very light grey, thin-bedded recrystallized carbonate commonly interleaved with diabase forms a locally distinctive (up to 30%) component; ranges in metamorphic grade from greenschist to lower amphibolite, locally upper amphibolite, with distinct decrease in metamorphic grade from west to east; may contain interleaved Permian limestone*

PALEOZOIC(?) TO EOCENE
CENTRAL GNEISS COMPLEX
PECGC — *Granitoid gneiss, amphibolitic gneiss, biotite-hornblende gneiss, subordinate quartzofeldspathic schist, minor calc-silicate gneiss, all metamorphosed to amphibolite facies and folded on a scale of several kilometres; intruded by tonalite to granite plutons, sills, and dykes; protolith ages poorly constrained but probably Paleozoic(?) to Cretaceous; age of metamorphism probably Early Cretaceous to Eocene; includes areas of undifferentiated* **Eg**

SYMBOLS

- *Geological contact (defined, approximate, inferred)*
- *Fault, normal (defined, approximate, assumed)*
- *Fault, normal, down-dropped on side with ornament (defined, approximate, assumed)*
- *Fault, compressional (teeth on upthrust side)*
- *Fault, detachment surface, ornament on upper plate (defined, approximate, assumed)*
- *Fault (defined, approximate, assumed), arrows show sense of motion*
- *Dyke complex*
- *Antiform, synform*
- *Limit of mapping*
- *Shear zone (dotted) boundary (sense indeterminate)*
- *Fold axis with plunge*
- *Bedding (tops unknown inclined, vertical; tops known, overturned, inclined)*
- *Gneissic foliation (inclined, vertical)*
- *Magmatic foliation (inclined, vertical)*
- *Mylonitic foliation (inclined)*
- *Ductile shear (arrows show sense of motion)*
- *Dyke (inclined, vertical)*
- *Elongation lineation (inclined)*
- *Mineral lineation (inclined)*
- *Vein (inclined)*
- *Joint (inclined)*
- *Compositional layering (inclined)*
- *Landslide scarp (ornament on downdropped side)*
- *Gossan*
- *Fossil locality with map number*
- *Ar/Ar age determination locality with map number*
- *K/Ar age determination locality with map number*
- *U/Pb age determination locality with map number*
- *MINFILE occurrence with map number*
- *Geochemisty locality with map number*
- *Metallic assay locality with map number*
- *BC Parks Boundary (park on shaded side)*
- *Field station location where not indicated by other symbol (foliation, etc.)*

MINFILE*

MAP #	MINFILNO	EASTING†	NORTHING†	NAME	STATUS	COMMODITIES	DEP_CODE
1	093E 098	609547	5953651	SKY	Showing	AG, ZN, CU	I05
2	093E 107	600366	5948590	GOLDEN GOOSE	Showing	AU, AG, PB, ZN, BA	I05, L01
3	093E 099	607732	5940375	PRICE, KASALKA	Showing	AU, AG, ZN, CU, PB	L01, I02
4	093E 012	600548	5921884	ICE	Showing	CU, MO, ZN, PB	I05, K01
5	093E 002	600881	5917532	GAM	Showing	CU, MO	L04
6	093E 022	609407	5916392	HARLOWORTH	Showing	AG, ZN, PB, AU	I05
7	093E 021	613886	5914611	OLD TIMER	Showing	AG, PB, ZN	I05
8	093E 103	608933	5914495	PEACOCK	Showing	CU, PB	L01, I05
9	093E 019	613884	5913900	LINDQUIST, DEER HORN	Developed Prospect	AU, AG, WO, ZN, PB,CU	H05, I02
10	093E 020	613321	5913485	HARRISON SCHEELITE, DEER HORN	Prospect	WO, CU	K05, L07
11	093E 102	609722	5912349	PARK	Showing	CU, AG, ZN	K01
12	093E 025	624358	5908752	SUREL LAKE, ED	Showing	AU	I01
13	093E 024	622272	5907770	THREE BEARS, SUREL	Showing	ZN, AG, AU, CU, MO, PB	I05
14	093E 026	632599	5907397	REDBIRD, RED BIRD	Developed Prospect	MO, CU, PB, ZN	L05
15	093E 023	621861	5906461	SUREL, MARTEN CREEK	Showing	ZN, PB, CU, MO, AG, AU	I05
16	093E 018	617876	5905804	SUREL PASS	Showing		L01, I05

* Data from British Columbia Geological Survey Branch MINFILE Mineral Inventory

† Coordinates are measured in UTM North American Datum 83 (NAD83), zone 9

COMMODITY abbreviations: AU = gold; AG = silver; BA = barite; CU = copper; MO = molybdenum; PB = lead; WO = tungsten; ZN = zinc
DEP_CODE abbreviations: H05 = Epithermal Au?Ag: low sulphidation; I01 = Au?quartz veins; I02 = Intrusion-related Au pyrrhotite veins; I05 = Polymetallic veins Ag-Pb-Zn+-Au; K01 = Cu skarn; K05 = W skarn; L01 = Subvolcanic Cu-Ag-Au(As-Sb); L04 = Porphyry Cu +/- Mo +/- Au; L05 = Porphyry Mo (Low F? type)

GEOCHRONOLOGY

MAP #	FIELD #	EASTING*	NORTHING*	AGE (Ma)‡	METHOD‡	MINERAL	REFERENCE^
1	HFB-05-94	609804	5913910	146.3 ± 1.6	U-Pb	zircon	This report
2	HFB-05-53	603484	5901669	123.9 ± 1.6	U-Pb	zircon	This report
3	LDil87-41-10	626606	5906424	74.1 ± 3.0	K-Ar	hornblende	Diakow (2006)
				73.9 ± 2.6	K-Ar	biotite	
4	77WV-351	601344	5940244	57.9 ± 1.9	K-Ar	biotite	GSC 78-72 *in* Wanless *et al.* (1979)
5	147a-JBM-04	633140	5907377	53.0 ± 0.3	U-Pb	zircon	This report
6	NC-67-17	633295	5907294	50.0 ± 3.4	K-Ar	whole rock	Carter (1981)
7	NC-67-19	633295	5906644	49.5 ± 5	K-Ar	biotite	Carter (1981)
8	NC-67-20	632645	5907214	49.0 ± 4	K-Ar	biotite	Carter (1981)
9	77WV-229	602894	5913474	48.9 ± 2.5	K-Ar	biotite	GSC 78-71 *in* Wanless *et al.* (1979)
10	HFB-06-135	600031	5910691	44.9 ± 0.9	U-Pb	zircon	This report

* Coordinates are measured in UTM North American Datum (NAD83), zone 9U

† With 2 σ uncertainty; errors for K-Ar dates in Carter (1981) were reported as ± 1σ; these 1σ errors have been recalculated in this table to ± 2σ for comparision with other data in the table

‡ K-Ar dates reported by Carter (1981) use "old" constants; these have not been recalculated using Steiger and Jäger (1977) but differences are < 1 m.y.; all other K-Ar dates use Steiger and Jäger (1977)

^ All new geochronology done at Pacific Centre for Isotopic and Geochemical Research (PCIGR), University of British Columbia; U-Pb analyses by R.M. Friedman

GEOCHEMISTRY*

MAP #	EASTING†	NORTHING†	SAMPLE	LITHOLOGY	SiO_2	Al_2O_3	Fe_2O_3	MnO	MgO	CaO	Na_2O	K_2O	TiO_2	P_2O_5	LOI	TOTAL	Ba	Ce	Co	Cr	Cu	Hf	La	Nb	Nd	Ni	Pb	Rb	Sc	Sr	Th	V	Y	Zn	Zr
STRATIFIED ROCKS																																			
Hazelton Group (lmJHv)																																			
21	631849	5909181	06LS20	dacite tuff	64.32	15.10	4.97	0.59	0.12	0.59	2.86	7.67	0.71	0.22	1.12	98.27	1634	33	51	7	7	3	20	3	22	2	13	146	14	45	3	33	40	101	115
Kasalka Group (uKk)																																			
1	611906	5954703	15RH06	basalt	55.66	17.08	8.52	1.81	2.99	6.74	3.18	0.99	0.71	0.00	2.43	100.11	668	25	40	55	229	2	25	5	19	17	10	34	23	560	7	201	22	91	111
2	600499	5941718	44JBM06	andesite	49.15	17.34	9.87	1.28	7.38	8.39	1.57	0.68	1.38	0.29	3.12	100.45	235	33	43	277	56	4	28	7	28	184	6	24	27	260	10	221	29	107	166
3	599961	5940774	HFB-05-56	andesite	49.64	17.48	7.67	0.20	5.82	1.89	12.76	0.12	1.19	0.32	1.84	98.93	257	40	44	265	42	4	23	7	27	178	9	5	31	350	6	210	34	120	181
5	600457	5939025	31BLB06	andesite	66.59	15.13	2.97	0.09	0.87	4.33	1.66	3.64	0.67	0.16	2.87	98.98	1470	84	50	29	10	6	58	14	45	2	18	106	6	301	13	50	30	93	257
8	600353	5931960	06WV-117	andesite	56.13	16.39	7.07	0.12	3.97	5.52	3.50	1.44	0.92	0.22	4.52	99.80	675	42	35	49	32	4	28	7	23	86	13	33	19	609	10	167	30	82	202
INTRUSIVE ROCKS																																			
Ear Lake pluton (lEg)																																			
19	613598	5909994	06ARK071101-B	granite	73.95	13.30	0.59	0.06	0.14	0.76	3.75	4.52	0.09	0.03	0.53	97.71	198	0	87	7	4	2	8	14	4	1	29	128	0	75	9	9	13	27	48
23	613060	5908956	06LS08	granite	71.25	14.67	1.35	0.08	0.38	1.68	3.90	3.74	0.14	0.05	0.20	97.44	927	0	74	9	7	2	6	9	3	1	15	117	2	315	6	17	12	39	82
24	610107	5908388	05LS05	biot granite	71.33	14.71	1.40	0.08	0.42	1.87	3.93	3.81	0.16	0.05	0.58	98.14	1115	0	46	13	6	3	3	8	3	2	16	103	3	409	8	17	11	41	84
26	610152	5907447	05LS02	biot granite	70.44	14.68	2.01	0.10	0.52	2.05	3.89	3.58	0.20	0.07	0.75	98.29	1145	24	41	5	7	3	8	15	6	2	14	103	3	431	8	25	14	50	98
28	609453	5907125	05LS01	biot granite	70.79	14.58	1.66	0.07	0.45	2.19	3.80	3.43	0.19	0.07	0.72	97.95	1488	28	39	28	4	3	11	7	7	2	11	73	3	501	6	20	9	37	97
29	607038	5906956	05LS29	biot granite	70.73	14.75	1.78	0.09	0.47	2.40	3.85	3.14	0.18	0.07	0.65	98.11	1268	25	36	99	5	3	8	7	8	3	11	74	2	509	6	18	14	39	104
32	608533	5903908	06LS03	granite	65.07	15.98	3.01	0.06	0.81	3.64	3.90	2.15	0.32	0.14	1.22	96.28	1512	58	47	10	13	2	37	5	21	1	8	41	1	755	9	45	7	52	140
33	614310	5903580	09RH02	biot granite	74.01	13.78	1.31	0.08	0.21	0.58	3.67	4.79	0.12	0.06	0.63	99.21	474	19	43	12	9	3	4	15	11	2	17	137	3	151	9	16	18	35	81
34	614008	5903102	42JBM05	granite	70.28	14.74	1.62	0.09	0.42	1.93	3.93	3.66	0.17	0.06	1.20	98.10	1082	27	38	1	5	3	11	13	12	2	16	106	3	379	10	20	15	47	88
35	613508	5902423	43JBM05	granite	69.00	14.79	1.77	0.08	0.47	2.09	4.04	3.27	0.20	0.07	0.75	96.53	1178	16	42	26	5	3	2	12	6	0	13	82	3	471	10	23	14	43	96
Jurassic-Cretaceous granitoid rocks (JKgd)																																			
10	605480	5923379	06ARK071405	diorite	59.88	16.28	6.85	0.15	2.52	3.12	4.59	1.30	0.69	0.15	2.90	98.43	750	13	31	20	26	2	17	4	11	4	6	28	15	565	9	125	26	76	140
11	609271	5922373	06ARK081604	granodiorite	74.05	12.78	1.62	0.02	0.40	3.21	0.62	4.90	0.25	0.03	0.84	98.73	524	34	63	1	7	3	17	6	11	3	9	136	1	182	10	25	23	19	114
36	626183	5902025	32JBM06	granite	66.68	15.29	2.53	0.07	0.78	1.85	4.55	3.16	0.32	0.12	1.07	96.42	1146	25	56	32	7	2	21	9	8	2	11	65	3	537	10	41	9	47	134
Mt Bolom pluton (EBg)																																			
4	600111	5940619	HFB-05-55	granite	62.66	13.37	2.01	0.08	0.13	1.18	3.80	3.63	0.45	0.07	2.38	89.77	1641	95	43	8	10	6	58	13	45	2	13	100	5	273	14	23	32	49	272
6	599919	5938606	45JBM06	granite	64.20	15.98	4.02	0.09	1.14	2.45	4.94	3.33	0.69	0.21	1.21	98.26	1315	55	47	4	13	6	34	12	29	4	15	95	6	407	13	62	27	70	241
7	601827	5937293	27BLB06	granite	66.50	15.22	3.23	0.10	0.93	4.41	2.09	3.74	0.67	0.17	1.14	98.20	1560	73	41	7	11	5	37	12	26	3	21	90	4	444	8	41	30	61	249
Stick Pass Plutonic Suite (LJSP)																																			
9	605265	5928318	40BLB06	granodiorite	53.90	17.43	8.58	0.15	4.15	7.22	3.30	1.34	0.83	0.18	1.66	98.74	453	19	40	46	79	0	16	3	9	12	7	34	31	847	7	232	18	94	105
12	608643	5921866	06ARK081602	granodiorite	57.42	16.21	8.13	0.18	3.02	3.62	5.71	1.30	0.85	0.16	1.26	97.87	534	22	43	30	69	3	17	5	17	8	10	36	25	428	4	169	30	105	129
14	604045	5919189	28JBM06	granodiorite	65.76	14.94	3.84	0.07	2.15	5.32	2.23	2.49	0.47	0.12	1.28	98.67	814	27	36	52	9	3	20	5	8	13	6	48	8	410	6	80	11	35	114
15	608823	5916996	06LS13	granodiorite	62.04	15.07	5.59	0.09	2.51	4.65	3.25	2.87	0.82	0.16	0.99	98.04	887	38	65	44	64	2	23	5	22	16	9	66	15	435	7	123	20	59	104
20	631821	5909420	06LS19	bi-hbl granodiorite/granite	64.79	14.33	3.56	0.11	1.20	4.74	3.77	2.88	0.38	0.11	3.20	99.07	1039	35	42	13	18	3	26	6	13	3	11	83	9	409	14	93	144	49	138
Tenaiko Plutonic Suite (JKT)																																			
13	604696	5921028	06ARK071502-A	diorite	46.50	18.54	11.74	0.17	5.23	10.78	2.52	0.43	1.17	0.19	1.45	98.70	238	0	49	51	159	0	13	0	15	16	4	12	35	756	6	338	12	89	74
16	607395	5913250	05LS45A	diorite/gabbro	48.92	16.21	8.23	0.17	8.13	11.73	1.44	1.78	0.48	0.10	1.80	98.99	696	0	54	245	45	0	12	0	10	82	6	58	49	363	9	223	7	76	58
17	607189	5910462	05LS17A	diorite	45.16	18.23	7.12	0.13	8.93	14.43	0.51	1.38	0.28	0.03	1.72	97.92	397	0	48	417	36	0	18	0	0	93	5	44	49	270	6	148	3	58	31
18	608734	5910365	05LS18	monzodiorite	71.43	14.28	2.01	0.05	0.54	1.82	4.98	1.80	0.30	0.09	0.72	98.01	949	31	31	3	36	4	12	6	16	3	5	59	5	331	6	17	33	38	121
22	605889	5908849	05LS22	pyx diorite	47.95	14.98	10.52	0.24	7.71	11.28	2.27	0.72	0.93	0.12	0.86	97.59	373	0	48	247	58	0	13	0	9	73	6	29	54	397	8	330	19	135	80
25	615463	5907839	28JBM06	hbl diorite	58.95	15.98	7.92	0.15	3.08	5.87	3.48	1.37	0.90	0.15	0.58	98.41	672	19	50	36	38	3	13	4	20	6	6	34	23	370	6	174	29	70	121
27	618867	5907395	06LS27	hbl diorite	51.94	17.06	10.24	0.19	3.88	4.45	7.24	1.25	1.19	0.41	0.68	98.33	595	21	46	42	16	2	14	3	11	15	8	31	33	359	6	270	28	73	88
30	616414	5906686	25JBM06	qtz diorite	55.44	16.65	7.29	0.10	3.57	5.50	3.34	2.23	0.91	0.21	1.10	96.34	702	30	46	52	74	4	23	4