

Kitsault B.C.

Number	Formation	Location	Description
KQ-90-115	Upper Hazelton Gap	NE of camp	115A - pale ^{buff} grey dust lithic - xth. tuff
LC samples		along lake shore	115B - (w/20m N of USA) mottled med. green-grey & maroon
		(see ^{minico map} for Spec. loc.)	andesite (or basalt?) volcanic breccia
		at pt. ~50m N 115B	115C - pale green-grey carbonate?, py (5%) alt dacite?
		~50m E 115C	115D - pale buff grey dust lithic - xth. tuff @ same accretionary? lapilli & local areas @ small lapilli frags
KQ-90-116	Salmon R-Bowser	along E shore Kitsault h.	116A - float ^{blocks} ~10-15m strat. above contacts - bl graphitic arg. 116B - ~20-30m strat. above 116A - ~2-3m of dark grey fossiliferous siltst. 116C - pyjama beds interlayered pale hard tuff? & bl. arg. 116D - ~3m of bl. py graphitic Bowser L(?) arg. 116E - bl. py arg. & siltst - " " " " " " " "
KQ-90-117	"Betty Creek"	~100m? to NE West Shy	maroon volcanoclastic ^{polylitic} pebble-conglomerate - potential marker
KQ-90-118	Bluebird structure	~200-300m S	E contact of ^{barren} quartz breccia vein system
KQ-90-119	carb. ^{gr.} br. vein	old trench ~20-30m E Dick L	calcite-quartz? breccia vein (~20-30cm) @ diss. gn spt py & ant wallrock frag
KQ-90-120	old 1960s ^{Butte con} butte con	at old collapsed drain	HV and (basalt?) breccia of type ^{thick} pyritic diamictite @ diss. spt py arg
P13			dark sds, layered sulphate? & 120A - high-grade well-bedded pale sp
KQ-90-121	diamictite, ^{Bluebird} accret zone	L22+80N upper trench	121 - black, silty, gritty f.g. diamictite @ diss. py, sp & ^{small} sulph. greenockite ^{stuffs}
		black " " ^{Acc Galena}	121A - high-grade ^{siliceous} galena (steely to c.g.) with sulph. frags. irregular text.
		middle trench " " "	121B - " " " " and tetrahedrite? ore
		" " " "	121C - base of W-dipping barren Bluebird quartz breccia
		lower " " "	121D - ~20-30cm ^{wide} high-grade galena ore
		" " " "	121E - pale altered ^{Zone} pyritic andesitic wallrock ~40-50E Ave
KQ-90-122	South Frog Zone	from 3 trenches ^{L19N 15+30E} apart	121F - ^(dark) diamictite @ ^{thin} minor diss. sp & sulph. clast (py, sp?)
KQ-90-123	Summit Lake	damp ~50m ^{adit} in stream	narrow quartz-calcite-fcdol? veins @ gn spt py in altered andesite
KQ-90-124	Discovery Zone	3 ofc's ~20-40m apart	124A - (E-strat. lowest ofc) - dark grey, well-bedded sulphate-carb @ diss. p 124B - (middle ofc) - medium grey, " " " " " " " " " " " " 124C - (W-strat. highest ofc) - pale " " " " " " " " " " " " 124D - (" above 124C) - " " interlayered sulphate & jasper
KQ-90-125	" "	~50-70m S ^{Not pond} 124C	125A - dark grey well-bedded sulphate & carb. ? @ diss. bedded py 125B - strat higher ^{explosion pyroclastic flow?} polylitic breccia @ sulphate-carb. matrix
KQ-90-126	" "	~200m E 125	dark grey well-bedded sulphate & carb @ diss. bedded py
KQ-90-127	"rhyolite"	~300m SSW 126	pale grey silicified dacite?? (altered rock)
KQ-90-128	medium grey ^{m.g.} crumpled	bold ofc SE end of Quartz Eye h. (near islands ^{narrow})	medium grey fragmental ^{pyritic?} porphyry @ ~15-20% m.g. white feldspar & minor quartz phenocrysts and scattered minor (~1%) lapilli fragments - foliation (fracture surfaces) ^{sign of} volcanic sequence

Number	Formation	Location	Description
KQ-90-129	FW andesite	North Star Portal in adit - ~120m from "	129A - massive, medium green-grey (some maroon), f.g. pl-hb porphyry 129B - " " " " " " " " " " " " " "
		~ 200m @ days leg ~ 7m below ore old workings @ junction river @ ~ 50m below see map from river	129C - " " " " " " " " " " " " " " 129D - " " " " " " " " " " " " " " 129E - " " " " " " " " " " " " " "
KQ-90-130	North Star "ore" zone	- 5-100-200m along drift near sta. #27	130 - mainly layered (colloform) siliceous-baritic med. @ diss. 130A - ~ 50m from HW - spiny py-rich exhalative "ore" 130B - upper 10-15cm "ore" unit - brecciated: bar, qz, py, sp, gn
KQ-90-131	HW tuff br.	~ 3-5cm above 130B near sta. #26?	131A - sl. sheared, pale grn-grey andesitic dust tuff breccia 131B - (1.5m above "ore unit) medium green-grey mas, f.g. andes.
KQ-90-132	Torbrit ore?	dump at mill site	various specimens of ore, mainly well-layered with colloform structure radiating barite xtls, quartz, jasper, sp, gn, py
KQ-90-133	David Lippert field	riverbank @ ~ 10m S of ^{Dago pit} Big Missouri	133A - barite-quartz vein? ore @ diss. py, sp, gn (typ?) + andesite 133B - typical massive, med. grn-grey, f.g. pl. hb porphyry
KQ-90-134	Dago Zone	Big Missouri	layered qz cal py (gn, sp) ore
KQ-90-135	Province Zone	" " " " Province	"layered" qz and wallrock @ diss. py
KQ-90-136	Cu Zone W. Iron	~ 15m below boundary ~ 100m S of 136W ~ 200m W of ORB-11 ~ 150m " "	136 - pale to med. grn-grey high alt. (± sh.) monz? or v. low @ diss. 136A - pink grey potassic f. to m.g. monz (or gran?) 136B - med. " f. to m.g. monz. @ diss. py & cp 136C - mottled pink & grey highly alt. " " " " " "
KQ-90-137	Mount Dilworth	ORO-3 top high ridge ~ 1.5m lens	137A - med. grey weakly welded ash-flow tuff 137B - " " "fish-eye" (spherulitic) rhyolite
KQ-90-138	Betty Creek???	~ 80m S 137B strat. lower ~ 150m NW 138B	138A - maroon lapilli tuff (~ 30m thick unit) 138B - ~ 10m thick white-weathering medium green-grey welded dacite 138C - maroon lapilli tuff ~ 30m below top of 60m-thick unit
KQ-90-139	" " ???	unit above cgl. ~ 6m thick well bedded	(float) - rusty white weath med. grn-grey py tuffs.
KQ-90-140	amyg. andesite	~ 55m West of soft rock som ESE	140A - ~ 3m-thick med. grey alt. (carb py) mas. amyg. and 140B - mas. pale grey f.g. (amyg?) andesite - 15m thick
KQ-90-141	sheared dacite	ORO-5 top of ol. tuff ~ 200m S 141A?	141A - med. grey py altered schistose dacite tuff 141B - grey sericitic schist 141C - hard rusty py rhyolitic? welded ash-flow tuff
KQ-90-142	pale serpy sil. alt.	near Bruce's Lin. ~ 150m W 142A ~ 100m? " 142B	142A - pale qz py schist 142B - " qz ser py schist @ ~ 1.5m zone ~ 20% qz veins 142C - " brecciated 3m-wide py qz vein

Number	Formation	Location	Description
KQ-90-143	maroon tuff - br.	~100m ENE ^{sta 6}	med. maroon grey, unalt., sl. sheared, ^{stiff} phyl. hydro br.
KQ-90-144	alt. monz @ py qz	DR-7 Mitchell-Sulph. Ridge S of top	144A - late to post mineral, magnetite-bearing alt. pink qtz monz. ^{minor diss. py qtz}
		~50m E of 144A	144B - chl. grn. sheared alt. monz.? @ diss. py qtz (~0.5% Cu?)
		" " " " " "	144C - " " " " " " " " " " " " " " " "
		~25m " " " "	144D - " " " " " " " " " " " " " " " " fmo
KQ-90-145	pale grey grn. ^{diorite? pl. hb??}	~100m ESE-144 ^{diorite}	145A - ~10-20cm qz vein @ diss. py qtz ^{minor f.g. mo in small}
		~50-80m S 145A ^{top of cliff}	145B - pale ^{gray} sil py (~25%) altered monz.? or diorite? ^{93 vch}
		~70m ESE 145B ^{base of cliff}	145C - pale grn chl py (typ?) (tr. mo) " " " " ?
		~75m S 145B @ str.	145D - " " grey sil " " (lustre) " " " " ?
		~40m S 145D @ str.	145E - " " " " " " " " " " " " ?
		~80m S?? 145E ^{E. of str.}	145F - " grey sil py alt. rk " " " " ? ^(small dark needles)
		~150m S?? 145F " "	145G - " " " (5%) pl.-hb " " " " ?
		~100m S 145G " "	145H - " " " " " k-spar " " " ?
		~100m S 145H ^{near str.}	145I - " grn. chl. py sh. " " rk " " ?
KQ-90-146	well-bedded sed. rk.	~30m S? 145I ^{in str.}	146A - typical well-bedded black py arg.
		~85m S 146A " "	146B - " " " " pale grn-grey hornfelsic sed. [?]
		~5m S 146B	146C - ~1m-thick sheared black lithographic ls
KQ-90-147A	^{sodic?} syenite porph.?	~100m S 146C	~4m-wide dyke pale ^{alt.} grey ^(wh.) albite? pl. hb. porph. dyke
KQ-90-148	faulted br. sed. w/ dyke?	~100m S 147A	148A - highly fractured ^{alt. (cast)} pyrite, pale grn-grey S.S.???
		~20m S 148A	148B - " " " " " " " and br "
		~75m S 148B	148C - " " " " " " " " rk. @ asp stringer
KQ-90-149	Premier? Porphyry	~15m S 148C	149A - pale grey py albite? pl. hb (sodic syenite?) Premier? porph.
		~60m S 149A	149B - " " " " " " " " " " " " " ? " "
KQ-90-150	Hornfelsic Stuhini	DR-9 Toe of Hanging Gl.	150A - typical " green py hornfelsic Stuhini Group sed.s.
		~50m W 151A ^{lower E of Hanging Gl.}	150B - " " " " " " " " " " " "
KQ-90-151	py alt. pl.-hb porph	lower E of Hanging Gl. ^{4m E}	151A - intensely alt. med. green-grey py (~5-10%) ^{minor up pl. hb} (late quartz) porph. ^{darkes (9.5% in sed)}
		~150m W 151A & 152	151B - " " " " " " " " " " " " " " " "
KQ-90-152	Premier Porphyry	~150m W 151A ^{from base}	med. grey-grn) f.g. dyke (12-30m composite) @ ~25% large pink-white ^{zoned} k-spar phenocrysts ~1 to 3cm long - ~2-3% diss. py ^{chl. epid. metam. in}
KQ-90-153A	Hornfelsic Stuhini Seds	E of str. ~200m S 152	typical pale green hornfelsic sed. rks
KQ-90-154	Sulphurets Porphyry	~40m S 153A	154A - Pale grey, albite? (~20-30%), hb (~5%) porph. @ ~2% diss. py
		~75m S 154A	154B - " " " (pink) " " " " " " " " " " " " " " "
		~120m S 154B	154C - " " " " " " " " " " " " " " " " ~3-4% " "
		~30m S 154C ^{near contact}	154D - " " " " " " " " " " " " " " " "

k-ray work needed?

conodont radiolaria sample

151A Zircon sample

151A Zircon is main prob field

Zircon sample

Number	Formation	Location	Description
Q-90-166A	Hazleton Group	~250m NW 165E	sheared grn-grey amyg. andesite breccia
Q-90-167	Feldspar porphy	~80m WNW 166A	rusty-weather. pale grey alt-(sil) py (~2-3%) pl porph (~20-30% pl. phen)
		~100m NW 167A/167B	med. grey (after fig. py ~10%) highly alt. sil. porph.?
Q-90-168	Dilworth? rhyolite	~200m WNW 167B	168A - massive, hard, dense (sil.? alt.?) st. py rhyolite
		~60m W 168A	168B - very rusty, very pyritic (~10%) rhyolite? over ~20-30m width
Q-90-169	sericite-py schist	~30m W 168B	169A - pale grey, pyrite (~10-15%) - sericite schist
		~125m W 169A	169B - pale to med. " " (~20%) - " "
		~80m W 169B	169C - " " " " " "
Q-90-170	altered porph.?	~170m W 169C	grey very sil. py altered porph. (bold o/c)
Q-90-171	" py pl-hb "	~300m " 170A	171A - rel. mas. grn-grey py altered pl-hb porphyry
		~100m W 171A to "	171B - " " " " " " " " " " minor ves.
		~100m W 171B @ ice	171C - " " " " " (5-10%) " " " @ leaded pi
Q-90-172	" " " "	Mitchell-Sulph. Ridge	172A - " " " " chl. " " " @ py & pl
		" " " " "	172B - " " " " " " " " " " " 0.3% Cu?
		" " " " "	172C - " " " " " " " " " " " 0.5% Cu?
Q-90-173	hornfelsic Straker Gp	~150m SW 172C	173A - highly fractured med. grn-grey well-bedded hornfelsic sed. rk @ minor py
		~95m SW 173A	173B - " " " " " " " " " " " @ cp & py
		~130m W 173B	173C - " " " " " " " " " " " " "
Q-90-174	py alt. pl-hb porph	" " in stream ~350m S	174A - green-grey pyritic altered pl-hb porph. py
Q-90-175	" " " "	" " " " ~550m SW 175A	175A - pale " " " (~7-8%) " " " "
		" " " " ~130m S 175A	175B - " " " " " (~3-4% carb) " " " "
Q-90-176	chl graphitic sel. rk	~200m S @ water fall	176A - dark chl. graphitic sheared py (~1%) sed.? fault rk.?
Q-90-177	py alt. pl-hb porph	~350m S 176A	177A - pale pyritic altered pl-hb porph.?
		~150m SW 177A	177B - green " " " " " " " " " " "
Q-90-178	altered pl-hb porph	Kerr B-Zone	178A - med. green altered rock @ py & cp veinlets
Q-90-179	Bowen Gp or Fm	W. of Lower Treat. Gl.	179A - graphitic black argillite
		" " " " 150m SW 179A	179B - brown weathering, pyritic, grey 50cm thick bed
		" " " " 100m SW 179B	179C - rusty, oxidized, cleaved, graphitic black arg.
Q-90-180	Mount Dilworth Fm	" " " " ~15m SW 179C	180A - med. grey, py (~10% of fig. py) felsic tuff @ fig. lap frag.
		" " " " ~150m W 180A	180B - cherty rhyolite @ ~20% f.g. diss. py
		" " " " ~90m S 180B	180C - rhyolite breccia @ pale grey chalcedony matrix
		" " " " ~300m SW 180C	180D - " " " @ flow layered rhy. clasts (incl. 13 spec)
Q-90-181	Hazleton Gp	" " " " ~150m S 180D	181A - pale green-grey, massive amyg. (chl cal py) and.
		" " " " ~55m S 181A	181B - black graphitic argillite

Number	Formation	Location	Description
KQ-90-182	Hazleton Group	~200m E small ^{Peak} of ^{East}	182A - green epidotite, pyritic sl. alt., pl. phytic and
		~250m S 182A	182B - green-grey? pyritic altered and. bn
		base rock face	
		~150m S 182B	182C - grey altered, v. pyritic (~20-25% f.g.) mas. and.
		~120m S 182C at ice	182D - " " " (~15-25% f.g.) mas, pl. phytic and
KQ-90-183	Pb, Zn, Ag, Au showing	N. of Atkins ^{SE of} ^{ice} ^{field}	183A - "loms of F-Zone" - pyritic unusual carb. alt. br. clus
min.		" " " "	183B - grt sp matrix of bn. @ bl. arg. frags.
x		" " " 7-8m N	183C - well-bedded, finely bedded pale & dark silt. tan
x-ray		" " " ~200m N	183D - "D-Zone" ^{10-15cm wide} ~93 (py, gr ± stibnite?) vein/xt
stib		" " " 183C	
"		" " " ~250m SE	183E - "E-Zone" (talus breeds) - blocks of quartz veins @ stibnite
KQ-90-184	Hazleton Group and. f.s.s.	E side Treaty G. ^{below} ^{quiss} ^{183A}	184A - pale green-grey amyg. andesite (~10% py)
		" " " ~500m N	184B - " grey, buff-weathering S.S. @ my non pu scattered E-ward pl.
KQ-90-185	Premier Porphyry	" " " N 184	184C med. maroon grey flow-layered pl. porph @ ~10% large
KQ-90-186	Hazleton Group f.s.	" " " ~865m level	med. green and. bn., cgl. (spec.) f.s.s. (chem. anal.)
KQ-90-187	Ore Zone Argillite	Estay Crat. B.C.	187A - typical well-bedded bl. arg. @ graded gr. py sp / arg. ^{bl.}
			187B - HW pale sericitic pyritic talaceous? ^{bl.}
			187C - FW pale crystalline ^{100%} dolomite bed
KQ-90-188	FW rhyolite	along dr. / ^{3 spec}	py ser alt. FW rhyolite ~20-40m? below ore
KQ-90-189	pl-hb HLL porph. dyke?	@ ^{maintain} ^{face}	rel. unalt. mas., med. grn-grey f.g. pl-hb porphyry
KQ-90-190	FW dacite	decline ^{portal}	variegated pale poly lithic dacitic? lapilli, ^{20-40m? f.g. py}
KQ-90-191	FW rhyolite	" " " ~250m ^{portal}	191A - FW #2 (Pumphouse Lake Zone) - olonite, ser. py alt. rhy
min.		" " " ~865m level	191B - v. altered " " " rhyolite
KQ-90-192	Contact Arg. Ore Zone	" " " 865m level	192A - ~5m lower well bedded py bl. arg. (~0.2% H ₂ O)
min.		" " " "	192B - ~5-7m high-grade " " " " @ grade detrital gr. ^{sub}