

Kitsoalt B.C.

Number	Formation	Location	Description
KQ-90-115	upper Hazelton Gap	NE of camp	115A - pale <sup>buff</sup> grey dust lithic - xth. tuff
LC samples		along lake shore	115B - (v.20m N of 115A) mottled med. green-grey & maroon
		(see <sup>of minor concn</sup> for spec. loc.)	andesite (or basalt?) volcanic breccia
		at pt. v. 50m N/115B	115C - pale green-grey carbonate?; py (10%) alt. dacite?
		v. 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 Kitsoalt L.	116A - float <sup>blocks</sup> v. 10-15m strat. above contacts - bl. graphitic arg.
			116B - v. 20-30m strat. above 116A - v. 2-3m of dark grey fossiliferous siltst.
		v. 15-20m strat. above	116C - pyjama beds interlayered pale hard tuff? & bl. arg.
		v. 20-30m strat. above	116D - v. 3m of bl. py graphitic Bowser L. (?) arg.
		v. " " ?" at pt.	116E - bl. py arg. & siltst - " " "Gap?"
KQ-90-117	"Betty Creek"	v. 100m? to NE West Shaw	maroon volcaniclastic <sup>poly lithic</sup> pebble-conglomerate - potential marker
KQ-90-118	Bluebird structure	v. 200-300m S	E contact of <sup>barren</sup> quartz breccia vein system
KQ-90-119	carb. br. vein	old French v. 20-30m E Dick L.	calcite-quartz? breccia vein (v. 20-30cm) @ diss. gn spt py <sup>great</sup> and wallrock frag.
KQ-90-120	old 1960s Battle case	at old collapsed building	HW and (basalt?) breccia <sup>type</sup> pyritic diamictite @ diss. spt gn arg.
PIS			dark sed. layered sulphate? & 120A - high-grade well-bedded pale sp
KQ-90-121	diamictite, Accqn zone	Bluebird L22+80N upper trench 14125 E	121 - black, silty, gritty f.g. diamictite @ diss. py sp <sup>small</sup> & sp silts greenockite <sup>stuffs</sup>
		block " " Ace Golen Zone	121A - high-grade <sup>siliceous</sup> galena (steel to c.g.) <sup>ore</sup> with sulph. frags. irregular text.
		middle trench " " "	121B - " " " and tetrahedrite? ore
		" " " "	121C - base of W-dipping barren Bluebird quartz br. vein
		lower " " "	121D - v. 20-30cm <sup>wide</sup> high-grade galena ore
KQ-90-122	South Frog Zone	L19N 15+30E collected by Dept 1920 structure 70m SE of core area v. 30m from 3 trenches quartz	121E - pale altered <sup>Zone</sup> pyritic andesitic wallrock v. 40-50 E Ace diamictite @ sphinor diss. sp & sulph. chert (or Esp?) 121F - siliceous high-grade & diss. gn, pale sp, py mineralization
KQ-90-123	Summit Lake	dump v. 50m adit in stream	quartz-calcite-feld? veins @ gn spt py in altered andesite
KQ-90-124	Discovery Zone	3 of v's v. 20-40m apart	124A - (E-strat. lowest of) - dark grey, well-bedded sulphate-carb. <sup>bedded &amp; vein</sup> 124B - (middle of) - medium grey, " " " 124C - (W-strat. highest of) - pale " " " " " " " " " 124D - (" above 124C) - " " interlayered sulphate & jasper
KQ-90-125	" "	v. 50-70m S 124C N of pond	125A - dark grey well-bedded sulphate & carb. ? @ diss. bedded <sup>explosion pyroclastic debris flow?</sup> 125B - strat. higher poly lithic breccia @ sulphate-carb. matrix
KQ-90-126	" "	v. 200m E 125 W part of stream	dark grey well-bedded sulphate & carb @ diss. bedded py
KQ-90-127	"rhyolite"	v. 300m SSW 126 v. 200m N E of pond	pale grey silicified dacite?? (altered rock)
KQ-90-128	medium grey m.g. crumpled field morph ash-fl wuff	bold of SE end of Quartz Eye (near islands narrow)	medium grey fragmental <sup>dacite?</sup> porphyry @ v. 15-20% m.g. white feldspar & minor quartz phenocrysts and scattered <sup>sup.</sup> minor (~1%) lapilli fragments - foliation (fracture surfaces) <sup>sup.</sup> 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 por. <sup>and. b</sup>
		~200m @ dog's leg	129B - " " " " " " " "
		~7m below old workings @ junct	129C - " " " " " " " "
		river of ~50m below	129D - " " " " " " " "
		see map from river	129E - " " " " " " " "
KQ-90-130	North Star ore zone	~5, 100-200m along river near sta. #27	130 - mainly layered (colloform) siliceous-baritic mat. <sup>(@ diss. py)</sup>
		near sta. #27	130A - ~50cm from HW - sp. q. py - rich exhalative "ore"
		~1/2 way bet #26 & 27	130B - upper 10-15cm "ore" unit - brecciated: bar, qz, py sp qz
KQ-90-131	HW tuff br.	~3-5cm above 130B near sta. #26?	131A - sl. sheared?, pale grn-grey andesitic dust tuff breccia <sup>dis. assembled py</sup>
KQ-90-132	Torbrist ore?	dump at mill site	131B - (1.5m above "ore" unit) medium green-grey, mas., f.g. andes. various specimens of ore, mainly well-layered with colloform structure radiating barite xtls, quartz, jasper, sp, qz <sup>side by side</sup>
KQ-90-133	David Copperfield	river road of c/s ~10m S of c/s	133A - barite-quartz vein? ore @ diss. py, sp, qz (top?) <sup>and. b</sup>
		Big Missouri	133B - typical massive, med. grn-grey, f.g. pl. hb porph. and layered qz, cal py (gr, sp) ore
KQ-90-134	Dago Zone	" " Province	" layered" qz and. wall rock @ diss. py
KQ-90-135	Province Zone	" " Province	" layered" qz and. wall rock @ diss. py
KQ-90-136	Cu Zone W. Iron	~15m below boundary of ~100m S of 136W	136 - pale to med. grn-grey highly alt. ( $\pm$ sh.) monz? or calc. <sup>@ diss. py</sup>
		~200m W of ORB-11	136A - pink grey potassic f. to m.g. monz (or gran?) " "
		~150m " "	136B - med. " f. to m.g. monz. @ diss. py & cp
		" "	136C - mottled pink & grey highly alt. " " " " moty <sup>qz veins</sup>
KQ-90-137	Mount Dilworth	ORO-3 Top high ridge N. of Middle ~1.5m lens	137A - med. grey weakly welded ash-flow tuff
			137B - " " " fish-eye (spherulitic?) rhyolite
KQ-90-138	Betty Creek??	~30m S 137B ~12m strat. lower	138A - maroon lapilli tuff (~30m thick unit)
		~150m NW 138B	138B - ~10m thick white-weathering, medium green-grey welded dac <sup>(photo)</sup>
		unit above cgl. ~67m thick well bedded	138C - maroon lapilli tuff ~30m below top of 60m-thick unit (float) - rusty white weath med. grn-grey py tuff ls.
KQ-90-140	amyg. andesite	~5.5m vert. S of ORB-11	140A - ~3m-thick med. grey alt. (carb. py) mas. amyg. and
		~50m ESE	140B - mas. pale grey f.g. (amyg?) andesite - 15m thick
KQ-90-141	sheared dacite	ORO-5 top of life below ad. tuff	141A - med. grey py altered schistose dacite tuff
		~200m S? 141A?	141B - grey sericitic schist
			141C - hard rusty py rhyolitic? welded ash-flow <sup>wispy gr. py</sup>
KQ-90-142	pale ser. py sil. alt.	near Bruce's Lin. ~150m W 142A	142A - pale qz py schist
		~100m? " 142B	142B - " qz ser py schist @ ~1.5m zone ~20% qz veins
			142C - " brecciated 3m-wide py qz vein

Number	Formation	Location	Description
Q-90-143	maroon tuff br.	~100m ENE <sup>sta. 6</sup> ORO-7	med. maroon grey, unalt., sl. sheared, pl. phytic br.
Q-90-144	alt. monz. @ py cp	ORO-7 Mitchell-Sulph. Ridge S of top	144A - late to post-mineral, magnetite-bearing alt. pink iron monz. porph.
		~50m E of 144A	144B - chl. grn. sheared alt. monz. @ diss. py top (~0.5% Cu?)
		" " " 144B	144C - " " " " " " " " " " " "
		~25m " " 144C	144D - " " " " " " " " " " " " fmo
Q-90-145	pale grey grn. <sup>diorite? pl. hb</sup>	~100m ESE-144C <sup>diorite? top of</sup>	145A - ~10-20cm qz vein @ diss. py top
		~50-80m S 145A <sup>top of</sup>	145B - pale <sup>grey</sup> sil py (~5%) altered monz. ? or diorite? <sup>minor f.g. mo in small</sup>
		~70m ESE 145B <sup>100m ESE</sup>	145C - pale grn chl py (top?) (tr. mod) " " " " ?
		~75m S 145B @ str.	145D - " " grey sil " (lustre) " " " " ?
		~40m S 145D @ str.	145E - " " " " " " " " " " ?
		~80m S?? 145E <sup>E. of str.</sup>	145F - " grey sil py alt. rk " " " " ? <sup>(small dark needles)</sup>
		~150m S?? 145F	145G - " " " (5%) pl. hb " porph.
		~100m S 145G	145H - " " " " " k-spar " " ? fmo
		~100m S 145H <sup>near str.</sup>	145I - " grn. chl. py sh. " " rk " ?
Q-90-146	well-bedded sed. rk.	~30m S? 145I <sup>in str.</sup>	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
Q-90-147A	<sup>sodic?</sup> syenite porph.?	~100m S 146C	~4m-wide dyke pale <sup>alt.</sup> grey <sup>(wh.)</sup> albite? pl. hb porph. dyke
Q-90-148	faulted br. sed. w/ lites?	~100m S 147A	148A - highly fractured pyrotic <sup>alt. (carb.)</sup> pale grn-grey S.S.???
		~20m S 148A	148B - " " " " " " " and. br. "
		~25m S 148B	148C - " " " " " " " rk. @ asp stringer
Q-90-149	Premier? Porphyry	~15m S 148C	149A - pale grey py albite? pl. hb (sodic syenite?) Premier? porph.
		~60m S 149A	149B - " " " " " " " " " " " ? " "
Q-90-150	Hornfelsic Stuhini	ORO-9 <sup>Toe of Hanging Gl.</sup>	150A - typical " green py hornfelsic Stuhini Group sed.
		~50m W 151A <sup>lowly</sup>	150B - " " " " " " " " " " "
Q-90-151	py alt pl-hb porph	lower E of <sup>Hanging Gl.</sup> near str.	151A - intensely alt. med. green-grey py (~5-10%) <sup>minor cp pl-hb</sup>
		~150m W 151A <sup>4m E</sup>	151B - " " " " " " " " " " " " <sup>late gach. w/ porph. in sed.</sup>
Q-90-152	Premier Porphyry	~150m W 151A <sup>from base</sup>	med. grey-grn f.g. dyke (12-30m composite) @ ~5% large pink-white k-spar phenocrysts ~1 to 3cm long - ~2-3% diss. py <sup>chly ep. metam.</sup>
Q-90-153A	Hornfelsic Stuhine Seds	E of str. ~200m S 152	typical pale green hornfelsic sed. rks
Q-90-154	Sulphuret's Porphyry	~40m S 153A	154A - pale grey, albite? (~20-30%), hb (~5%) porph. @ ~1% diss. py
		~75m S 154A	154B - " " " (pol. twinning) " " " " " " " " " "
		~120m S 154B	154C - " " " " " " " " " " " " ~3-4% "

ray at needle?

nodont dislocate sample

iron sample

zircon sample

Number	Formation	Location	Description
154 (cont)	Sulph. porph.	~70m S 154D	154E - same porphyry but ~5-7% diss. po (perhaps inc. dec.)
KQ-90-155	Hornfelsic Stuhini Seds	~30m S 154E ~130m S to Sulph Bl. just N ~70-80m S 155A above address ~50m	155A - grn.-grey well-bedded hornfelsic sed. rtk. 155B - well-bedded, hard ("cherty") biotitic brown-grey horn. sed. ~5-10% fig. diss. po
KQ-90-156	Hazelton Group pl. phytic andesite	N. Brucejack Lake @ ROR ~20m N " "	156A - mas., med. grn-grey, pl. phytic andesite 156B - sl. sh., " maroon-grey, " " "
KQ-90-157	93-ser py schist	@ ROR-12 dusty pt. in lake @ lake shore ~20m S 157A " " " ~3m W 157B " " " ~60-70m W 157C " " " ~70m W 157D " " " ~20m W 157E " " " ~70m NW 157F	157A - qz ser py schist cut by somewhat leached qz-barite vein 157B - " " " " " " " " " " " " " " " 157C - " " " " " " " " " " " " " " " 157D - along lake " " " " " " " " " " " " " " " 157E - qz ser py " " " " " " " " " " " " " " " 157F - " " " " " " " " " " " " " " " 157G - " " " " " " " " " " " " " " "
mineralogy			" leached "
mineralogy	lower grade than 157C		" "
KQ-90-158	West Zone R-8 high grade	dump material	high-grade electrum tetrah. ore & sil. fault dr. @ high-grade vein t.
KQ-90-159	West Zone	W side of zone Brucej. Cr etc	colloform layered qz-carb. vein material
KQ-90-160	Stuhini Group?	@ ROR-13 ~1km W of camp	160A - black lithographic ls @ rip-up clasts 160B - well-bedded, finely bedded bl. lithogr. ls
KQ-90-161	West Zone	West end sil. of c	v. f. qz layered quartz @ stylolites
KQ-90-162	Christmas monz. porph	Mitchell Sulph. Ridge 74	pink & green kspar monzonite porph. @ minor diss. cp, pyr mag
KQ-90-163	py alt. seds. & pl-hb porph	" " " 155 side W end ~50m E 163A @ str. ~100m SE 163B bold ~450m E 163C core ~25m E 163C core ~90m ENE 163C	163A - pale green-grey pyritic altered horn. sed. rtk? 163B - med. " " " " " " pl-hb porphyry 163C - " " " " " " " " " " " 163D - magnetite " " " " " " " " " 163E - " " " " " " " " " " "
KQ-90-164	Chibougamau Zone	E side Sulph. Bl. @ ROR high. Mt. Athol Peak E. (Tredy Gosson)	164 - several chips taken ~10-20cm apart across zone ser. py & chloritic py cp (5" zones) @ 3m away 164A - selected high-grade pieces 50-20cm from HW 3m in FW 164B - pale to med. grn-grey py (~2-30%?) highly alt. sed.?? rtk 3m in HW 164C - " " " " " " " " " " "
KQ-90-165	Upper Hazelton Grp.	high. Mt. Athol Peak E. (Tredy Gosson)	165A - (top of peak) med. green-grey amyg. and. breccia @ scattered patches 165B - " " " " " " " " " " " 165C - lapilli. tuff @ frothy vesiculated & felsic clasts in more med. 165D - pale grey frothy amygdoidal rhyolite. @ qz phenos 165E - " " " " " " " " " " " " " " " 165F - med. green-grey closely-packed polyolithic lapilli tuff

Formation	Location	Description
90-166 Hazelton Group	~250m NW 165E	sheared grn-grey amyg. andesite breccia
90-167 Feldspar porphy	~80m WNW 166A ~100m NW 167A/167B	rusty-weather. pale grey alt. (sil) py (~2-3%) pl porph (~20-30%) med. grey (alter fig. py ~10%) high alt. sil. porph.?
90-168 Dilworth? rhyolite	~200m WNW 167B ~60m W 168A	168A - massive, hard, dense (sil? alt?) sl py rhyolite 168B - very rusty, very pyritic (~10%) rhyolite? over 20-30m width
90-169 sericite-py schist	~30m W 168B ~125m W 169A ~80m W 169B	169A - pale grey, pyrite (~10-15%) - sericite schist 169B - pale to med. " " (~20%) - " " 169C - " " " " " "
90-170 altered porph.?	~170m W 169C	grey very sil. py altered porph.? (bold of c)
90-171 " py pl-hb "	~300m " 170A ~100m W 171A to @ RD-17 ~100m W 171B @ ice	171A - rel. mas. grn-grey py altered pl-hb porphyre 171B - " " " " " " " " " minor veins 171C - " " " " " (5-10%) " " " @/each of pc
90-172 " " " "	Mitchell-Sulph Ridge " " " 172A " " " 172B " " " 172C	172A - " " " " chl. " " " @ py & pc 172B - " " " " " " " " " 0.3% sil? 172C - " " " " " " " " " 0.5% sil?
90-173 hornfelsic Stuhini Gp	~150m SW 173C ~150m SW 173A ~130m W 173B	173A - highly fractured med. grn-grey well-bedded hornfelsic sed. rk @ minor py 173B - " " " " " " " " " @ cp & pi 173C - " " " " " " " " " " " "
90-174 py alt. pl-hb porph	" " in stream ~350m S 174A	174A - green-grey pyritic altered pl-hb porphyre
90-175 " " " "	" " " " ~550m SW 175A " " " " ~130m S 175B	175A - pale " " " (~7-8%) " " " " 175B - " " " " (~3-4%) carb. " " " "
90-176 chl graphitic sed. rk.	~200m S @ water fall top of base of c	176A - dark chl. graphitic sheared py (~1%) sed.? fault rk.?
90-177 py alt. pl-hb porph	~350m S 177A ~150m SW 177B	177A - pale pyritic altered pl-hb porph.? 177B - green " " " " " ?
90-178 altered pl-hb porph?	Kerr B-Zone 5 W of Lower Treaty Gl.	178A - med. green altered rock @ py & cp veinlets
90-179 Bussell Gp or Fm	" " " " 179A " " " " 179B " " " " 179C	179A - graphitic black argillite 179B - brown weathering, pyritic, grey 50cm thick bed 179C - rusty, oxidized, cleaved, graphitic black arg.
90-180 Mount Dilworth Fm	" " " " 180A " " " " 180B " " " " 180C " " " " 180D	180A - med. grey, py (~10% fig. py) felsic tuff @ f.g. lap. frag. 180B - cherty rhyolite (w ~20% f.g. diss. py) 180C - rhyolite breccia @ pale grey chalcedonic matrix 180D - " " @ flow-layered rhy. clasts (incl. 1-3% of ap. sp.)
90-181 Hazelton Gp	" " " " 181A	181A - pale green-grey, massive amyg. (chl. calc. py) and.

Number	Formation	Location	Description
KQ-90-182	Hazleton Group	~200m E Smell of <sup>W of</sup> <del>W of</del> <sup>W of</sup> <del>W of</del>	182A - green epidotite, pyritic sl. alt., p. phytic
		~250m S 182A " "	182B - green-grey? pyritic altered and. bn
		~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, p. phytic
KQ-90-183	Pb, Zn, Ag, Au showing	N. of Atkins <sup>E. of</sup> <del>E. of</del> <sup>E. of</sup> <del>E. of</del>	183A - ~10ms of F-Zone - pyritic unusual carb. etc. br. cl. <sup>at</sup> <del>at</del>
min.		" " " " <sup>W</sup> <del>W</del> <sup>W</sup> <del>W</del>	183B - gn xsp matrix of bn. @ bl. arg. frags.
x		" " " " <sup>W</sup> <del>W</del> <sup>W</sup> <del>W</del>	183C - well-bedded, finely bedded pale & dark silt. & s.
x-ray		" " " " <sup>W</sup> <del>W <sup>W</sup> <del>W</del></del>	183D - "D-Zone" <sup>10-15cm wide</sup> <del>10-15cm wide</del> <sup>10-15cm wide</sup> <del>10-15cm wide</del>
stib		" " " " <sup>W</sup> <del>W</del> <sup>W</sup> <del>W</del>	183E - "E-Zone" (talus trenches) - blocks of quartz veins @ stibnite
	Hazleton Group	E. side Treaty Gl. <sup>below</sup> <del>below <sup>below</sup> <del>below</del></del>	184A - pale green-grey amyg. andesite (~1% py)
	and. + S.S.	" " " " <sup>W</sup> <del>W</del> <sup>W</sup> <del>W</del>	184B - " grey, buff-weathering S.S. <sup>scattered K-shad</sup> <del>scattered K-shad</del>
KQ-90-185	Premier Porphyry	" " " " <sup>W</sup> <del>W <sup>W</sup> <del>W</del></del>	<del>184C</del> med. maroon grey flow-layered pl. porph. @ ~10% large
KQ-90-186	Hazleton Group	" " " " <sup>W</sup> <del>W <sup>W</sup> <del>W</del></del>	med. green and. bn., cgl. (spec.) & S.S. (chem. anal.)
KQ-90-187	Ore Zone	Estay Creek, B.C.	187A - typical well-bedded bl. arg. @ graded gn p. sp. arg.
			187B - HW pale sericitic <sup>pyritic</sup> <del>pyritic</del> <sup>pyritic</sup> <del>pyritic</del>
			187C - FW pale crystalline <sup>dolomite</sup> <del>dolomite</del> <sup>dolomite</sup> <del>dolomite</del>
KQ-90-188	FW rhyolite	" " <sup>along drif.</sup> <del>along drif.</del> <sup>along drif.</sup> <del>along drif.</del>	py ser alt. FW rhyolite ~20-40m? below ore
KQ-90-189	pl-hb Hill porph. dyke?	" " <sup>at</sup> <del>at <sup>at</sup> <del>at</del></del>	rel. unalt, mas, med. grn-grey f.g. pl-hb porphyry
KQ-90-190	FW dacite	" " <sup>deduce from</sup> <del>deduce from <sup>deduce from</sup> <del>deduce from</del></del>	variegated pale poly lithic dacitic, lapilli, <sup>at</sup> <del>at</del>
KQ-90-191	FW rhyolite	" " <sup>portal</sup> <del>portal <sup>portal</sup> <del>portal</del></del>	191A - FW #2 (Pumphouse Lake Zone) dolomite, ser., py alt. rhy
min.		" " <sup>at</sup> <del>at <sup>at</sup> <del>at</del></del>	191B - v. altered " " rhyolite
KQ-90-192	Contact Arg. Ore Zone	" " <sup>865m level</sup> <del>865m level <sup>865m level</sup> <del>865m level</del></del>	192A - ~5m lower well-bedded py sl. arg. (~0.2% H <sub>2</sub> O)
min.		" " " " <sup>at</sup> <del>at <sup>at</sup> <del>at</del></del>	192B - ~5-7m high-grade " " " " @ grade detrital gn sp.