DIAMOND DRILL RECORD

LOGGED BY C.L. SMITH

826025 104G/13

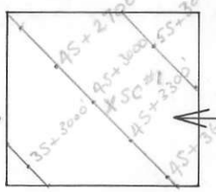
PROPERTY SPANN CREEK, STIKINE RIVER, BC (BC3)

D.D.H. No. SC-1 PAGE 1

LATITUDE Located 200' N.24.5° W. of I.P. Station. BEARING OF HOLE S. 38° E. STARTED July 25th, 1965.

DEPARTURE 4 S. + 3300' DIP OF HOLE 30° COMPLETED August 15th, 1965.

ELEVATION 5,720 ft. DIP TESTS DEPTH 721 ft.



CLAIM No. SEP 28 1965

DIRECTION AND DISTANCE FROM NE. CLAIM POST 200', N. 24.5° W., of I.P. Station 4 S. + 3300'.

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY Ozs/T Gold	Ozs/T Silver	Lead %	Zinc %	Moly(Mo) Copper
0	9.8	FINE GRAINED GREENSTONE with up to 20% pyrrhotite in irregular thin veins (with quartz, epidote, orange mineral) and in disseminations. Rare, minute, brassy coloured flakes may be chalcopyrite. Most fractures and veinlets intersect axis of core at 25 - 45°.									
9.8	16.3	GREENSTONE SPOTTED with 1/10" - 1/5" diameter purplish-black biotite books. Local dioritization marginal to veins of pyrrhotite up to 1/5" wide. Local sugar quartz replacement. Pyrrhotite disseminated. Rare flakes may be chalco pyrite. Most fractures and veinlets intersect axis of core at 35-60°.									
16.3	19.5	GREENSTONE SPOTTED THROUGHOUT WITH BIOTITE. dioritized up to 60% - mainly marginal to veins. Pyrrhotite in veins and disseminations. 1" wide sheared greenstone at 16.6 ft. with 50° intersection with core axis. 3/10" wide replacement zone of K-spar and epidote at 17.3 ft.									
19.5	20.0	DIORITIZED GREENSTONE with local spotted texture. Pyrrhotite in veins and disseminations.									
20.0	40.0	DIORITIZED GREENSTONE without biotite replacement spots. 1/10" wide sugar quartz veins occur at about 1 ft. intervals. Pyrrhotite in veins, up to 1/10" wide, and disseminations. Veinlets of orange mineral inclined to core axis at 20-25°. At 26.0 - 26.5 ft. zone of K-spar-quartz replacement, inclined to core axis at 25°, in brecciated greenstone. Local patches of K-spar alteration scattered throughout. Between 35.5 ft and 38 ft. abundant veinlets of orange mineral and K-spar. Between 39.6 and 40 ft. intensely fractured. Nearly brecciated greenstone with epidote-K-spar-quartz-orange mineral veining and replacement.									

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ELEVATION _____ DIP TESTS _____ DEPTH _____

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FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	Ozs/T Gold	Ozs/T Silver	ASSAY Lead %	Moly (Mo)	Copper
		Chalcopyrite occurs as about 10% of the vein filling in 1/50 - 1/20" wide veins spaced about 1" apart. This is approximately .003% chalcopyrite.									
40.0	59.1	GREENSTONE SPOTTED THROUGHOUT WITH BIOTITE - otherwise same dioritized greenstone. At 40.5 ft. ½" wide massive pyrrhotite with minor chalcopyrite vein. At 42.3 ft. ½" wide zone of K-spar replacement with disseminated malachite stain; no chalcopyrite visible. Moderate epidote alteration in veinlets begins at 42.3 ft. At about 42.5 ft. it appears that about 20% of vein filling consists of chalcopyrite; veinlets still 1/50 - 1/20" wide and about 1" apart. 53 - 53.5 ft. sheared greenstone with abundant veinlets of epidote, quartz, calcite, orange mineral, and malachite. 54.2 - 54.6 ft. another sheared zone.									
59.1	62.0	FINE GRAINED BIOTITE DIORITE. Patchy epidote replacement of mafics, fresh biotite, foliated, disseminated pyrite, pyrrhotite. Joints inclined 50 - 60° to core axis, 1/30 - 1/50" wide, marginally altered to K-spar up to 1/5" from fracture; approximately 1/10 joint fillings are chalcopyrite.									
62.0	64.6	FINE GRAINED GREENSTONE, locally dioritized, veined with quartz, calcite, epidote, orange mineral; also disseminated malachite.									
64.6	71.0	FINE GRAINED BIOTITE DIORITE. Foliation inclined at about 45° to core axis. Chalcopyrite-bearing joints spaced about 1" apart.									

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FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	Ozs/T Gold	Ozs/T Silver	ASSAY Lead %	Moly (Mo)	Copper
71.0	92.5	FINE GRAINED GREENSTONE without biotite spots, locally dioritized, patches of K-spar replacement with disseminated chalcopyrite and epidote. 78 - 80 ft: spotted with biotite. 73.4 - 76.4 ft: greenstone gouge and breccia zone with calcite, epidote, orange mineral veins. Joints from 2 - 4" apart; filled with pyrrhotite, orange mineral, approximately 10% chalcopyrite. Past 85 ft: small patches of chalcopyrite associated with dioritization and veinlets of calcite-orange mineral. 87 - 91.5 ft: calcite veins carry pyrrhotite and about 5% chalcopyrite; quartz stringers cut core at 10 - 20° -- carry pyrrhotite, about 5% chalcopyrite. 91.5 - 92.5 ft: calcite stringers parallel core axis.	315	70.0	80.0	10.0	Trace	Trace		.005	0.16
92.5	97.1	DIORITIZED GREENSTONE with biotite spots. Abundant calcite and quartz stringers. Chalcopyrite in and marginal to K-spar veinlets. Minor molybdenite in K-spar veinlets. Apparently lower chalcopyrite dissemination content than in fine grained greenstone. Joints spaced about 3" apart. At 45 - 50° to core axis.									
97.1	106.0	FINE GRAINED GREENSTONE. Dioritization marginal to fractures only. Minor disseminated chalcopyrite. 99.1 - 99.5 ft: dioritized. Joints spaced 3 - 4", chalcopyrite approximately 5% filling. Minor biotite and epidote alteration. 104 - 105.5 ft: dioritized; about 0.5% disseminated chalcopyrite. 105.5 - 106 ft: best chalcopyrite in calcite-orange mineral veinlets approximately 1/5" wide; cut core at 80 - 90°.									

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DIRECTION AND DISTANCE FROM NE. CLAIM POST

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FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	Ozs/T Gold	Ozs/T Silver	ASSAY Lead %	Moly (Mo)	Copper
106.0	109.5	DIORITIZED GREENSTONE with areas of fine grained greenstone and of K-spar and/or epidote alteration. At 106.1 ft: 2" wide vein with following sequence of deposition; orange mineral, pyrrhotite, calcite (crystals), calcite (massive). 107.5 - 109 ft: intense K-spar, minor epidote alteration with about 1% disseminated chalcopyrite.									
109.5	121.0	CHLORITE, MINOR CALCITE, COATED SLICKENSIDED FRACTURES IN PATCHY GREENSTONE. Joints lacking - chlorite fractures apparently take their place; spaced 2 - 3" apart, inclined 45° to core, chalcopyrite in fractures. Minor molybdenite in and marginal to 1/5" wide quartz veinlets. About 0.5% chalcopyrite disseminated. At 115.9 ft: good chalcopyrite disseminated marginal to irregular calcite vein. Very rare spots of 5% chalcopyrite disseminated. 117.5 - 118 ft: up to 2% chalcopyrite disseminated in K-spar alteration zone with orange mineral stringers.									
121.0	140.5	FINE GRAINED GREENSTONE with mild dioritization. Constant 0.5 - 1.0% chalcopyrite content disseminated. 125.4 ft: 2" of intense epidote-calcite, hematite(?) alteration. Past 129.5: spotted with biotite. 134.3 - 134.5 ft: intense K-spar alteration with up to 2% chalcopyrite disseminated. 136.5 - 136.8 ft: calcite cemented greenstone breccia with calcite-orange mineral veins up to 1/4" wide, cutting core at 10 - 20°. Past 137.5 ft: minor replacement by orange mineral. 139.5 - 140.5 ft: high grade chalcopyrite disseminated marginal to quartz veins, inclined at 50° to core; chalcopyrite in K-spar altered margins with stringers	320	120.0	130.0	10.0	Trace	Trace		0.01	0 25

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ELEVATION _____ DIP TESTS _____ DEPTH _____

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DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	Ozs/T Gold	Ozs/T Silver	ASSAY Lead %	Moly (Mo)	Copper
		calcite-orange mineral (which offset quartz-chalco veins) associated. Minor epidote in quartz veins and replacement.									
140.5	142.0	BIOTITE SPOTTED GREENSTONE SIMILAR TO ABOVE.									
142.0	159.0	FINE GRAINED BIOTITE DIORITE with patchy K-spar alteration and scattered veinlets of calcite and orange mineral. Chalcopyrite from 0 - 30% of joint fillings. Joints spaced ½" - 6" apart with irregular spacing. Some joints contain chlorite, minor calcite, minor molybdenite, minor orange mineral. Chalcopyrite disseminated in rare spots near chalco-bearing joints -- usually associated with epidote. Joints inclined 50 - 80° to core axis. 149 - 150 ft: calcite epidote replacement. K-spar alteration up to ½" from joints; chalcopyrite disseminated in K-spar from 1 - 5%. Past 150 ft: pyrrhotite content in joints has decreased; many joints contain no pyrrhotite; hematite (?) occurs in some joints. 153.1 ft: high grade moly. disseminated in 1" alteration zone with orange mineral, calcite, minor K-spar. 155 - 156 ft: joints regularly spaced 1¼" apart. 157 ft: 2" K-spar alteration zone with 2% chalcopyrite disseminated. Past 158 ft: chalcopyrite nearly always occurs with orange mineral in joints. 158.4 ft: Moly. disseminated in ¼" wide K-spar-orange mineral-calcite vein. 158.6 - 159 ft: joints spaced ½" with 50% chalcopyrite filling and marginal dissem. with K-spar alteration.	323	150.0	160.0	10.0	Trace	Trace		0.06	0.25
159.0	168.7	DIORITIZED GREENSTONE WITH PATCHY BIOTITE REPLACEMENT. Biotite in poikilitic crystals up to ½" in diameter.									

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DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	Ozs/T Gold	Ozs/T Silver	ASSAY Lead %	Moly (Mo)	Copper
		Areas of epidote alteration with calcite, minor chlorite, orange mineral. Chalcopyrite in minor disseminated and K-spar-orange mineral veins up to 1/10" wide.									
168.7	192.1	FINE GRAINED BIOTITE DIORITE with poikilitic biotite replacement,,abundant epidote replacement of plagioclase, chlorite replacement of biotite and filling of fractures. Joints spaced 2 - 6" with less pyrrhotite and more moly. and chalcopyrite filling. (Some joints still mostly pyrrhotite). Fine orange mineral stringers parallel core axis. Patchy K-spar, chlorite, epidote alteration. Minor disseminated chalcopyrite. 171.5 - 172 ft: greenstone inclusion. 181.7 ft: ½" wide chalco-moly-hematite(?) vein with associated K-spar, chlorite alteration. 190.5 - 191.2 ft: greenstone includion.	325	170.0	180.0	10.0	Trace	Trace		0.02	0.22
192.1	196.6	DIORITIZED BIOTITE SPOTTED GREENSTONE. Minor chalcopyrite in widely spaced joints and marginal disseminations in K-spar alteration zones. Chlorite on sheared fractures, some calcite and orange mineral fillings. 192.3 ft: 2" wide aplite cots core at 45°. 196.5 ft: small patch of 1% chalcopyrite disseminated with hematite (?) - calcite veinlets.									
196.6	198.7	FINE GRAINED BIOTITE DIORITE. Some shears contain deep reddish-brown mineral. Chalcopyrite in K-spar-orange mineral veins. 196.9 ft: 1" wide greenstone inclusion.									

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DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	Ozs/T Gold	Ozs/T Silver	ASSAY	Moly (Mo)	Copper
198.7	206.0	GREENSTONE. Abundant calcite-orange mineral veinlets cut core at low angles. 199.8 - 200 ft: spotted orange mineral replacement. 200.1 - 200.5 ft: Abundant chlorite coated shears. 200.5 - 200.6 ft: diorite with chloritized biotite. 200.6 ft: ¼" quartz-K-spar-chlorite-hematite vein at 60° to core. 203.4 ft: 2" of spotted hematite replacement.									
206.0	210.8	VERY FINE GRAINED PORPHYRITIC DIORITE with anastomosing network of biotite flakes forming foliation inclined at 60°. Large patches of K-spar replacement of plagioclase. Bluish cast to plagioclase phenos - up to 1/5" in diameter. Minor epidote replacement. Joints widely spaced; up to ½ filled with chalco. fine disseminated pyrrhotite, minor chalcopyrite.									
210.8	213.2	LEUCOCRATIC DIORITE with 5% biotite-hornblende-chlorite content. Patchy K-spar-epidote replacement - mostly marginal to quartz, chalcopyrite, pyrrhotite filled fractures.									
213.2	216.8	VERY FINE GRAINED DIORITE with anastomosing network of biotite flakes. Patchy K-spar alteration, stringers of bluish calcite parallel to core axis. 214.5 - 215.4 ft: fine grained diorite with spotty hematite alteration. Chlorite and hematite (?) on shear surfaces inclined 20 - 25° to core axis. 216.5 ft: 4" of greenstone inclusion.									

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FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	Ozs/T Gold	Ozs/T Silver	ASSAY	Moly (Mo)	Copper
216.8	218.3	FINE GRAINED DIORITE. Patchy calcite alteration and calcite veinlets. 217.5 ft: 3/4" calcite vein.									
218.3	225.0	SLIGHTLY DIORITIZED GREENSTONE. Calcite, epidote, hematite (?) stringers. Minor disseminated chalcopyrite. Pyrrhotite veins spaced greater than 4" apart. 224.8 ft: 2" brecciated zone with heulandite-calcite veinlets.									
225.0	230.3	FINE GRAINED DIORITE. Pyrrhotite veins about 2" apart. Calcite stringers and chlorite coated shears. 227.3 - 228 ft: pale greenish greenstone. Calcite-heulandite veinlets at 45 - 50° to core axis. 228.5 ft: 6" fractured zone with calcite-heulandite veinlets and minor chalcopyrite-pyrrhotite filling. 230.1 ft: 2" zone of high grade chalcopyrite disseminated in K-spar and quartz.									
230.3	239.1	GREENSTONE with patchy dioritization. Pyrrhotite veins with minor chalcopyrite widely spaced. Disseminated pyrrhotite and minor disseminated chalcopyrite. Calcite-heulandite veinlets and chlorite coated shears scattered. 230.3 ft: 6" of calcite-quartz veining at 60° to core. 231.6 ft: 2" zone of disseminated chalcopyrite in K-spar-epidote. 232.7 - 234.2 ft: pale greenish greenstone with K-spar alteration and chalcopyrite disseminated. 234.3 ft: 1" patch of chalcopyrite filling and dissem. 235.0 ft: 1" patch of epidote replacement. 235.7 ft: 1½" zone of chalcopyrite disseminated in quartz-K-spar-heulandite alteration zone.									

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LATITUDE _____ BEARING OF HOLE _____ STARTED _____

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DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	Ozs/T Gold	Ozs/T Silver	ASSAY	Moly (Mo)	Copper
		Past 238.6 ft: spotty biotite replacement. 238.8 ft: ½" wide pyrrhotite vein. 239.0 ft: 1/3" wide calcite-heulandite at 20° to core axis.									
239.1	297.0	FINE GRAINED DIORITE with areas of chlorite coated shears, scattered calcite veins at 30° to core, and pyrrhotite-chalcopyrite veins spaced 1 - 6" apart. 239.1 - 250 ft: numerous 1/5" wide calcite-heulandite veinlets with patchy chalcopyrite disseminated. 242.1 - 244 ft: dioritized greenstone with disseminated pyrrhotite. 246.0 ft: 4" greenstone with biotite spots. 247.3 ft: 1" of disseminated chalcopyrite in K-spar altered zone. 251.3 ft: 4" greenstone inclusion with disseminated chalcopyrite. 256.0 ft: 4" greenstone inclusion. Past 256.6 ft: chalcopyrite percent rises to about 0.4 - occurs in veinlets and disseminations associated with K-spar alteration and calcite-huelandite veinlets. 266.0 ft: 2" zone of calcite veinlets, chlorite alteration and disseminated pyrrhotite. 269.1 ft: 4" greenstone. Past 274.5 ft: pyrrhotite veins spaced ½ - 6" apart with up to 1/3 chalcopyrite fillings and minor moly. 276.0 ft: 1½" zone disseminated chalcopyrite and pyrrhotite in K-spar. 277.6 ft: ½" disseminated molybdenite. 279.0 ft: 2" zone disseminated chalcopyrite and pyrrhotite in K-spar. 283.0 ft: 6" of abundant chlorite coated shears at low angles to core.									

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LATITUDE _____ BEARING OF HOLE _____ STARTED _____

DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____

ELEVATION _____ DIP TESTS _____ DEPTH _____

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DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY
		285.2-287: greenstone with spotty epidote alteration and approximately 1/10 chalcopyrite in pyrrhotite veins.					
		Past 288 ft: epidote occurs in patchy K-spar replacement areas.					
		289.5 ft: 4" greenstone. 291.3 - 292.5 ft: zone of quartz veining and K-spar alteration with good chalcopyrite, molybdenite content. 294.6 ft: high grade chalcopyrite in quartz-K-spar alteration. 296.8 ft: ½" quartz-calcite vein.					
297.0	301.1	GREENSTONE with patchy dioritization, areas of dissem. chalcopyrite. 297.5 - 298 ft: area of chlorite coated shears and sheared greenstone.					
301.1	370.0	FINE GRAINED DIORITE. Greenstone inclusions from 1" to 20" scattered throughout; some dioritized; some with biotite replacement spots. 349.5 - 351 ft: chalcopyrite and pyrrhotite disseminated in small greenstone inclusions. Calcite-heulandite veinlets scattered throughout; often contain chalcopyrite and associated with K-spar alteration zones which contain disseminated chalcopyrite; some veins contain chlorite, some bluish calcite. Some rare molybdenite. Quartz veins occur individually or in 2" - 6" zones, usually with marginal K-spar alteration; some contain chalcopyrite, pyrrhotite and rare moly. Chalcopyrite occurs in widely scattered 1 - 3" patches as disseminations, usually with K-spar-heulandite alteration. Pyrrhotite veinlets spaced 2" - 10" apart with 0 - ½ chalcopyrite fillings and marginal K-spar alteration. At 357.5 ft: 2" zone calcite replacement at 75° to core.					

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DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____

ELEVATION _____ DIP TESTS _____ DEPTH _____

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DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY
370.0	482.8	MEDIUM GRAINED DIORITE (P10a on geologic map) with scattered greenstone inclusions and patches of fine grained diorite. The diorite is a foliated rock with foliation inclined about 50° to core axis. Chalcopyrite rare and occurs mainly in pyrrhotite veins spaced 1" - 10" apart. No fillings over 1/10 chalcopyrite; marginal K-spar, quartz, hornblende alteration to joints; some disseminated chalcopyrite in altered margins; some veins contain calcite and heulandite; some contain quartz; most veins inclined 75 - 80° to core. Patchy calcite replacement and veining. Heulandite in many calcite veins, rarely hematite; patches of K-spar-heulandite marginal to some zones of calcite veining. Chlorite coated shears rare, most contain heulandite.					
482.8	516.5	DIORITIZED AND BIOTITIZED GREENSTONE. Areas of irregular calcite-heulandite veins, some with epidote, some with patches of K-spar-epidote alteration. Patches of K-spar-quartz-epidote alteration with pyrrhotite veinlets and disseminated pyrrhotite and minor chalcopyrite. Past 495 ft: brecciated greenstone with calcite-heulandite veins, chlorite coated shears, K-spar-epidote-hornblende alteration, rare pyrrhotite-chalcopyrite veins. Past 507 ft: pale green coloured greenstone with local intense biotitization.					
516.5	651.6	MEDIUM GRAINED BIOTITE DIORITE. Greenstone inclusions up to 5 ft. across, dioritized with disseminated pyrrhotite. Pyrrhotite veins spaced 4" - 12" apart with heulandite, calcite, K-spar, and minor chalcopyrite. Patchy K-spar-epidote alteration with disseminated pyrrhotite and minor chalcopyrite. Areas of numerous calcite-heulandite veinlets, some with hematite, patchy					

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LATITUDE _____ BEARING OF HOLE _____ STARTED _____

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FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY
		calcite replacement in places. Also some hematite, some epidote alteration, and some heulandite alteration.					
		Chlorite-hematite coated shears scattered. Rare quartz veins with pyrrhotite, minor chalcopyrite fillings;					
		quartz veins in brecciated greenstone inclusions may contain chalcopyrite and moly.					
		At 630 ft: 1' of brecciated diorite with calcite matrix, marginal calcite alteration, chalco-pyrrhotite					
		in quartz veins, inclined at 20° to core axis.					
		643 - 646.5 ft: nearly brecciated diorite with patchy K-spar-calcite replacement, disseminated pyrrhotite and chalcopyrite, calcite veins.					
		Past 646.5 ft: numerous greenstone inclusions.					
651.6	653.5	LEUCOCRATIC DIORITE. Patchy calcite replacement and calcite veinlets, some with hematite. Some quartz veins with marginal K-spar-epidote alteration.					
635.5	685.0	MEDIUM GRAINED BIOTITE DIORITE (P10a). Greenstone inclusions up to 5 ft. across. Widely spaced pyrrhotite veins with rare chalcopyrite and marginal K-spar-epidote-hornblende alteration. Small patches disseminated pyrrhotite and chalcopyrite. Areas of leucocratic diorite with patchy hematite or biotite replacements. Scattered quartz veins and chlorite-calcite veinlets.					
685.0	699.0	BRECCIATED, DIORITIZED GREENSTONE. Areas of disseminated pyrrhotite and chalcopyrite. Irregular calcite-pyrrhotite veins with spotty replacement by bluish calcite, K-spar-epidote, hematite, and magnetite.					

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DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____

ELEVATION _____ DIP TESTS _____ DEPTH _____

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DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY
699.0	721.0	DIORITIZED, BIOTITIZED GREENSTONE. Veins: pyrrhotite, quartz-pyrrhotite, K-spar-calcite, calcite-hematite, chlorite (coated shears). Replacements: patchy K-spar. Disseminations: pyrrhotite.					

DIAMOND DRILL RECORD

LOGGED BY C.L. SMITH.

PROPERTY SPANN CREEK, STIKINE RIVER, B.C. (BC-3)

D.D.H. No. SC-2 PAGE 1

LATITUDE Located 160' S. 51° W. of I.P. Station 3 S. + 2100'

BEARING OF HOLE N. 76° W.

STARTED August 20th, 1965.

DEPARTURE

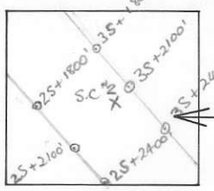
DIP OF HOLE 45°

COMPLETED August 25th, 1965.

ELEVATION 5,575 ft.

DIP TESTS

DEPTH 490 ft.



DIRECTION AND DISTANCE FROM NE. CLAIM POST 160' S. 51° W. of I.P. Station 3 S. + 2100'

CLAIM No.

SEP 30 1965

W.S.R. K.C.G. J.H.S. R D S B C B P.M.K G W M R O M C.R.N. R.B.S. G.P.R. K.F.L. J.I.B. E.C.J.

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	RECOVERY From	RECOVERY To	RECOVERY Feet	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY	ASSAY	ASSAY	ASSAY
0	41.6	GREENSTONE: greenish-purple grey colour; irregular dioritization and biotitization - gives brecciated appearance; density of biotite spots variable; rock locally foliated at 45° to core axis with biotite flakes parallel to folia in places. Veins: "Rusty" pyrrhotite, some contain calcite, some chlorite, marginal alteration of K-spar or epidote of variable attitude - usually 40 - 80° to core axis; rare quartz veins. Disseminations: Fine pyrrhotite; rare pyrite in epidote veinlets and alteration patches; very rare chalcopyrite in patches of mafic replacement. Alterations: K-spar in bands up to ¼" wide, usually marginal to pyrrhotite veinlets; epidote patches with pyrrhotite; rare quartz with pyrrhotite; very rare patches epidote-quartz-biotite.	6.0	31.0	13.7								
41.6	45.7	DIORITIZED AND BIOTITIZED GREENSTONE: with feldspar laths and biotite books evenly distributed; rare biotite books up to ½" across; rare patches of high feldspar content. Veins: Very rare - of varieties noted above.	31.0	50.0	21.7								
45.7	49.0	GREENSTONE: 47.5 ft: 3" area of 20% disseminated pyrrhotite and 2% disseminated chalcopyrite.											
49.0	52.0	DIORITIZED AND BIOTITIZED GREENSTONE:											

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LATITUDE _____ BEARING OF HOLE _____ STARTED _____

DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____

ELEVATION _____ DIP TESTS ____ _____ DEPTH _____

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FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	RECOVERY From	RECOVERY To	RECOVERY Feet	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY
52.0	74.0	GREENSTONE: Spotty dioritization. 52 - 61 ft: up to 70% replacement by quartz-K-spar. 71 - 74 ft: pyrrhotite veins up to 1/8"; associated with disseminated pyrrhotite and pyrite, and quartz-K-spar alteration.	50.0	92.6	19.1					
74.0	92.0	FINE GRAINED DIORITE WITH ANASTOMOSING BIOTITE PATTERN. Veins: Pyrrhotite-pyrite veins spaced 1 - 6" apart with about 1/10 chalcopyrite filling at 45 - 70° to core axis; irregular quartz stringers up to ¼" wide with marginal zones with disseminated pyrrhotite, pyrite, chalcopyrite. Disseminations: Pyrrhotite and pyrite throughout; up to 1% chalcopyrite and minor moly. (some in stringers) in patches of K-spar alteration; some chalcopyrite disseminated without associated alteration. Alteration: Patchy K-spar; also marginal to pyrrhotite veins.								
92.0	108.0	DIORITIZED GREENSTONE: Dioritized areas have anastomosing biotite pattern. Cut by 1" dykelets of fine grained diorite. Dissemination: Up to 0.3% chalcopyrite in regular dissemination and in veinlets and quartz veins with moly.	92.5	113.5	19.9					
108.0	109.8	BRECCIATED, DIORITIZED GREENSTONE: Veins: Quartz up to ½" wide; pyrrhotite up to ½" wide; calcite in patches of quartz alteration. Disseminations: Pyrrhotite, up to 0.3% chalcopyrite. Alterations: K-spar - epidote; spotty calcite after quartz.								
109.8	117.7	MASSIVE CALCITE VEIN AND REPLACEMENT ZONE: Small greenstone breccia fragments and disseminated pyrrhotite.								

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117.7	124.3	GREENSTONE: Locally brecciated. Calcite veins and replacement throughout. Disseminated pyrrhotite and pyrite.	113.5	135.0	16.1					
124.3	364.0	EVEN, MEDIUM GRAINED BIOTITE DIORITE with foliation inclined at about 45° to core axis. Greenstone inclusions up to 8" across are dioritized and K-spar replaced in small patches. Veins: Pyrrhotite veinlets contain minor chalcopyrite, calcite, quartz, moly., are spaced ½" - 10" apart, from stringers to ¼" wide; calcite veinlets contain minor chlorite, hematite, are at low angles to core axis, from stringers to ¼" wide. Quartz veins with epidote or calcite up to ¼" wide are rare. Disseminations: Rare patches of pyrrhotite-minor chalcopyrite occur in K-spar-quartz-epidote alteration; at 202 and at 209 ft. there are 2" patches of up to 4% disseminated chalcopyrite in K-spar-epidote alteration. Alteration: Plagioclase is locally selectively replaced by K-spar of white or pink colour - results in pinkish-white rock spotted with biotite; percentage of K-spar replacement per 10 ft. interval varies from 10% to 80% of original plagioclase; K-spar-epidote marginal to pyrrhotite veinlets; patchy calcite, hematite, K-spar-quartz, epidote-quartz, epidote, K-spar-quartz-actinolite alterations.	135.0	164.0	21.7					
			164.0	186.0	19.8					
			186.0	207.0	19.9					
			207.0	227.0	19.6					
			227.0	490.0	257.7					
364.0	425.0	FINE TO MEDIUM GRAINED BIOTITE DIORITE with strong foliation inclined about 45° to core axis. Few inclusions of medium grained diorite and greenstone. Veins: Pyrrhotite veinlets with minor hematite, quartz, spaced 1" - 14" apart. Calcite-hematite-chlorite veinlets								

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FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY
		of variable intensity and attitude scattered throughout. Disseminations: Patchy pyrrhotite.					
		Alterations: About 50% of plagioclase replaced by pink or white K-spar; K-spar-epidote marginal to pyrrhotite veinlets.					
425.0	438.0	FINE TO MEDIUM GRAINED BIOTITE DIORITE same as above with pervasive pink K-spar replacement of plagioclase.					
438.0	459.0	K-SPAR REPLACEMENT OF BIOTITE DIORITE: Patchy and associated with calcite-pyrrhotite-epidote veinlets. 449.0 - 449.5 ft: zone of calcite veining and replacement with rare K-spar veins.					
459.0	490.0	MEDIUM GRAINED, FOLIATED BIOTITE DIORITE with variable percentages of white and pink K-spar replacement of plagioclase.					