E1

ESSO RESOURCES CANADA LIMITED

ESSO MINERALS CANADA

803748

DRILL LOG

PROJECT: 2153	GROUND ELEV.: 3495' 1065.3m
HOLE NO.: 2H	BEARING: —
LOCATION: Sulphurets Gold Zone	DIP: -90
	TOTAL LENGTH: 552' 168.25m
LOGGED BY: R. Baerg, D. Bridge	HORIZONTAL PROJECT: 5.38 m
DATE: July 13/81	VERTICAL PROJECT: 168.08m
CONTRACTOR: Artic Diamond Drilling	
CORE SIZE: BQ	
DATE STARTED: July 12/81	
DATE COMPLETED:	

DIP TESTS

dip	obs brg	corr. brg.
60'	88.6	155.5	182.0
180'	88.8	146.5	174.0
300'	88.1	125	152.5
420'	86.8	105.5	133.0
540'	85.0	115.	142.5

ALTERATION SCALE

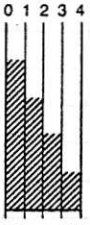
absent

slight

moderate

intense

TOTAL SULPHIDE SCALE



traces only

< 1%

1% – 3%

3% – 10%

> 10%

COMMENTS

0.85 m stick-up on casing

LEGEND

R. D. PENHALL LTD., MADE IN VANCOUVER, CANADA
DUKSBAK WATERPROOF

Dave A Bridge

 PROJECT: 2153 HOLE NO. 24

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION py veins <1cm A	1-10 B	>10 C	qtz D	cal E	FRACTURE INTENSITY	% VEIN QTZ.
0				0.00 - 1.98: overburden							
				1.98 - 21.72: chl. and; 1.98 - 4.96: chl. and.; med gr-gry; abund. dk gr chl grains ≈ 5%, local alt chl frags to 1cm, chl on fracts, chl grains are .5-2mm; minor qtz-cal veining, hairline to .5cm	12	2	0	10	5	0	
						4.7/m		3.6/m			
5.0			45	4.96 - 14.78: chl. and; lt-med gr; chl grains locally, 1-2mm, chl groundmass w̄ lighter + darker gr chl patches giving mottled text., locally same v. dk gr chl patches w̄ py, to 5mm; locally fract and healed; qtz-py veins, to 2cm, throughout; locally silic; 6cm py v	130	8	0	29	14	M	
						14.1/m		3.0/m			
10.0			20	shear							
			25	shear							
			80	4cm qtz-py vein							
			80	2cm qtz-py vein							
15.0				14.78 - 21.72: chl. and.; med gr-gry; chl. grains through out, up to 5% locally, grains to 3mm, dk gr chl, subang to sub round; chl groundmass, weakly silic locally; locally int. fract w̄ qtz-cal healing; local ep alt on fracts, local ep after fs grains; chl-py on fractures, qtz-cal veining + patches throughout, minor qtz-chl veining.	41	0	0	31	13	M	
						5.9		4.5			
20.0			27 c	21.72 - 23.25: chl. and; med gr-gry; transition unit?, minor amt. of chl grains, locally fract	17	0	0	5	4	M	
						11.1/m		3.3/m			

 PROJECT: 2153 HOLE NO. 24

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS oz/ton Au	ASSAYS ppm Ag	ASSAYS ppm Cu	ASSAYS ppm Mo
1.98 - 4.96: py - 5-10%, f.-m.g., mainly		1.98		1.02	3878	.005			
as veins; 6 obs of vis Au, mainly along sm. py veins + sm. qtz-chl-py veins.		3.0		2.24	3879	.010 .025 .024	1.6 2.0	310 1400	2 1
4.96 - 5.24: py - 10%, f.-m.g., mainly as		5.24		0.76	3880	.040			
veins; 3 obs. of vis Au in and around py veins.		6.0				.040	3.2	144	1
5.24 - 9.78: py - 40-45%, f.-m.g., mainly				3.00	3881	.042			
as patches + veins, some patches to 8cm, 17 obs of vis Au in w py patches and		9.0				.040	2.4	684	2
along sm py veins; trace chalco, f grains + patches in py.		9.78		0.78	3882	.019 .030	2.8	4800	12
9.78 - 14.78: py - 10-15%, f.-m.g., mainly				2.12	3883	.027 .029	2.6	1032	2
as sm-med veins; 9 obs of vis. Au, in py veins and patches;		12.0							
trace chalco, dissem in py.				3.00	3884	.029 .029	1.6	560	1
14.78 - 21.72: py - 5-10%, f.-m.g., mainly as		15.0							
sm. veins, 1 obs of vis. Au in 1.5cm qtz-py vein; trace chalco				3.00	3885	.027			
in py; trace Ag-grey mineral in several qtz veins, 1 obs of						.030	1.6	1140	1
sphalerite.		18.0							
				3.00	3886	.027 .029	2.0	812	1
		21.0							
21.72 - 23.25: py - 5-10%, f.-m.g., mainly small veins,				3.00	3887	.047 .040	2.6	880	2
trace dissem chalco in py.									

R. D. PENHALL LTD., MADE IN VANCOUVER, CANAD
DUKSBAK WATERPROOF

 PROJECT: 2153 HOLE NO. 24

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION	ALTERATION py veins <1cm A	1-10 B	>10 C	qtz v D	cal v E	FRACTURE INTENSITY	% VEIN QTZ.
					w̄ ang chl frags, also some ang. silic frags, frags to 1cm, locally silicified, local patches of aph. and.							
25.0					23.25 - 36.30: aph. chl. and; med- dk gr; mottled, med-dk gr. chl. groundmass, locally hairline fract w̄. py and/or cal on fract.; qtz-cal veining throughout							
			42	8cm qtz-cal-py vein.	usually contain py, veins to 8cm;	117	3	0	20	22	M	
					locally some cal veins have dk chl rims, locally some dk gr. chl grains vis. in lt gr chl groundmass; also locally some sm white grains, ep after fs?, locally some bleaching		9.2		1.5			
30.0					w̄ more abund. dk gr chl grains vis. (1-2%)							
			50	3cm qtz-cal-py vein								
			60	2.5cm qtz-cal py vein								
35.0			70	shear	36.30 - 55.36: chl. and.; lt-med gr.-grey, med. grained to v. f. grained, several local variations in alt. + text; to 42.73 is med gr chl and., abund. dk gr chl grains to 3mm, grains are locally aligned (flow text.?);							
40.0					locally very good relic porphyry text, ang. + rectangular chl + fs? grains abund; 42.73 to 44.35 is more alt. or bleached, lt gr. chl grains less obvious and less abund.; 44.35 to 45.85 same as to 42.73, good relic text, several relic porph. clasts?; 45.85 to 55.36 is similar to 42.73-44.35 but is more silic., lt pale gr., abund lt. gr. chl. grains; abund qtz veining, to 1cm, throughout	117	1	0	76	32	L	
							9.0/m		4.0/m			
45.0												

 PROJECT: 2153 HOLE NO. 24

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS oz/ton Au	ASSAYS ppm Ag	ASSAYS ppm Cu	ASSAYS ppm Mo
23.25 - 36.30 : py - 20%, f.-m.g. mainly as sm. veins + irreg. patches; 7 obs. of vis Au, mainly along sm. py veins and in qtz-cal-py veins		24.0							
				3.0	3888	.048			
						.048	4.8	850	1
		27.0							
				3.0	3889	.033			
						.032	3.2	838	2
		30.0							
				3.0	3890	.096			
						.090	5.8	1340	2
		33.0							
				3.0	3891	.027			
						.030	3.0	1360	1
		36.0							
36.30 - 55.36 : py - 5-10%, f.-m.g., mainly as sm. veins; 9 obs of vis Au, mainly assoc w. sm. py veins and py-qtz veins, trace chalco and moly, several obs of Ag-grey mineral in or along qtz veins; 1 obs of chalcocite				3.0	3892	.009			
						.013	1.2	918	22
		39.0							
				3.0	3893	.014			
						.013	1.6	774	8
		42.0							
				3.0	3894	.013	1.2	454	18
						.011			
		45.0							

R. D. PENHALL LTD., MADE IN VANCOUVER, CANAD
DUKSBAK WATERPROOF

 PROJECT: 2153 HOLE NO. 24

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION py <1cm A	ALTERATION veins 1-10 B	ALTERATION veins >10 C	ALTERATION qtz v D	ALTERATION cal v E	FRACTURE INTENSITY	% VEIN QTZ.
45.0				entire unit; locally fract. w̄ minor py + chl on fracts, locally sericite alt on some fracts.							
50.0											
55.0		60 c		55.36 - 60.40: chl. dior.; med-dk gr, coarse grained, good relic text. after diorite?, very abund. dk gr. chl grains to 2mm, chl after hbl?, locally up to 40%, subangular; locally abund. white grains, relic fs.?; minor cp alt in ground mass, locally bleached along qtz veins; minor qtz veining, up to 1cm, minor hairline cal veining,	22	0	0	19	11	0	
						4.4		3.8			
60.0			55 mass. qtz-py vein, 62cm	60.40 - 61.02: mass. qtz-py; massive py in qtz, fairly sharp vein contact.				1			
				61.02 - 72.04: chl and.; med gr-grey to dk gr; abund. dk gr. chl. grains, up to 30% locally, grains are 1-3mm, subhedral to euhedral, chl after hbl?, locally grains are aligned (flow?), local	44	0	0	35	7	L	
65.0				white subhed. to euhed. grains, relic fs.?; locally silic and bleached, chl grains fade to lt gr., bleached and silic along qtz veins, qtz veining to 7mm, throughout; fault? contact w̄ lower unit,		4.0		3.2			

 PROJECT: 2153 HOLE NO. 24

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS oz/ton Au	ASSAYS ppm Ag	ASSAYS ppm Cu	ASSAYS ppm Mo
		45.0							
				3.0	3895	.019			
						.028	1.6	47.4	16
		48.0							
				3.0	3896	.041			
						.031	2.2	860	58
		51.0							
				3.0	3897	.016			
						.018	1.8	364	32
		54.0							
55.36 - 60.40: py - 5%, f-m g., mainly as sm veins, trace chalco + moly obs in several qtz veins		57.0		3.0	3898	.012			
						.012	1.6	466	20
				3.0	3899	.011			
						.012	1.8	688	16
		60.0							
		60.4		0.40	3900	.025 .022	2.0	546	58
60.40 - 61.02: py - 85%, f-m.g., massive; trace moly in qtz; py is anhed. to sub hed.		61.04		0.64	3901	.003			
						.040	3.8	1160	208
				1.96	3902	.008			
						.012	1.8	814	34
61.02 - 72.04: py - 5 - 10%, f.-m.g., mainly as sm veins; good chalco to ≈ 1% from 67.68 - 68.41, dissem. in ground mass + along sm qtz veins (1.5mm), trace in rest of unit; abund chalco in 15cm healed, fault contact w/ lower unit, also 3 obs of sphalerite and 1 of galena		63.0							
				3.0	3903	.009			
						.011	1.4	368	26
		66.0							
				3.0	3904	.016			
						.020	1.8	1520	32

R. D. PENHALL LTD., MADE IN VANCOUVER, CANAD
DUKSBAK WATERPROOF

 PROJECT: 2153 HOLE NO. 24

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION py <1cm A	ve 1-10 B	ns >10 C	qtz D	cal E	FRACTURE INTENSITY	% VEIN QTZ.
				rip-up clasts of lower unit abundant, up to 2cm, clasts of upper unit to 1.5cm, zone mod. to well silic., clasts of the upper unit are less alt. than							
70.0				than upper unit is along contact.							
		20° c		72.04 - 73.94: aquagene ash tuff, med-dk gry; v.f.g. crystalline, mod. silic, very f.g.							
		10° c		ash frags?, white (quenched?) rim along upper contact, 2-10%	6	0	0	1	2	M	
						3.2		0.5			
75.0				<1mm spherical to subspherical chl grains, chl is pale gr-gry and translucent, minor, .1-5m, qtz veining							
				73.94 - 81.63: silic. alt. and.; med gr-gry; well silic., locally, some relic dk gr. chl grains,							
			40 F 10 F	1-2mm; locally fract. and healed w̄ qtz, 2 faults w̄ crushed	2	0	0	21	5	L	
				rock; local zones w̄ chl grains less silic and have f. chl ground		0.3		2.7			
80.0				mass, pale lt gr and translucent. minor qtz veining, to 2cm, throughout, usually w̄ minor amt of py.							
				81.63 - 82.79: aquagene ash tuff, same as previous tuff unit; contact very broken, tuff brecciated	44	0	0	2	2	M	
		15 c		cracks + seams filled w̄ f. py., frags show bleached rims, lower		37.9		1.7			
		25 c		contact also has a white-bleached rim; one qtz vein contains sm. ang. tuff frags; local hairline							
85.0				fracts w̄ py, indistinct upper contact							
				82.79 - 84.25: silic alt. and.; lt-med gry, same as 73.94							
		15 c		- 81.63, very well silic.; a few	5	0	1	4	3	M	
				local patches w̄ chl grains, locally		4.1		2.7			
				fract. w̄ qtz healing. 84.25 - 86.61: aquagene ash tuff, same as previous							
				tuffs, more abund. py; abund.							
90.0				25-30%, spherical grains of	29	0	0	2	0	L	
				py after chl, locally bleached							

12.3/m 0.8

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS g/t Au	ASSAYS ppm Ag	ASSAYS ppm Cu	ASSAYS ppm Mo
		69.0							
				3.0	3905	.009			
						.011	1.6	1035	40
		72.0							
72.04 - 73.94: py - 20%, f.-m. g., mainly as				1.94	3906	.015			
sm patches + discont. veins, v.f.						.022	1.4	120	2
dissem py throughout, several		73.94							
obs. of sph. in sm discont. qtz				1.06	3907	.006			
+ cal veins; 1 obs of vis Au? (72.3)		75.0				.018	1.2	820	32
py stringer appear to be									
mainly in sm qtz veins.									
73.94 - 78.56: py - 10-15%, f.-m.				3.0	3908	.010			
g., mainly as sm						.019	1.6	582	24
patches + dissem; 4 minor obs									
of chalco, sm. patches + dissem in		78.0							
py.									
78.56 - 79.44: py - 70%, f.-m.									
g., semi-mass.				3.0	3909	.012	1.4	480	4
py in qtz-chl ground mass						.020			
79.44 - 81.63: py - 10%, f.-m.									
g., mainly as sm.		81.0							
patches + dissem.		81.63		0.63	3910	.009			
81.63 - 82.79: py - 15%, v.f.-						.018	1.2	718	24
m.g., mainly as				1.16	3911	.023			
sm. veins + on fracts.		82.79				.024	1.4	82	20
82.79 - 84.25: py - 25-30%,				1.21	3912	.012			
v.f.-m.g., mainly		84.0				.023	1.6	320	30
as sm. patches + 1-25cm mass.									
section. (84.0 - 84.25)									
84.25 - 86.10: py - 30-35%,				2.56	3913	.032	2.4	64	2
v.f. - f.g., mainly						.041			
as v.f. dissem + irreg. veins +		86.50		0.50	3914	.018			
patches.		87.0				.021	1.6	65	10
86.10 - 86.61: py - 50-60%,									
v.f.g., semi-									
mass. + dissem.				3.0	3915	.012			
86.61 - 88.35: py - 5-10%, v.f.									
-m.g., mainly									
as sm. sphericals + veins.		90.0							

R. D. PENHALL LTD., MADE IN VANCOUVER, CANAD
DUKSBAK WATERPROOF

 PROJECT: 2153 HOLE NO. 24

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION PY <1cm A	veins <10 B	veins >10 C	qtz ✓ D	cal ✓ E	FRACTURE INTENSITY	% VEIN QTZ.
90.0				to pale white, gives appearance of banding.							
				86.61 - 88.35: Tuff; med gr, v.f.g., minor qtz-cal veining to 5mm, abund. subhedral grains of chl (<1mm) often replaced by py; local anhed patches (.5-1mm) of cal.; minor ep. alt, locally dk gr chl on fracts.	9	0	0	5	7	L	
						5.2		2.9			
95.0				88.35 - 91.85: chl and.; med-dk gr., abund. anhed. to subhed. chl grains, to 2mm, several sm. chl veins (.5mm), lt gr mod. silic chl groundmass; locally some larger ang. chl frags, to 5cm, accidental clasts?, abund qtz veining up to 1.5 cm.	6	0	0	34	4	L	
						1.7		9.7			
100.0				91.85 - 109.19: aph chl. and; med-dk gr-blk, overall mottled text., local bleached (lighter gr.) silic. zones, locally varies from a smooth cherty text to a fine granular text; locally int. fract with cal healing; locally some zones with 1-2 mm chl grains; qtz veining throughout, to 2cm, usually w hematite and/or py + chl; chl - cal and locally py on fracts.	90	0	0	44	23	M	
						5.2		2.5			
105.0											
		55 C / 40 C		109.19 - 109.75: chl. and.; lt gr., abund. subhed to cubed. chl grains, .5 to 2mm, chl grains show alignment (flow?), slightly bleached along qtz veins; cal + chl on fracts.	2	0	1	1	0	0	
110.0						5.4/m		1.8			
				109.75 - 116.97: aph-chl. and; med pale gr - dk gr-blk; overall							

 PROJECT: 2153 HOLE NO. 24

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	WIDTH	SAMPLE NUMBER	ASSAYS oz/ton Au	ASSAYS ppm Ag	ASSAYS ppm Cu	ASSAYS ppm Mo
88.35 - 91.85: py - 5%, f.-m. g., mainly as sm. veins; one obs. of Ag-gry mineral in qtz vein with hematite + py.		90.0		3.0	3916	.016			
91.85 - 109.19: py - 5-10%, f.-m.g., mainly as sm. veins and irreg. patches; minor chalco throughout, dissem + in qtz-py-hematite veins, several obs of chalcocite? and Ag-gry mineral.		93.0		3.0	3917	.038			
		96.0		3.0	3918	.046			
		99.0		3.0	3919	.014			
		102.0		3.0	3920	.023			
		105.0		3.0	3921	.011			
						.019	3.2	1240	4
		108.0		3.0	3922	.026			
109.19 - 109.75 ÷ py - 70%, f.-m. g., mass. section 30cm; trace Ag-gry mineral in qtz vein.						.040	3.2	1010	18
		111.0		3.0	3923	.006			
109.75 - 116.97: py - 15%, f.-m.g., mainly as sm veins, and dissem patches; trace chalco dissem in py.						.019	2.4	948	2

R. D. PENHALL LTD., MADE IN VANCOUVER, CANAD
DUKSBAK WATERPROOF

 PROJECT: 2153 HOLE NO. 24

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION py <1cm A	ALTERATION veins 1-10 B	ALTERATION veins >10 C	ALTERATION qtz v D	ALTERATION cal v E	FRACTURE INTENSITY	% VEIN QTZ.
				mottled text. of lt + dk gr chl patches + zones; w. - mod silic w/ bleaching along some qtz + py veins giving a local banded appearance,							
115.0				local int. hairline fract healed w/ cal, minor qtz-cal veining, up to 2.5cm, one mass. cal zone, veins usually contain py and locally chl; chl on fracts; text. becomes more f.g. toward bottom w/ sm (<1mm) dk gr chl grains	56	0	0	7	8	H	
						7.8		1.0			
				116.97 - 120.92: f.g. chl. and; pale gr-gry to gry, abund f. pale gr translucent chl grains (<.5mm); locally some pale gr. aph chl patches, usually							
120.0			40	2.5cm py v. mod fract w/ py on fracts; local ep alt on fracts; locally silic., local silic frags to 5mm; chl + minor sericite alt on fracts.	36	1	0	19	8	M	
						9.4		4.8			
				120.92 - 124.50: silic. alt. and; med gr-gry; mod to well silic., minor qtz veining throughout, veins to 5mm; cal veining minor, also on hairline fracts;							
125.0				f.-m.g. text; dk gr chl grains, .5-1mm, anhed. to euhed., to 10% locally; white relic fs grains?, to 1mm, anhed. to euhed, 3-5% locally; locally ep after f.s.; local ang. clasts to 1.5cm, alt. to pale gr chl w/ varying f. text.s;	29	0	0	10	6	M	
						8.1		2.8			
				124.50 - 141.32: chl. and; med-dk gr.; abund dk gr, anhed to subhed, chl grains, to 2mm; ground mass is mainly pale gr translucent chl w/ minor relic f.s.							
130.0			25 F	grains (<.5mm); section of fault crushed rock from 128.05 - 129.75; minor sericite alt. in fault zone; minor local ep in ground mass, ep after f.s.?; local hairline fracts healed w/ cal., int qtz veining throughout, veins to 1cm, local mass silic zones; local zones w/ anhed to subhed, 1-2mm, white silic grains. (after f.s.?), several <1mm, dk gr chl veins, also along	48	0	0	63	32	H	
						2.9		3.7			
135.0				some qtz veins.							

 PROJECT: 2153 HOLE NO. 24

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS oz/ton Au	ASSAYS ppm Ag	ASSAYS ppm Cu	ASSAYS ppm Mo
		114.0							
				3.0	3924	.007			
						.013	2.0	1060	2
116.97 - 120.92 : py - 15-20%, f.-m. g., mainly as sm.		117.0							
veins + dissem patches; trace Ag-gry									
mineral in qtz vein., one obs. of				3.0	3925	.009			
chalco on a fract.						.020	2.4	1120	2
		120.0							
120.92 - 124.50 : py - 10-15%, f.-m.									
g., mainly as sm. veins				3.0	3926	.006			
+ discont. patches on fracts; trace						.019	2.0	66+	4
chalco assoc w. qtz veins. 1 obs of									
Ag-gry min. in qtz vein.		123.0							
				3.0	3927	.026			
124.50 - 141.32 : py - 5-10%, f.-m.									
g., mainly as sm.									
veins + irreg. dissem. patches; trace		126.0							
chalco, dissem patches + w py.									
				3.0	3928	.011			
		129.0							
				3.0	3929	.014			
		132.0							
				3.0	3930	.005			
		135.0							

R. D. PENHALL LTD., MADE IN VANCOUVER, CANAD
DUKSBAK WATERPROOF

 PROJECT: 2153 HOLE NO. 24

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION py <1cm A	veins 1-10 B	veins >10 C	qtz v D	cal v E	FRACTURE INTENSITY	% VEIN QTZ.
135.0											
140.0											
				141.32 - 147.51 : aph chl and; pale - dk gr, int fract and silicified; ext qtz veining throughout, to 14cm; minor f ep alt throughout, as sm. grains + on rims of chl frags; qtz veins often w̄ chl; minor cal veining, to 1cm; locally a f. c granular text, sm dk. gr. chl grains w̄ fine lt gr chl groundmass; fault contact w̄ lower unit	23	1	0	56	10	H	
						3.9		9.0			
145.0			40	14cm qtz v.							
			40 F	147.51 - 152.08: chl. alt. and; med-dk gr., f.g. to aph. text., locally int. fract, cal + qtz healed locally, local aph. chl. frags; upper section has abund. 1-2mm, dk.gr. chl. grains, w-mod silic.; lower section is int.	28	0	0	33	5	H	
150.0				silic; ep + sericite alt. along fracts + on rims of chl. frags. + grains; int. qtz veining throughout, veins to 2cm; minor cal, mainly as patches + on fracts.		6.1		7.2			
				152.08 - 156.06: aph. chl. and.; med-dk gr., w-int. silic, local zones of granular qtz + fs (?) w̄ abund. f. chl.; local zones of chl. and. w̄ abund 1-2mm dk. gr chl grains, locally w̄ larger chl. frags.; local int fract w̄ cal healing; minor cal. veining, hairline to several mm, minor qtz veining, one vein to 2cm; local zones w̄ ep. alt, usually as f. irreg. patches and the odd vein.	19	0	0	11	8	M	
155.0						4.8		2.8			
				156.06 - 160.24: silic. fault zone; lt gry to med gr.; to 158.07 very	10	0	0	2	1	H	
						2.9/m		0.5/m			

 PROJECT: 2153 HOLE NO. 24

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	TO	WIDTH	SAMPLE NUMBER	ASSAYS oz/ton Au	ppm Ag	ppm Cu	ppm Mo
		135.0							
				3.0	3931	.005			
		138.0							
				3.0	3932	.009			
		141.0							
141.32 - 147.51 : py - 5%, f-m.g., mainly as sm. veins, trace chalco in qtz veins + silic areas; trace Ag-grey min. in qtz vein.				3.0	3933	.009			
		144.0							
				3.0	3934	.013 .013	3.0	654	24
		147.0							
147.51 - 152.08 : py - 10%, f.-m.g., mainly as sm. veins and on discont. fracts; trace chalco as sm dissem patches; trace moly in qtz vein.				3.0	3935	.024 .020	2.8	1260	44
		150.0							
				3.0	3936	.021 .020	2.0	628	2
152.08 - 156.06 : py - 3-5%, f.-m.g., mainly as sm. veins; trace chalco as dissem patches.		153.0							
				3.0	3937	.026 .026	2.4	2160	40
156.06 - 160.24 : py to 158.07 - 5-10%, from 158.07 - 160.24 - 2-3%, mainly as sm. veins and on fracts, trace chalco as dissem patches		156.0		3.0	3938	.026 .023	2.8	1920	44

R. D. PENHALL LTD., MADE IN VANCOUVER, CANAD
DUKSBAK WATERPROOF

 PROJECT: 2153 HOLE NO. 24

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION Py veins <1cm A	1-10 B	>10 C	qtz v D	cal v E	FRACTURE INTENSITY	% VEIN QTZ.
157.5				silic, rock is highly crushed, frags to 1cm, mainly aph. chl frags, pale gr. translucent; ep + sericite alt along fracts. + between grains; to 160.24, w-mod silic. abund. dk gr. chl. frags							
160.0				to 1cm, ang. to sub ang., locally cemented w̄ cal; minor ep + sericite alt. 160.24 - 165.38: aph. chl. and.; med gr-gry to dk gr; local pale gr. chl patches, local patches w̄ abund. ep. alt, minor ep. throughout, mainly as f. irreg. grains + patches; locally int. silic, one zone w̄ granular qtz grains + abund. f. chl., possible intrusion?; locally some relic	28	0	0	9	12	H	
						5.4		1.7			
165.0				chl. grains (.5-1mm); minor qtz + cal. veining, veins to 3mm, cal on fracts and one more mass. patch at end of unit. 165.38 - 168.25: f.g. alt. and; f.g. and w. alt., med - dk gr.; abund 1-2mm dk gr. chl. grains, almost masked by ground mass color; abund. ep in ground mass as f. grains + patches; 2-3% dk gr chl grains; minor qtz-cal veining, hairline to 5mm; cal along fracts and	17	0	0	8	5	L	
						5.9		2.8			
170.0				locally chl as well.							
175.0											
180.0											

 PROJECT: 2153 HOLE NO. 24

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS oz/ton Au	ASSAYS ppm Ag	ASSAYS ppm Cu	ASSAYS ppm Mo
		159.0							
160.24 - 165.38: py - 10-15%, f.-m.g., mainly as sm. veins, also on fracts; trace chalco as dissem w py.		162.0		3.0	3939	.015 .018	2.2	1000	46
		165.0		3.0	3940	.016 .018	3.6	1360	44
165.38 - 168.25: py - 3-5%, f.-m.g., mainly as sm. veins; trace chalco, dissem + in one sm. qtz vein.		168.25		3.25	3941	.007			

R. D. PENHALL LTD., MADE IN VANCOUVER, CANAD
DUKSBAK WATERPROOF