

HOLE NO.: 40-50-7

PROJECT: *Hoodoo, Green*

PAGE NO.: 1 OF 2

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: *Sept 1, 1980*REF. TO CLAIM CORNER: *BZT-6*

COORDINATES:

N.

E.

DATE FINISHED: *Sept 2, 1980*SCALE: *1/100*INCLINATION: *-040°*

BEARING:

TOTAL DEPTH: *27.43 m.*LOGGED BY: *G.L. Holland*

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.
	silica	sericite	clay	ch/epid.											
0								0 - 3.96 Overburden							
5	A	A	A	A				<p>3.96 m</p> <p>Feldspar-Quartz-Biotite Porph "Unit 5"</p> <ul style="list-style-type: none"> - pale green, fine grained matrix - comp - 40% phenos - 9% fsp → ser + clay <ul style="list-style-type: none"> - 6% Qtz - 5% bio → chl. - 80% matrix - silica, sericite. - s/w weakly developed, containing MoS₂ and cpy - 2-3% total sulphides - phenos rounded to subrounded. - limonite strong on fractures. - fracturing very strong. 							
								→ 0.6 empty unit							
								→ 0.3cm MoS ₂ unit							
								→ 1cm Qtz unit							
								→ 3cm gouge zone							
								→ 1cm Qtz unit							
								→ 1cm gouge zone							
								→ 1cm Qtz unit							

part 1 of 2
9377

2-3%

7.75

10.9%

15.11

BQ wire line

HOLE NO.: TC-80-7

PROJECT: Hoodoo Creek

PAGE NO.: 2 of 2

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N.

E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARINGS:

TOTAL DEPTH:

LOGGED BY:

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP INT.	ES MA
	silica	sericite	clay	ch/epid												
1																
2																
3																
4																
5																
6																
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91																
92																
93																
94																
95																
96																
97																
98																
99																
100																

27.43m End of Hole

BO wire line

HOLE NO.: KC-80-6

PROJECT: Hoodoo Creek

PAGE NO.: 1 of 28

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: Aug 21, 1980

REF. TO CLAIM CORNER: BZT 6

COORDINATES:

N.

E.

DATE FINISHED: Sept 1, 1980

SCALE: 1:100

INCLINATION: -63°

BEARING: 181°

TOTAL DEPTH: 410.88 m

LOGGED BY: G.L. Holland

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE RECY / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% RECY. SAMP. INT.
	silica	sericite	clay	ch/epid											
0							0-0.31 m	Stick-up							
							0.31 - 4.60	Overburden							
5							4.60 m								
							0.7cm qtz unit.								
							1.3cm qtz unit w MoS ₂								
							1cm gouge zone								
							1cm py unit w 0.6cm qtz								
							0.7cm py unit w 1cm qtz encl.								
							2x1cm qtz vnits.								
							Gouge zone - highly oxidized								
							0.2cm MoS ₂ unit w py								
							2cm gouge zone								
							30cm gouge zone								
14.90							14.90 m								

Feldspar-Quartz-Biotite Porphyry Units

- pale green, fine grained matrix
- composition - 15-20% phenos - 8% fsp → ser
7% qtz
5% bio → chl.
- 80-85% matrix - silica, sericite
- phenos rounded to subrounded.
- pheno composition seems to vary from piece to piece but the above is an average.
- Qtz s/w mod to weakly developed - contains MoS₂ and cpy.
- 3-4% py - numerous py vnits.
- Native Cu found periodically along frts.
- fracturing v. strong at start due to following slope face down.
- limonite strong on fractures.
- MoS₂ confined to qtz s/w.

* clay alth of fsp's intense around frts.

* All gouge zones are highly oxidized

Part 1 of 2
9/5/80

Fault contact

Feldspar-Hornblende Porphyry "Unit 10"

3-4%

NQ wireline

7.6

8.6

13.6

14.90

HOLE NO.: KC-80-6

PROJECT: Hoodoo Creek

PAGE NO.: 2 of 28

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

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N.

E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY:

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y CAMP INT	
	silica	sericite	clay	chl/epid												
25								<p><u>Feldspar-Hornblende Porphyry "Unit 10" cont</u></p> <ul style="list-style-type: none"> - greenish grey color - crystalline, feldspathic matrix - strongly altered to ser. - matrix phenos have same color due to same ser. alth - porphyritic texture. - composition - 50-55% phenos - 45% plag → sericite 5% Hbl → chl/epid. 2% qtz 2% sulphides. 								
							<ul style="list-style-type: none"> 0.8cm py unit w mos₂ 0.6cm qtz unit. 0.3cm py-cpy unit 0.1cm qtz unit cuts 0.9cm py unit 0.6cm py unit w silica salvage. 2x 0.6cm py units w 1cm sil. salvage. 1cm qtz unit. 	<ul style="list-style-type: none"> - 45-50% matrix - sericite + silica - less than 1% disc sulphides, rest as units or in altered Hbl crystals - alot of H/L py units. - limonite weak to mod along frts. - clay alth confined to plag phenos around py units. - py units have strong (often >1cm) silica envelopes - fitting mod to str. - qtz phenos - rounded, plag + Hbl - subrounded 								
20	wk to mod	very strong	weak (phenos)	wk to mod (phenos)		py - (cpy) - (Mos ₂)				1 1/2 - 2%						
							<ul style="list-style-type: none"> 1.3cm qtz unit. 1cm py-qtz unit 0.6cm qtz unit 0.4cm py unit. 0.7cm qtz-py-mos₂ unit 0.5cm qtz unit 0.7cm qtz unit 0.5cm qtz unit bad cave pebbles 0.8cm qtz unit 0.8cm qtz-mos₂ unit 0.3cm mos₂-qtz unit 	<p>22.60m sharp contact. - py-qtz unit.</p> <p><u>Feldspar-Quartz-Biotite Porphyry "Unit 5A"</u></p> <ul style="list-style-type: none"> * Lots of H/L mos₂ units - same description as on page 1 except color is a little darker green and less phenos. 								
25	strong	str to mod	v. weak	wk to mod		py-mos ₂ -cpy				3-4%						
							<p>25.10m sharp contact - qtz unit.</p> <p><u>Feldspar-Hornblende Porphyry "Unit 10"</u></p> <ul style="list-style-type: none"> Same as above - no disc sulphides. 									
	wk to mod	very strong	weak (phenos)	moderate		py - mos ₂				41%						
							<ul style="list-style-type: none"> * Numerous H/L qtz-mos₂ unit. 									
30																

NO wireline

HOLE NO.: KC-80-6

PROJECT: Hoodoo Creek

PAGE NO.: 4 of 28

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY:

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE RECY / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% RECY. SAMPLE UNIT
	silica	sericite	clay	chl/epid											
45	strong	weak to mod (phenos)	moderate	chl & epid.	v. strong	(PY)	<p><u>Porphyritic Dacite "Unit 6"</u></p> <ul style="list-style-type: none"> - dark green color - fine grained, silicious matrix. - composition - 25% phenos - 20% plag + ser. 5% epidote. - matrix - silica, mafics (bio?) & sericite - plag phenos subangular to subrounded - epidote forms blebs - subrounded. - Frtng V. strong - minor bands or wisps of light green. - very barren of structures. <p>* Minor sections of 40-45% phenos - same ratio.</p>								
50	strong	weak	moderate	chl & epid.	v. strong	(PY)	<p>Extreme cave - pebbles</p> <p>59.8 - 54.2 - strong limonite.</p>								
55	strong	mod to str	weak	very strong	intense	(PY)	<p>Cave at contact.</p> <p><u>Feldspar - Quartz - Biotite Porphyry "Unit 5"</u></p> <ul style="list-style-type: none"> - pale green color, crystalline matrix - Qtz - MoS₂ s/w moderate - fracturing very strong - porphyritic texture - composition - 25% phenos - 20% plag + ser. 1% qtz 1% bio → chl. - matrix - silica + sericite - epid blebs at top of section. - 1% total sulphides. - Numerous H/L py units. - minor limonite present. - s/w density - 0-7 per metre 								
60	str	mod to str	weak	very strong	intense	(PY)	<p>54.0m</p> <ul style="list-style-type: none"> → 0.3cm epid unit. → 0.6cm qtz unit. → weak gouge zone. → bad cave. → 0.6cm qtz unit. → strong cave. → 1cm qtz - MoS₂ unit. <p>54 - 58.8 - 60.8 - Strong clay alt'n of fspar phenos.</p>								

NQ wireline

HOLE NO.: KC-80-6

PROJECT: Hoodoo Creek

PAGE NO.: 5 OF 28

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

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COORDINATES:

N.

E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY:

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE RECY / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% RECY. SAMP. INT.
	Silica	SERICITE	CLAY	chl/epid											
60								Feldspar - Quartz (Biotite) Porph. "Units" cont							60
								* Py units have silicious salvege - up to 0.5cm.							63
65	strong	moderate to strong	mod to str (fractures)	weak	very strong	Py - MoS ₂ (epid)	<p>0.7cm qtz unit.</p> <p>200m gouge zone</p> <p>1cm qtz unit.</p> <p>0.7cm qtz-py unit</p> <p>0.5cm qtz unit</p> <p>1cm py unit.</p> <p>Contains numerous qtz units plus qtz-MoS₂ units - all pebbles.</p>	64-71.0 - Extremely bad cave - most often all that is present is pebble sized pieces. - Hard to pinpoint exact locations of structures.							66
	strong	weak to mod (plms)	mod chl/epid	mod to str	intense	Py	<p>0.3cm py unit.</p> <p>40° to c.A</p>								69
70							71.0 m	Gouge or fault contact Porphyritic Dacite "Unit 6"							71
								- same description as on page 4.							74
								* Minor epidote units. < 3mm wide.							

2-3%

NQ wireline

0.5%

N

HOLE NO.: KC-80-6

PROJECT: Hoodoo Creek

PAGE NO.: 6 of 28

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

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COORDINATES:

N.

E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY:

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.
	Silica	Sericite	Clay											
75	↑	↑	↑	↑										
80	↑	↑	↑	↑			<p>Porphyritic Dacite cont "Unit 6"</p> <p>16.0-77.4 - color lightens up.</p> <p>* Development of strong calcite along the fractures.</p>							
85	↑	↑	↑	↑			<p>mod chl - str epid. * moderate to strong pyrite</p> <p>→ 0.7cm epid unit.</p>							
90	↑	↑	↑	↑			<p>89.2-90.4 - color becomes black just before contact</p>							

0.5%

NA wireline

81

84

Not sampled

Not sampled

HOLE NO.: KC-80-6

PROJECT: Hoodoo Creek

PAGE NO.: 7 OF 28

COLLAR ELEV.:

GROUND ELEV.:

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COORDINATES:

N.

E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY:

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.		
	silic	Sericite	clay	chl/epid													
90								<p>→ 30° to C.A. 90.5 m.</p> <p>→ 0.5cm qtz unit.</p> <p>→ 0.2cm MoS₂ unit.</p> <p>→ 1cm qtz-py-cpy unit.</p> <p>→ 0.4cm py unit.</p> <p>→ 0.7cm qtz-MoS₂ unit.</p> <p>→ 0.8cm epid unit.</p>									
95	strong (matrix)	strong (phenos + matrix)	weak (along frts)	weak chl epid.	strong	Py - MoS ₂ - (cpy)	<p>→ 1cm qtz-py unit.</p> <p>→ 2cm py unit.</p> <p>→ 0.7cm qtz unit.</p> <p>→ 0.5cm qtz unit.</p> <p>→ 0.8cm py unit, 0.1cm sil salvage.</p> <p>→ 0.5cm py-MoS₂-qtz unit.</p>	<p><u>Porphyritic Dacite "Unit 6"</u> <u>sharp contact.</u></p> <p><u>Feldspar-Biotite-Quartz Porphyry "Unit 5"</u> - greenish grey color - composition - 50% phenos - 35% plag → ser + clay - 8% bio → chl. - 7% qtz 50% matrix - silica + sericite. - alot of bio phenos are only partly alt'd. - qtz phenos, rounded - bio (plag, subangular. - strong fracturing - qtz s/w mod to strong - only minor MoS₂ - minor clay alt'n of phenos around thick units and frts. - minor epidote blebs present. - numerous Hk py units - often with weak silicious salvage. - 2-3% sulphides.</p>			2-3%						
100							<p>* MoS₂ confined to qtz s/w</p> <p>* Increase in disseminated pyrite.</p>										
105					intense		<p>→ strong qtz-MoS₂ s/w</p> <p>→ 1cm qtz-py unit.</p> <p>→ 3cm qtz-MoS₂ unit</p> <p>→ 30cm gouge zone.</p> <p>→ 0.6 cm py unit.</p> <p>→ 1cm qtz-MoS₂ unit</p> <p>→ 50cm gouge zone.</p>	<p>102-109.8 - Zone of strong shearing and gouge zones.</p>				3-4%					

NQ wire line

HOLE NO.: KC-80-6

PROJECT: Hoodoo Creek

PAGE NO.: 8 of 28

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

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COORDINATES:

N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY:

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.
	silica	sericite	clay	chl/epid											
105	strong	strong	weak (phenos)	weak chl - v weak epid	moderate to strong	py - (MoS ₂)	<p>Feldspar - Biotite - Quartz Porphyry "Units" cont.</p> <p>shear zone w alot of gouge</p> <p>109.B-111.B - Rock has a slightly darker green color.</p> <p>* Qtz s/w weak below shear zone.</p>								
110							<p>0.7cm qtz unit.</p> <p>0.4cm py unit.</p> <p>1cm qtz unit</p>								
115							<p>1cm qtz chl unit.</p> <p>1cm py-qtz unit.</p> <p>0.7cm qtz-py unit.</p>								
120							<p>0.4cm qtz unit.</p> <p>0.3cm py unit.</p> <p>0.7cm gouge zone</p> <p>0.6cm qtz - MoS₂ unit.</p>								

3-4%

NO wireline

HOLE NO.: KC-80-6

PROJECT: Hoodoo Creek

PAGE NO.: 9 OF 28

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N.

E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY:

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y CORE
	silica	sericite	clay	chl/epid											
120								Feldspar - Quartz - Biotite Porph. "units" cont.							
								* s/w picked up - moderate.							
								Composition - 45-50% phenos - 35% plag + ser → clay 10% qtz 5% bio + chl. - 50% matrix - silica + sericite.							
125															
								* Very weak MoS ₂							
130															
								130.2 - 132.8							
								- Composition change - bio 10% , qtz 5% , fsp 35% - biotite are quite fresh.							
135															

4-5%

NQ wireline

HOLE NO.: KC-80-6

PROJECT: Hoodoo Creek

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COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

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COORDINATES:

N.

E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY:

SECTION	ALTERATION				FRACTURING	MINERAL GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.
	silica	sericite	clay	chl/epid										
							DESCRIPTIVE GEOLOGY							
135	↑	↑	↑	↑	↑		<u>Feldspar-Quartz-Biotite Porphyry cont.</u>							
							→ 0.8cm qtz-MoS ₂ unit	135.2 - Notable increase in MoS ₂ in s/w Density - 4-5 per metre						135.5
							→ 1cm qtz unit							138.5
							→ 0.7cm qtz-py unit							
140							→ str. s/w							
							→ 1.3cm epid-MoS ₂ unit							
							→ 0.6cm qtz unit	* H/L qtz s/w very weak - mostly > 3mm wide						
							→ 0.3cm py unit w MoS ₂							141.5
							→ 0.4cm py unit							
							→ 0.4cm qtz unit							
							→ 0.5cm py unit							
							→ 0.5cm qtz unit							
							→ 0.4cm py unit							
							→ 0.4cm qtz-py unit							144.5
145							→ 0.3cm py-chl unit							
							→ 0.5cm qtz-py unit							
							→ 0.6cm qtz unit							
							→ 0.7cm qtz-py-chl unit							147.5
							→ 1cm py-qtz unit							
							→ 0.2cm MoS ₂ unit							
							→ 0.5cm py unit							

HOLE NO.: KC-80-6

PROJECT: Hoodoo Creek

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COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

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E.

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SCALE:

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TOTAL DEPTH:

LOGGED BY:

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT.
	silica	sericite	clay	chl/epid											
150								Feldspar - Quartz (Biotite) Porphyry cont.						150.5	
							<ul style="list-style-type: none"> → str chl. → 1cm qtz-py vult. → 1.5cm gouge zone. 							153.5	
155							<ul style="list-style-type: none"> → 1cm qtz-MoS₂ vult. → 0.3cm py vult. → 0.6cm py vult. → 1.5cm gouge zone. 	<p>154.0 - Composition - 35% phenos - 30% plag → ser 5% qtz 1% bio → chl.</p> <p>- 65% matrix - silica & sericite.</p> <p>- alt'n very strong - often masks phenos.</p>					156.5		
							<ul style="list-style-type: none"> → 0.6cm py vult → 1cm qtz vult 	* Py vults getting strong silicious envels again						159.5	
160							<ul style="list-style-type: none"> → 0.5cm py vult. → 1.5cm py-qtz vult → 0.6cm qtz vult → 0.8cm qtz-py vult. 							162.5	
							<ul style="list-style-type: none"> → 1cm qtz-py vult. → 2cm qtz-py vult. → 1cm py vult. → 3cm py-qtz vult. 								

2-3%

NQ wireline

HOLE NO.: KC-80-6

PROJECT: Hoodoo Creek.

PAGE NO.: 12 OF 28

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N.

E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY:

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT.
	silica	sericite	clay	chl/epid											
165							<p>→ 0.5cm qtz-py unit</p> <p>→ 0.6cm qtz unit.</p> <p>→ 0.4cm py unit w MoS₂</p> <p>→ 0.3cm py unit</p> <p>→ 0.4cm py unit.</p>								
170							<p>→ clay on frt.</p> <p>→ 1cm qtz unit</p> <p>→ 0.8cm qtz-MoS₂ unit.</p> <p>→ 1cm py unit</p> <p>→ 1cm qtz py unit</p>	<p>169.0 - Porphyritic texture prominent again - weaker alteration</p> <p>- comp - 40-45% phenos - 30% plag → sericite. 10% qtz 5% bio → chl.</p> <p>- matrix - silica + sericite.</p>							
175							<p>→ Andesite dyke.</p> <p>→ 2cm qtz-carb unit w mud clay alt'n of fsp</p> <p>→ 1cm qtz unit w MoS₂</p> <p>→ 1.5cm py unit.</p> <p>→ 0.4cm py-qtz unit</p> <p>→ 0.5cm qtz-MoS₂ unit</p> <p>→ 0.7cm py-qtz unit</p>	<p>* Minor disseminated MoS₂ and cpy</p> <p>174.45-174.80 - Andesite dyke - fault bounded</p> <p>* Minor clay alt'n of fsp around fractures.</p>							
180															

NQ wireline

HOLE NO.: KC-80-6

PROJECT: Hoodoo Creek

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COLLAR ELEV.:

GROUND ELEV.:

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COORDINATES:

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E.

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BEARING:

TOTAL DEPTH:

LOGGED BY:

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.
	silica	sericite	clay	chl/epid											
180								Feldspar - Quartz - Biotite Porphyry cont.							
185	strong	strong	weak (phenos)	weak chl & epid	moderate to strong	Py - MoS ₂ - (cpy)	0.8cm epid unit 0.4cm qtz-py unit. 1.5cm chl unit. 0.6cm qtz unit. 0.5cm py unit 0.3cm qtz-py unit. 1cm qtz unit		3-4%						
187							0.7cm qtz-py unit. 45° to C.A. 0.6cm epid unit.	187.0 m sharp contact Dacite Porphyry "Unit 6"							
190	strong	moderate (phenos)		mod chl & epid.	moderate to strong	Py - (cpy)	1cm py-qtz unit. 2x0.7cm qtz units 1.5cm qtz unit 0.7cm qtz unit.	187-189.5 - Rock is very black and only weakly porphyritic. - Good sulphides. Description: - dk green to black, fine grained, silicious matrix - composition - 35% phenos - 30% plagioclase - 5% epid - matrix - silica bio & sericite. - plagioclase sub rounded to subangular. - epidote subrounded - forms as blebs.	3%						
190.3							Units 5	1903-191 - Section of Unit 5.							
191							0.4cm py unit								
195															

NQ wireline

Not sampled

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LOGGED BY:

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.
	silica	sericite	clay	chl/epid											
195								Porphyritic Dacite cont "Unit 6"							
200	strong	moderate (phenos)		mod chl epid	moderate to strong			* Some color variations - dark & light green.		< 1%					
								0.7cm qtz unit.							
205	strong	mod to str		weak	v. strong			204.0m 60cm fault zone.		3-4%					
								1.3cm qtz - MoS ₂ unit.							
								206.9m Grubbl							
	strong	mod		mod chl/ep	str.			Cave @ Contact. Porphyritic Dacite "Unit 6"		< 1%					
								-some discription as on page 13.							
210															

NO wire line

199

202

204

206.9

210

No + sampled

NS

HOLE NO.: KC-80-6

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BEARING:

TOTAL DEPTH:

LOGGED BY:

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.
	silica	sericite	clay	chl/epid											
210	strong	moderate (phenos)	mod chl & epid	moderate to strong	Py - (cpy)		<p>Porphyritic Dacite cont "Unit 6"</p> <p>* minor epidote units.</p>								
215	strong	moderate	mod chl & epid	moderate to strong	Py - (cpy)		<p>0.6cm qtz unit.</p>								
218.5m							<p>30° to G.A.</p> <p>sharp contact.</p> <p>Feldspar-Biotite-Quartz Porphyry "Unit 5"</p> <p>- pale green color, silicious matrix</p> <p>- moderate qtz - MoS₂ s/w developed.</p> <p>- strong porphyritic texture.</p> <p>- composition - 45% phenos - 90% plag → ser → clay</p> <p>- 8% bio → chl.</p> <p>- 7% qtz.</p> <p>- matrix - silica + sericite</p> <p>- clay alt'n of phenos is confined to fracture or unit envelopes and strong in gouge zones.</p> <p>- qtz phenos rounded, bio & plag subangular to subround.</p> <p>- minor epidote blebs present.</p> <p>- Numerous H/L py units - often have silicious salvage.</p> <p>- MoS₂ confined to qtz s/w.</p> <p>- 2-3% sulphides.</p>								
220	strong	strong	weak	strong	Py - MoS ₂ - (cpy)		<p>2x0.6cm qtz - MoS₂ unit.</p> <p>str. qtz - MoS₂ s/w</p> <p>0.8cm qtz unit.</p> <p>1cm qtz-py unit. - cuts above unit.</p> <p>0.6cm qtz - chl unit.</p> <p>str. H/L py wing</p> <p>1.2cm gouge zone.</p> <p>waggy textures.</p> <p>large shear zone</p>								
225	weak	strong	strong	intense			<p>224.8 - 226.3 - shear zone.</p>								

NQ wireline

Not sampled

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LOGGED BY:

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.
	silica	sericite	clay	chl/epid											
225	str	wk	str	wk	intense		<p>150 cm shear zone</p> <p>226.3 m</p> <p>10 cm gouge zone</p> <p>10 cm gouge zone.</p>	<p>Feldspar - Biotite - Quartz Porphyry "Unit 5" cont"</p> <p>Fault contact.</p> <p>Feldspar - Quartz - Hornblende Porphyry "Unit 10"</p> <p>- greenish gray color.</p> <p>- very weak sulphides</p> <p>- strong porphyritic texture - csg. ground phenos</p> <p>- peppery appearance.</p> <p>- composition - 80% phenos - 20% plag + ser 5% qtz 5% Nbl + chl.</p> <p>- matrix - sericite + silica.</p> <p>- rock is moderately altered.</p>	2-3				226.3	Not sampled	
230	moderate	strong	moderate	weak to mod chl.	very strong	Pyritic - Hem.	<p>15 cm gouge zone.</p>		< 0.5%				232	Not sampled	
235	strong	strong	weak	weak	v. strong	PY - MoS ₂ - epi	<p>40 cm fault.</p> <p>235.8 m</p> <p>10 cm qtz-py-MoS₂ unit</p> <p>0.9 cm qtz unit</p> <p>0.9 cm py unit.</p>	<p>Fault contact</p> <p>Feldspar - Quartz - Biotite Porphyry "Unit 5"</p> <p>- same as on page 15</p>	2%				235.8	Not sampled	
240	str	weak	mod	mod-str.	py		<p>238.2 m</p>	<p>Broken Contact</p> <p>Porphyritic Dacite "Unit 6"</p> <p>- dark green crystalline matrix</p> <p>- porphyritic texture.</p> <p>- composition - 15% phenos - 14% plag + ser. 1% biotite</p> <p>- matrix - silica + ser.</p>	40.5%				238.2	N.S.	

NO wire line

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LOGGED BY:

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.
	silica	sericite	clay	chl/epid											
240	strong	weak to mod	mod chl f epid	mod to str	Pyrite		<p><u>Porphyritic Dacite "Unit 6"</u></p> <ul style="list-style-type: none"> - plag phenos subangular - epidote blebs common - minor H/L calcite units - fring mod to str - very weak sulphides - no qtz uning 		< 0.5%					240	
245	strong (matrix)	strong	mod chl f epid	strong	Py - (Mos.) - (cpy)		<p>sharp contact</p> <p><u>Feldspar - Biotite - Quartz Porphyry "Unit 5"</u></p> <ul style="list-style-type: none"> - pale green color - weak qtz slw developed - comp - 30% phenos - 20% plag → ser + clay 7% bio → chl 3% qtz - matrix - silica + sericite - clay alth of phenos prominent around fets. as salvage. <p>249-253.9 - Bad cavs.</p> <ul style="list-style-type: none"> - Numerous H/L py vnits. 		3-4%				245	Not Sampled	
250	strong	strong	weak chl f epid	intense			<p>→ 20" to C.A. 245.5 m</p> <p>→ 0.3cm py-qtz unit.</p> <p>→ 0.7cm py unit.</p> <p>→ 0.8cm qtz unit.</p>						248.5		
255							<p>→ 15cm gouge zone</p> <p>→ 10cm gouge zone</p>						251.5		
													254.5		

NO wireline

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SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP INT.
	silica	sericite	clay	chl/epid											
255								<u>Feldspar - Biotite - Quartz Porphyry cont. unit 5</u>							
								256 - Decrease in fracturing							
								10cm gouge zone. 0.7cm qtz-py unit.							
								0.6cm py unit.							2575
								str. H/L py uning							
260								0.7cm py unit.							2605
								0.8cm qtz unit w py.							
								0.9cm py unit.							
								trace Nat. Cu on frt.							
								* Minor silica altn around py units.							
								* Weak qtz. s/w.							
265								265.5 - Very strong fracturing							
								0.5cm py unit.							
								3cm gouge zone.							2665
								0.6cm py unit.							
								1cm qtz unit.							
								20cm gouge zone.							
								Bad cave.							
								30cm gouge zone.							2695
270															

DESCRIPTIVE GEOLOGY

Feldspar - Biotite - Quartz Porphyry cont. unit 5

256 - Decrease in fracturing

10cm gouge zone.
0.7cm qtz-py unit.

0.6cm py unit.

str. H/L py uning

0.7cm py unit.

0.8cm qtz unit w py.

0.9cm py unit.

trace Nat. Cu on frt.

* Minor silica altn around py units.

* Weak qtz. s/w.

265.5 - Very strong fracturing

0.5cm py unit.

3cm gouge zone.

0.6cm py unit.

1cm qtz unit.

20cm gouge zone.

Bad cave.

30cm gouge zone.

AVE CORE
REC'Y / HOLE%
SULPHIDESDRILLING
INTERVAL% CORE
RECOVEREDCORE
SIZESAMPLE
INTERVAL% REC'Y.
SAMP INT.

3-4%

2-3%

NQ wireline

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BEARING:

TOTAL DEPTH:

LOGGED BY:

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.
	silica	sericite	clay	chl/epid											
270								<u>Feldspar - Biotite - Quartz Porph. cont.</u>							
							<p>→ 0.8cm py unit.</p> <p>→ 0.8cm qtz unit.</p> <p>→ 0.8cm chl on frt.</p> <p>→ 1cm qtz unit.</p> <p>→ str. py vining</p>								
275							<p>→ 0.4cm qtz-chl unit.</p>	<p>* Rock is not as strongly altered as before. This corresponds to very weak qtz s/w.</p> <p>* A lot of the biotites are only partly altered.</p>							
							<p>→ 0.4cm py unit.</p>	<p>* Numerous n/l py units.</p>							
280							<p>→ 0.7cm qtz unit.</p> <p>→ 0.6cm qtz unit</p> <p>→ 0.5cm qtz - py unit</p> <p>→ 0.3cm py unit.</p>								
							<p>→ 0.5cm qtz unit</p> <p>→ 1cm qtz-py unit</p>								
285															

2-4%

NO wire line

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BEARING:

TOTAL DEPTH:

LOGGED BY:

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT.
	silica	sericite	clay	chl/epid											
285							<p>Feldspar - Biotite - Quartz Porphyry cont.</p> <p>→ 0.5cm py unit.</p> <p>→ 0.6cm qtz unit.</p> <p>→ 2x0.7cm qtz units.</p> <p>→ 3cm qtz-py unit.</p> <p>→ 0.3cm py-epid unit.</p> <p>* Rock only weakly altered - bio's often still fresh.</p>								
290	strong (matrix)	strong	weak (phenos)	weak chl + v. weak epid	moderate		<p>→ 1cm qtz unit.</p> <p>→ 0.5cm py unit.</p> <p>→ 0.8cm qtz unit.</p> <p>→ 0.5cm py unit.</p> <p>→ 0.5cm qtz-py unit.</p> <p>→ 4cm qtz-py unit.</p> <p>→ 2x0.4cm py units.</p> <p>50cm gouge-shear zone</p> <p>→ vuggy qtz unit.</p> <p>→ 0.6cm py unit.</p> <p>→ 0.4cm qtz unit.</p> <p>* After fault we get clay alt'n of the phenos around major fractures.</p>								
295															
300							<p>→ 0.7cm qtz - MoS₂ unit.</p>								

NO wireline

3-4%

287.5

290.5

293.5

296.5

299.5

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BEARING:

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SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.
	silica	sericite	clay	chl/epid											
300								<u>Feldspar - Biotite - Quartz Porphyry cont</u>							
								1cm qtz-py unit.							
								0.5cm py unit.							
								0.7cm qtz unit.							302.5
								1cm qtz unit.							
305								1cm py unit.	Comp - 35-40% phenos						
								0.4cm qtz unit.	- 30% plag → ser.						
								0.8cm py unit.	- 8% biotite → chl.						
								1cm qtz unit.	- 3% qtz						
								1.3cm qtz unit.	- matrix - silica + ser.						
								1cm qtz unit.							
310								0.4cm py-qtz unit.							
								0.3cm py unit.							
								str MoS ₂ on fct.							
								0.9cm qtz unit.							
								0.7cm py-qtz unit.							
315															

2-3%

NQ wireline

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SECTION	ALTERATION				FRACTURING	MINERAL GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT.	F.M.		
	silica	sericite	clay	chl/epid													
330							<p>2x 1cm qtz units. → 330.41 - reduced to BQ</p> <p>Feldspar - Biotite - Quartz Porphyry cont.</p> <p>330.41 - Reduced to B.Q.</p> <p>→ 0.4cm py unit</p> <p>→ 0.8cm qtz unit</p> <p>→ 0.7cm py unit</p> <p>→ 0.4cm py unit</p> <p>→ 3cm qtz-py unit.</p> <p>Comp - 40% phenos 26% plag → ser. 10% biotite → chl. 1% qtz - 60% matrix - silica + sericite.</p>										
335							<p>* Numerous H/L py units.</p> <p>→ 1cm qtz-MoS₂ unit.</p> <p>→ 0.7cm qtz unit.</p> <p>→ 0.3cm py unit.</p> <p>→ 1cm qtz unit.</p>										
340							<p>→ 0.8cm qtz-py unit.</p> <p>→ 1cm qtz unit.</p> <p>→ 1.8cm py unit.</p>										
345							<p>→ 0.7cm qtz unit.</p>										

3-4%

BQ wireline

332.5

335.5

338.5

341.5

344.5

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SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT.
	silica	sericite	clay	chl/epid.											
345								Feldspar - Biotite - Quartz Porphyry cont.							
							<ul style="list-style-type: none"> → 0.3cm epid unit. → 1cm qtz unit. → 1.5cm qtz-py unit → 0.7cm qtz unit. 								
350	strong (matrix)	strong	weak (phenas)	weak chlorite	moderate	py - Mo ₅ -cpy	<ul style="list-style-type: none"> → 0.9cm qtz unit. → 1.0cm qtz unit. → 0.9cm py unit. 			3-4%					
							<ul style="list-style-type: none"> → 0.4cm py unit 								
							354.3 m broken contact.								
355	weak	mod to strong		mod chl/epid	very strong	py/ite	<ul style="list-style-type: none"> → 0.4cm py unit → 0.7cm py unit. → 0.3cm py unit → 1cm qtz unit. → 0.6cm py unit. 	<p>Hornblende diorite "Unit 2"</p> <ul style="list-style-type: none"> - coarse grained, inequigranular. - weak foliation developed - very strong fracturing - alot of py units. - comp - 80% plag → sericite. 45% hbl. → chl. 5% qtz - very weak alt'n. - contains minor silicious zones - mod epid blebs and units 		2-5%					
360															

BQ wireline

Not sampled

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SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGE	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	
	silica	sericite	clay	chl/epid												
375								<p><u>Hornblende Diorite "Unit 2"</u></p> <p>10° to C.A. 375.8 m</p> <p>sharp contact.</p> <p><u>Feldspar - Biotite - Quartz Porphyry "Unit 5"</u></p> <p>2x 0.8cm qtz vnit.</p> <p>- green-grey color.</p> <p>- comp - 30% phenos - 25% plag → ser.</p> <p>3% bio → chl.</p> <p>2% qtz</p> <p>- matrix - silica + sericite.</p> <p>- mod fracturing</p> <p>- Numerous HL py vnits.</p>								
380								<p>0.5cm qtz vnit.</p> <p>20° to C.A. 380.6 m</p> <p><u>Hornblende Diorite "Unit 2"</u></p> <p>0.4cm qtz vnit.</p> <p>- same as before.</p> <p><u>Feldspar - Biotite - Quartz Porphyry "Unit 5"</u></p> <p>0.8cm qtz vnit.</p> <p>- same as above.</p> <p>0.4cm py vnit.</p>								
385								<p>20° to C.A. 385.1 m</p> <p>1.8cm qtz vnit.</p> <p><u>Hornblende Diorite "Unit 2"</u></p> <p>0.4cm py vnit.</p> <p>- same description as before.</p> <p>0.6cm py vnit.</p>								
390																

BQ wire line

Not sampled

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SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.
	silica	sericite	clay	chlorid											
390								Feldspar - Biotite - Quartz Porphyry "Units"						390	
								-some description as before.							
								1cm qtz vnt.							
								0.8cm qtz vnt.							
								0.6cm py vnt.							
								1cm gouge zone.							
395								0.9cm py vnt.							
								0.7cm qtz vnt.							
								1cm qtz vnt.							
								0.6cm qtz vnt.							
400								1cm gouge zone.							
								4cm gouge zone.							
								Extreme Cave.							
405															

* Rock is very badly broken up.

2-3%

BQ wireline

HOLE NO.: KC-80-6

PROJECT: Hoodoo Creek

PAGE NO.: 28 OF 28

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY:

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.
	Silica	sericite	clay	chl/cp/d											
405	strong	strong	weak chl.	str to v. str						2-3%			BQ wire line.	405	
410							0.9cm qtz unit.							408	
							2cm gouge zone.								
								410.88m End of Hole							

HOLE NO.: KC-80-5

PROJECT: Hoodoo Creek

PAGE NO.: 1 OF 18

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: Aug 13, 1980

REF. TO CLAIM CORNER: BZT-6

COORDINATES: N. E.

DATE FINISHED: Aug 20, 1980

SCALE: 1:100

INCLINATION: -61°

BEARING: 351°

TOTAL DEPTH: 266.7m

LOGGED BY: G.L. Holland

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS: Fracturing: - v. strong > 15 per metre strong > 10 < 15 moderate > 6 < 10 weak > 3 < 6 v. weak < 3	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT.	
	silica	sericite	limonite	chlorite												
0							0 - 0.31 stick-up.									
5							0 - 5.80 Overburden.									
10	strong	mod to strong	strong	weak to mod (after bio)	v. strong	lim - py - MoS ₂ - cpy	<p>5.80m</p> <p>Quartz-Biotite-Feldspar Porphyry "Unit 5"</p> <p>→ 0.4cm py → 1/4 anhydrite unit. → 0.8cm qtz-py unit.</p> <p>→ str. MoS₂ cpy on fnts. → 0.9cm qtz unit. → 10cm gouge zone</p> <p>→ 10cm gouge zone → 1cm gouge zone</p> <p>→ 1cm qtz unit.</p> <p>→ 15cm gouge zone. → 6cm gouge zone. → 1cm qtz unit. → 40cm gouge zone</p> <p>- pale green, fine grained matrix - porphyritic texture. - composition - 15% phenos - 7% qtz 5% biotite → chlorite. 3% fspar → sericite - 85% matrix - silica + sericite. - very strong limonite - confined to fractures. - qtz s/w weakly developed. - numerous 1/4 Py units. - 3 to 6% total sulphides - mainly py w minor MoS₂ and cpy. - Rock very strongly fractured to a depth of 25.3m. - following hillside - cpy disseminated plus assoc. with MoS₂ in 1/4 fnts. - bio. completely altered to chlorite.</p> <p>* MoS₂ found throughout in small quantities</p>		3-5%	6.10	87					
											8.23	75			85	
											9.19	89		9		
											10.36	80				
											10.97	52			70	
											12.19	77		12		
											12.80	26				
											13.41	48			62	
											14.17	88				
												76				

part of 2
9377

HOLE NO.: KC-80-5

PROJECT: Hoodoo Creek

PAGE NO.: 2 OF 18

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N.

E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY:

SECTION	ALTERATION				FRACTURING	MINERAL GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT.
	silica	sericite	limonite	chlorite										
15	strong	moderate to strong	strong	strong	very strong	<p>20 cm gouge zone. 0.4cm py unit.</p> <p>25cm gouge zone.</p> <p>0.6 cm qtz unit.</p> <p>ferroite.</p> <p>0.7cm py unit.</p> <p>0.8cm py unit.</p> <p>str. shear or gouge zone is alot of qtz slw and 0.15% MoS₂ - trace of limonite.</p> <p>weak breccia</p> <p>1cm qtz unit</p> <p>28.3 - End of limonite.</p> <p>0.7cm py unit</p> <p>0.6cm qtz-py unit.</p>		3-5%	16.15	76		15		
20	strong	moderate to strong	strong	strong	very strong	<p>lim - py - MoS₂ - cpy</p>	<p>* py units have strong silicious enveloped - upto 1cm</p>		16.61	72		18	78	
25	strong	moderate to strong	strong	strong	very strong	<p>lim - py - MoS₂ - cpy</p>			17.87	87		19		
30	strong	moderate to strong	strong	strong	very strong	<p>lim - py - MoS₂ - cpy</p>			18.29	67		20	66	
35	strong	moderate to strong	strong	strong	very strong	<p>lim - py - MoS₂ - cpy</p>			20.12	56		21		
40	strong	moderate to strong	strong	strong	very strong	<p>lim - py - MoS₂ - cpy</p>			20.88	74		22		
45	strong	moderate to strong	strong	strong	very strong	<p>lim - py - MoS₂ - cpy</p>			21.79	88		23		
50	strong	moderate to strong	strong	strong	very strong	<p>lim - py - MoS₂ - cpy</p>			22.40	87		24	84	
55	strong	moderate to strong	strong	strong	very strong	<p>lim - py - MoS₂ - cpy</p>			22.50	74		25		
60	strong	moderate to strong	strong	strong	very strong	<p>lim - py - MoS₂ - cpy</p>			23.77	50		26		
65	strong	moderate to strong	strong	strong	very strong	<p>lim - py - MoS₂ - cpy</p>			24.38	60		27		
70	strong	moderate to strong	strong	strong	very strong	<p>lim - py - MoS₂ - cpy</p>			24.99	41		28	52	
75	strong	moderate to strong	strong	strong	very strong	<p>lim - py - MoS₂ - cpy</p>			26.52	63		29		
80	strong	moderate to strong	strong	strong	very strong	<p>lim - py - MoS₂ - cpy</p>			28.19	90		30	95	
85	strong	moderate to strong	strong	strong	very strong	<p>lim - py - MoS₂ - cpy</p>				100				

HOLE NO.: KC-80-5

COLLAR ELEV.:

COORDINATES:

INCLINATION:

GROUND ELEV.:

N. E.

BEARING:

PROJECT: Hoodoo Creek,

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

PAGE NO.: 3 OF 18

REF. TO CLAIM CORNER:

SCALE:

LOGGED BY:

SECTION	ALTERATION				MINERAL GEOLOGY	COMMENTS:	AVE CORE RECY / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.
	silica	sericite	chlorite	FRACTURING									
30	↑ strong	↑ mod to str.	↑ moderate	↑ mod to str.	Py - Cpy - MoS ₂	<p>Quartz-Biotite Feldspar Porphyry cont "Unit 5"</p> <p>→ 0.3cm py unit</p> <p>→ 0.5cm py-gtz unit</p> <p>→ 2x 0.3cm py unit Breccia</p> <p>→ 0.3cm gtz unit.</p> <p>→ 0.7cm gtz unit.</p> <p>→ 0.8cm py unit.</p> <p>*Increase in py units towards breccia.</p> <p>31.6-32.2 - Breccia - Unit 4</p> <p>- Unit 4 occurs post Unit 5 as pyrite units are truncated or originated in Unit 4.</p> <p>*decrease in MoS₂ and slight increase in cpy.</p>			100		30		
35	↑ mod-str	↑ moderate	↑ strong	↑ mod	Py - MoS ₂ - cpy	<p>34.90 m sharp contact</p> <p>Breccia - Unit 4A"</p> <p>- color greenish-grey.</p> <p>- strong pyrite around the frags - 10-15%</p> <p>- frags are subrounded to angular.</p> <p>- comp. - frags - 20-80% of rock - comprised of Unit 5 and gtz</p> <p>- matrix comprised of py plus "unit 5"</p> <p>- frags range in size from 4mm to 5cm</p> <p>50% ± 2cms.</p> <p>- MoS₂ + cpy found interstitial to the frags.</p> <p>- strong chl in matrix.</p>			99		33		
40	↑ v. strong	↑ v weak (absent)	↑ wk chl epid	↑ weak	Py	<p>39.2 m</p> <p>Andesite Porphyry ?? "Unit 12"</p> <p>- extrusive rock</p> <p>- very silicious aphanitic groundmass</p> <p>- color green grey to light purple - often shows a color banding</p> <p>- weak chlorite and epidote.</p> <p>- fracturing weak.</p> <p>- comp - 30% phenos. - 15% fsp → ser.</p> <p>12% gtz</p> <p>5% mafic-chl.</p> <p>- 70% matrix - silica</p> <p>- minor chloritic fragments present.</p>			102		38		
45	↑ mod-str	↑ mod	↑ mod	↑ mod	Py - MoS ₂ - cpy	<p>42.3 m</p> <p>Breccia - Unit 4A"</p> <p>- same as above</p> <p>- 90% of frags are from "unit 5"</p> <p>* may be a crackle zone with fragment rotation.</p>			98		39.1		
									98		42.3		
									95		45		

HOLE NO.: KC-80-5

PROJECT: Hoodoo Creek

PAGE NO.: 4 of 18

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REP. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY:

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.
	silica	sericite	clay	chl/epid											
45	mod to str.	mod.		mod to strong	moderate	py - MoS ₂ - cpy.	Breccia "Unit 4A"	* decrease in interstitial pyrite. Increase in chlorite.		9-10 %	95			45	
50	mod- str.	mod.		mod chl.	mod- str.	py - MoS ₂ - cpy.	Quartz unit at contact.			3-5 %	72			48	
55	strong	v. weak (phenos)	weak (phenos)	weak epidote	wk to mod.	py - MoS ₂ - cpy.	Granodiorite "Unit 12"	- grey to bluish black color - granular texture. - fracturing strong - basaltic composition. - 60% mafics 40% felsics - mainly silica. - alot of py vnls and up to 5% disseminated - wk developed qtz slw - strong presence of green mineral - probably epid or poss ol.		7-8 %	134		51.5		
							Breccia - "Unit 4A"	- frags - Unit 5 + purple vules + qtz + qtz porph. Same description as before.			85			56	
							Dacite Porphyry Dyke "Unit 6"	- greenish grey color till depth of 59.8m at which time a dark bluish grey color predominates - a gradual change. - fracting weak to moderate. - distinct porphyritic texture in an aphanitic, silicicous groundmass. - phenos increase away from contact - upper minor breccia xenoliths present near the upper contact - patches of epidote are present - 1-2% sulphides - minor diss. ba and cpy. - composition - (56.0 - 61.2) - 15% phenos - 19% fsp subordinate - 1% qtz - 85% matrix - silica - phenos - sub angular and < 3mm in size.		1-2 %	123		59		
											95			95	

HOLE NO.: KC-80-5

PROJECT: Hoodoo Creek

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COLLAR ELEV.:

GROUND ELEV.:

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E.

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BEARING:

TOTAL DEPTH:

LOGGED BY:

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.
	silica	sericite	clay	chl/epid											
60	strong	moderate	weak	moderate	wk to mod	py - hem	<p>Dacite Porphyry cont. "Unit 2"</p> <p>0.7cm carb. unit.</p> <p>604 - End of most of sulphides.</p> <p>604-64.6m - Composition - 40-45% phenos - 35-40% plag → sericite → clay - kaolinite - 5% mafics → epidote + chlorite - 1-2% qtz</p> <p>- phenos - subangular to subrounded. - < 1% sulphides - minor hematite.</p>		< 1%	60.05	96		62		95
65	strong	moderate	weak	moderate	wk to mod	py - hem	<p>64.6 m.</p> <p>Breccia "Unit 4A"</p> <p>- Dark grey color - strongly fractured. - sulphides interstitial to the fragments - composition - 70% frags - 35-40% Hbl diorite - 25-30% dacite - trace qtz porph. frag 5% gneiss < 1% purple volcanics.</p> <p>- 30% matrix - silica, sericite, chlorite - frags. subrounded to angular - 70-80% > 2cm in diameter - chl. comes from Hbl in the diorite frags</p>		3-4%	62.79	99	64.6	101		98
70	moderate to strong	weak to moderate	weak to mod chl.	strong	Strong	py - MoS ₂ - cpv - Hem - (sph)	<p>qtz-carb unit. → 20° to CA.</p> <p>masses of pyrite.</p> <p>30cm diorite fragment</p> <p>matrix a very dk green.</p> <p>0.7cm py unit.</p>			65.99	102	NO wireline	67		101
75							<p>* Numerous H/L py vnits.</p> <p>Minor chodochrosite w MoS₂</p>			69.04	101		70		96
										72.09	93		73		93
										75.13					

MOLE NO.: KC-80-5

PROJECT: Hoodoo Creek

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COLLAR ELEV.:

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BEARING:

TOTAL DEPTH:

LOGGED BY:

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.
	silica	sericite	clay	chl/epid											
105	mod to str	mod to str	mod to str	mod to str	mod-str		<p>Breccia cont "Unit 4A"</p> <p>1cm py-cpy unit.</p> <p>0.8cm py-gtz unit.</p> <p>30cm qtz porph. frag.</p> <p>30cm gouge zone.</p> <p>4cm gouge zone.</p>		4-5%	107.29	101		106		
110	str	str	str	str	V. strong		<p>110.6 m</p> <p>1cm qtz-ep unit.</p> <p>No distinct contacts</p>		<1%	108.26	96		109		
115	strong	mod-str	mod-str	mod-str	strong to intense		<p>110.6-121.3 - Contact of Breccia (Unit 4A) and Porphyritic Dacite Dyke (Unit 6)</p> <p>1cm gouge zone.</p> <p>-intensely fractured</p> <p>-rock changes over very short (2m) sections in alot of cases.</p> <p>-rock descriptions found above and below the contact zone.</p> <p>110.6 - 111.8 - Dacite</p> <p>110.6 - 113.8 - Breccia</p> <p>113.8 - 116.0 - Dacite</p> <p>116.0 - 116.7 - Breccia</p> <p>116.7 - 118.8 - Dacite</p> <p>118.8 - 121.3 - Breccia</p>		4-5%	110.19	103		110		
120	strong	mod-str	mod-str	mod-str	strong to intense		<p>1cm gouge zone.</p>		<1%	113.23	58		112		
	strong	mod-str	mod-str	mod-str	strong to intense				4-5%	113.40	56		115		
	strong	mod-str	mod-str	mod-str	strong to intense				<1%	113.84	56		118		
	strong	mod-str	mod-str	mod-str	strong to intense				4-5%	114.60	57		115		
	strong	mod-str	mod-str	mod-str	strong to intense				<1%	115.67	57		118		
	strong	mod-str	mod-str	mod-str	strong to intense				4-5%	116.0	56		118		
	strong	mod-str	mod-str	mod-str	strong to intense				<1%	117.85	56		118		
	strong	mod-str	mod-str	mod-str	strong to intense				<1%	118.26	102		118		
	strong	mod-str	mod-str	mod-str	strong to intense				4-5%	118.87	57		118		
	strong	mod-str	mod-str	mod-str	strong to intense				4-5%	119.63	56		118		

NO wire line

HOLE NO.: KC-80-5

PROJECT: Hoodoo Creek,

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COLLAR ELEV.:

GROUND ELEV.:

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N.

E.

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BEARING:

TOTAL DEPTH:

LOGGED BY:

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE RECY / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% RECY. SAMP. INT.
	silica	sericite	clay	chl/epid.											
135	↑	↑	↑	↑	↑			Phyritic Dacite. Dike "Unit 6" cont.			100			136	100
140	↑	↑	↑	↑	↑			* Periodic H/L fcts w chl or epid.			100			139.30	
145	↑	↑	↑	↑	↑			Very bleak and structureless rock.			00			142.34	
150	↑	↑	↑	↑	↑						01			145.40	
											92			148.13	
											04			149.35	
											100				

Believe we are running parallel to Unit 4A - Unit 6 contact.

< 0.5%

NQ wireline

Not sampled.

NS

HOLE NO.: KC-80-5

PROJECT: Hoodoo Creek

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E.

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BEARING:

TOTAL DEPTH:

LOGGED BY:

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE RECY / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% RECY. SAMP INT.	E M
	silica	sericite	clay	chl / epid												
165	str	mod (plm)	wk (phos)	mod epid	wk to mod	py-pd-epid	<p>~ biotite rich fractures.</p> <p><u>Porphyritic Dacite "Unit 6" cont</u></p> <p>The porphyritic Dacite and the Granodiorite are chemical equivalents - grain size is the main difference.</p> <p><u>sharp contact.</u></p> <p><u>Granodiorite "Unit 6"</u></p> <ul style="list-style-type: none"> - coarse grained. - inequigranular - periodic weak gneissic texture but is mostly unfoliated - composition - 40-45% bio → fresh → chlorite. - 48% plag → sericite. - 41% qtz - < 2% epidote - as patches or masses. - 50% of bio appears fresh and is very fine grained - some < 5% of qtz has a porphyritic texture. - 2% total sulphides - py and sphalerite - pyrite weakly disseminated, mostly contained in fts. - some of py has framboidal texture - sphalerite is weak found as both. diss + veins of fts. < 1% sph. - minor Hemetite. <p>172.2 - 173.6 - very dark green color - finer grained - appears to contain minor porph frags which often coincide to strong framboidal py - sph unts.</p> <p>* Contains periodic small sections of very bio rich</p> <p>* minor epidote unts.</p> <p>* Numerous H/L bio on fts.</p> <p>* Schistosity increases towards bio rich sections (bk color) around H/L bio fts.</p> <p>178.9 - 179.9 - fine grained variety</p> <p><u>strong bio @ contact.</u></p> <p><u>Silicious Zone or Quartz Vien</u></p>	< 0.5%	166.12	97		N.S				
170	weak to moderate	strong	mod chl + weak epid	mod epid	moderate	py - sph - Hem - (cpy)	<p>10' to C.A.</p> <p>167.5 m</p> <p>1cm qtz-epid-sph unit.</p> <p>Quartz-bio Porphyry fragment.</p> <p>10' to C.A.</p> <p>strong py unts. w str sphalerite</p>	2%	168.71	102	167.5	102				
175	weak to moderate	strong	mod chl + weak epid	mod epid	moderate	py - sph - Hem - (cpy)	<p>171.75</p>									
176	weak to moderate	strong	mod chl + weak epid	mod epid	moderate	py - sph - Hem - (cpy)	<p>173</p>									
177	weak to moderate	strong	mod chl + weak epid	mod epid	moderate	py - sph - Hem - (cpy)	<p>174.19</p>									
178	weak to moderate	strong	mod chl + weak epid	mod epid	moderate	py - sph - Hem - (cpy)	<p>175</p>									
179	weak to moderate	strong	mod chl + weak epid	mod epid	moderate	py - sph - Hem - (cpy)	<p>176</p>									
180	str	wk	wk	wk	py	<p>177.24</p>										
	str	wk	wk	wk	py	<p>178</p>										
	str	wk	wk	wk	py	<p>179</p>										
	str	wk	wk	wk	py	<p>179.4 m</p>										
	str	wk	wk	wk	py	<p>179.4 - 181.3</p>										

HOLE NO.: KC-80-5

PROJECT: Hoodoo Creek

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COLLAR ELEV.:

GROUND ELEV.:

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N. E.

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SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY:

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT.
	silica	sericite	calc											
180	str	mod	str	mod	mod	mod	<p>Silicious Zone or Quartz Vien cont.</p> <p>- pale greenish white color, mostly silica with 10-15% green sericite, a lot of contamination from Granodiorite, minor pyrite <1%, minor disse bio, epid. blebs present.</p> <p>sharp contact.</p> <p>Granodiorite "Unit 6" - same as before</p> <p>strong substantially parallels contacts</p> <p>contact shows fault movement - displacement 4cm.</p> <p>Silicious zone</p> <p>Porphyritic Dacite "Unit 6"</p> <p>sharp contact.</p> <p>Granodiorite "Unit 6"</p>	<1%	180.29	104				
	str	mod	str	mod	mod	mod	<p>→ 35° to C.A.</p> <p>181.3m</p>	<1%			96			100
	str	mod	str	mod	mod	mod	<p>→ 35° to C.A.</p> <p>181.9m</p>	<1%			103		1824	
	str	mod	str	mod	mod	mod	<p>→ 90° to C.A.</p> <p>182.6m</p>	<1%			103			
	str	mod	str	mod	mod	mod	<p>→ 45° to C.A.</p> <p>183.3m</p>	<1%			98			98
	str	mod	str	mod	mod	mod	<p>→ 45° to C.A.</p> <p>184.5m</p>	<1%			98			98
185	str	mod	str	mod	mod	mod	<p>→ 15° to C.A.</p> <p>186.3m</p>	<1%	186.0		101		1852	
	str	mod	str	mod	mod	mod	<p>→ 15° to C.A.</p> <p>186.3m</p>	1 1/2%			101			61
	str	mod	str	mod	mod	mod	<p>→ 1cm qtz unit.</p> <p>→ 15° to C.A.</p> <p>188.1m</p> <p>strong sph + bio contact.</p>	1 1/2%			101			61
	str	mod	str	mod	mod	mod	<p>→ 1.3cm qtz unit.</p> <p>→ 45° to C.A.</p> <p>189.6m</p>	3-4%	188.06		100			100
190	str	mod	str	mod	mod	mod	<p>→ 1.3cm qtz unit.</p> <p>→ 45° to C.A.</p> <p>189.6m</p>	3-4%			100			100
	str	mod	str	mod	mod	mod	<p>→ 1cm qtz unit.</p> <p>→ 45° to C.A.</p> <p>190.8m</p>	1%			100			100
	str	mod	str	mod	mod	mod	<p>→ 1cm qtz unit.</p> <p>→ 45° to C.A.</p> <p>190.8m</p>	1%			100			100
	str	mod	str	mod	mod	mod	<p>→ 0.4cm py unit.</p> <p>→ 45° to C.A.</p> <p>193.3-193.7 - Silicious zone.</p> <p>silicious zone.</p>	3%	191.11		118		191	100
	str	mod	str	mod	mod	mod	<p>→ 0.4cm py unit.</p> <p>→ 45° to C.A.</p> <p>193.3-193.7 - Silicious zone.</p> <p>silicious zone.</p>	3%	192.0		91		194	100
195	str	mod	str	mod	mod	mod	<p>→ 0.4cm py unit.</p> <p>→ 45° to C.A.</p> <p>193.3-193.7 - Silicious zone.</p> <p>silicious zone.</p> <p>- composition - 40% frags - 15% granodiorite 15% dacite 10% QBF. Porph "Units" <2% Qtz Porph. - matrix - silica, chl ± sericite. - frags subangular to angular. - weak mgs₂ on frts.</p>	3%	194.16		102		194	102

NQ wireline

HOLE NO.: KC-80-5

PROJECT: Hoodoo Creek

PAGE NO.: 14 OF 18

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N.

E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY:

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.
	silica	sericite	clay											
195	strong	weak			py-sph-(ms)		<p>Breccia "Unit 4"</p> <p>* "Unit 5" frags contain diss. py and MoS₂ - all other frags are barren.</p> <p>→ str. py near contact 60° to c.A. 197.4 m</p>	3-4%		197.21	102		197	102
200	moderate	strong		weak to moderate	py-Hem-sph		<p>Grandiorite "Unit 6"</p> <p>198.8-199.1 - Breccia</p> <ul style="list-style-type: none"> - coarse grained - inequigranular - contains alot of py and epid units. - very dark color - composition - 60% plag → sericite 25% biotite → weak chl. 15% qtz - sometimes has weak schistosity developed <p>→ Unit 5 frag → str. sph & py. Bx.</p> <p>→ Numerous H/L py units.</p> <p>→ 0.4cm qtz-py unit.</p> <p>→ 0.6cm qtz-py unit.</p> <p>→ 1cm qtz unit. 45° to c.A.</p>	1 1/2%		200.25	101		200	101
205	str	wk		mod	py-sph (ms)		<p>sharp contact</p> <p>Breccia - "Unit 4"</p> <p>203.0 m</p> <p>204.0 m</p> <p>same as above</p> <p>Porphyritic Dacite "Unit 6"</p> <ul style="list-style-type: none"> - aphanitic groundmass - very weak porphyritic texture - phenos - 45% - all plag → sericite - numerous H/L py units. - with silica alt'n in envelopes. - 5% diss pyrite - minor epidote blebs <p>→ 0.5cm py unit.</p> <p>→ Breccia</p>	3%		203.30	102		203	102
210	moderate	strong		weak ep r chl	py-(cpy)		<p>→ Breccia</p> <p>→ 0.6cm qtz-py unit.</p>	5%		206.85	100		206	100
										209.4	97		209	97

NQ wireline

HOLE NO.: KC-80-5

PROJECT: Hoodoo Creek

PAGE NO.: 15 of 18

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY:

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.
	silica	sericite	clay	chl/epid											
210								<p>→ 0.6cm epid unit.</p> <p><u>Porphyritic Dacite "Unit 6"</u></p> <p>* A lot of framboidal pyrite</p>		5%		99		212	99
								<p>→ 0.2cm py unit.</p> <p>→ str py units.</p>				101			101
215								<p>→ 0.4cm qtz unit.</p>		3%		101		215	97
								<p>→ 0.3cm py unit.</p> <p>→ str. epy. on fnts.</p>				96		218	99
								<p>→ 0.3cm epy unit.</p> <p>→ str py.</p>		2%		99		221	102
220								<p>→ 0.3cm epy-py unit.</p> <p>→ 0.5cm py unit.</p> <p>→ 15° to C.A.</p> <p>→ str py (cpy) @ contact.</p> <p>222.0 m <u>Gradational contact.</u></p> <p><u>Granodiorite "Unit 6"</u></p> <p>- color lightens up from above and grain size increases</p>				102		224	99
								<p>→ 0.4cm qtz-py unit</p>		1%		99		224	99

NO wireline

HOLE NO.: KC-80-5

PROJECT: Hoodoo Creek

PAGE NO.: 16 of 18

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N.

E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY:

SECTION	ALTERATION				MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT.
	silica	sericite	clay	chl/epid										
225														
	moderate	strong	moderate	weak chl + mod epid			Granodiorite "Unit 6"							
							→ 0.4cm py unit → 0.5cm epid unit. → 40° to C.A. silicious zone. → 0.4cm py unit.	226.1 - 226.6 - silicious zone.						
	moderate	strong	moderate	weak chl + mod epid										
							→ 0.4cm py unit & silicious envelopes.							
230	strong	weak	moderate	weak chl + mod epid										
							→ 0.8cm qtz unit. → 15° to C.A.	231.3m	sharp contact Breccia "Unit 4"					
							→ 1cm qtz-sph-py unit. → 15° to C.A.	232.7m	- 90% of frags < 1cm - same characteristics as before.					
	strong	weak	moderate	weak chl + mod epid										
							→ 75° to C.A. silicious zone.	233.0 - 233.2 - silicious zone. 233.8 - 234.6 - silicious zone.	sharp contact Granodiorite "Unit 6"					
235	strong	weak	moderate	weak chl + mod epid										
							→ 49° to C.A.	235.2m	sharp contact Breccia "Unit 4"					
							→ 0.3cm py-cpy unit.		- dk grey matrix; 50% frags > 2cm; py interstitial to frags. - composition - 45% frags - 25% Granodiorite, 42% qtz porph 20% dacite - 55% matrix - silica, chl & sericite.					
	mod	strong	moderate	weak chl + mod epid										
							→ 80° to C.A.	237.5m	sharp contact Granodiorite "Unit 6"					
									- dark green matrix - numerous 1/2 py units - mod to str. schistosity developed - comp - 30% bio → chl 85% plag → ser. 15% qtz					
240														

NO wire line

MOLE NO.: KC-80-5

PROJECT: Hoodoo Creek,

PAGE NO.: 17 of 18

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N.

E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY:

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE RECY / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% RECY. SAMP. INT.
	silica	sericite	clay	chl / epid											
240	moderate	strong	moderate	moderate	py-sph-cpy		Granodiorite "Unit 6" cont. 240.9 - 241.4 - Medium grained granodiorite.		2%		102				
							0.3cm qtz unit				242.5				
							10° to C.A.				49				
245	strong	weak	strong	strong	py-cpy		243.8 m Breccia "Unit 4A" - 70% of frags > 2cm - lgt grey matrix - comp - 50% frags granodiorite - 20% (unit 6) - 15% dacite - 15% "unit 5" - 50% matrix - silica, chlorite & sericite - minor diss MoS ₂ in "unit 5" frags		5%		10A				
							20° to C.A.				246.0				
							247.0 m Granodiorite "Unit 6" - grain size varies from cse to med.				97				
							broken zone				248.9				
							249.1 m Breccia "Unit 4" - 30% frags > 2cm - lgt grey colored matrix - no unit 6 fragments - comp - 45% frags - 20% dacite - 20% diorite "unit 2" - 1% Qtz - 5% Qtz Porph "unit 5" - 55% matrix - silica, chl & ser. - very weak epid units near upper contact.				249.2				
250	strong	weak	moderate	moderate	py-cpy		249.1 m Breccia "Unit 4" - 30% frags > 2cm - lgt grey colored matrix - no unit 6 fragments - comp - 45% frags - 20% dacite - 20% diorite "unit 2" - 1% Qtz - 5% Qtz Porph "unit 5" - 55% matrix - silica, chl & ser. - very weak epid units near upper contact.		5%		48				
							20° to C.A.				252.0				
							253.0 m Granodiorite "Unit 6"				46				
							253.8 m Dacite "Unit 6"				2%				
							py-cpy units.								
							sharp contact								

NO wire line

HOLE NO.: KC-80-5

PROJECT: Hoodoo Creek

PAGE NO.: 18 OF 18

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N.

E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY:

SECTION	ALTERATION				MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y	SAMP. INT.
	silica	sericite	clay	chl/epid.											
255	strong	weak	mod chl	chl/epid.	py-cpy		<p><u>Breccia "Unit 4"</u></p> <p>- dk grey color matrix</p> <p>- 30% frags - 10% granodiorite 15% dacite 5% diorite 21% qtz porph.</p> <p>matrix - silica, chl & sericite.</p>	5%	255.12	100		255			
260	moderate	strong	weak chl	weak chl	py-sph-cpy	<p>→ 45° to C.A. 258.5 m</p> <p>258.8-259.1 <u>Breccia</u></p> <p>- aphanitic texture w bio</p> <p>- porphyritic texture w bio phenos</p> <p>- bluish-grey color</p> <p>- has weak dark-light banded appearance</p> <p>- numerous H/L py-cpy & sph vnls.</p> <p>- often contains a very fine breccia texture.</p> <p>* Quite different from the porphyritic Dacite earlier</p>	1 1/2 - 5%	258.17	100		258.5				
265	strong	weak	mod chl - wk epid.	mod chl	py-cpy (sph)	<p>→ 26° to C.A. 262.1 M</p> <p>Sph gets stronger towards the contact.</p> <p><u>Breccia "Unit 4"</u></p> <p>- same composition as above.</p> <p>- contains sph in upper portion.</p> <p>264.8 - 1st gneissic "Unit 1" fragment.</p>	5%	261.21	101		262.1				
						266.7 End of Hole			261.26	96		265			
												266.7			

NQ wireline

HOLE NO.: KC-80-4

COLLAR ELEV.:

COORDINATES:

INCLINATION: -73°

GROUND ELEV.:

N. E.

BEARING: 252°

PROJECT: Hoodoo

DATE STARTED: July 28, 1980

DATE FINISHED: Aug 8, 1980

TOTAL DEPTH: 293.22 m

PAGE NO.: 1 OF 20

REF. TO CLAIM CORNER: BZT-7

SCALE: 1:100

LOGGED BY: G.L. Holland

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS: fracturing - v. strong > 15 per metre strong > 10 < 15 /m moderate > 6 < 10 /m weak > 3 < 5 /m v. weak < 3 /m	AVE CORE REC'Y / HOLE 91.3%	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.
	silica	sericite	clay	chl/epid											
0															
							0 - 0.31 stick-up.								
							0.31 - 4.90 - Overburden								
5							4.90 m 0.5cm qtz unit 4.90 - 43.20 0.1cm lim fts	Quartz - Feldspar Porphyry "Unit B"		3%	4.88				
							→ str. vuggy text. → 2cm lim fts.	- lgt. grey to white color - rusty weathering - strong limonitic and hematitic staining that decreases with depth, mostly confined to fts but present in phenos. - At surface a mod devel vuggy texture is present and the fsp phenos are often pitted. - Porphyritic texture. - composition - 20% phenos - 60-65% qtz - minor calcined musc. - 4-7% sulphides. - 80% matrix - sericite - silica			6.71	102			95
							→ 4cm gorge-lim zone → 0.6cm qtz unit.	- qtz phenos range from 2-10mm and are rounded to subrounded. - fsp phenos range from 3-8mm and are irregular in shape. - minor H/L py units - often replaced by limonite. - whitish portions have a little bit more silica in matrix. - Qtz s/w weakly developed. - Altn strong pervasive - weak silica altn in salvage of some units. - Sericitic altn strong in matrix plus phenos.		4-5%	8.23	87		8	
10							→ 1cm lim fts.				11.28	99		11	99
							→ 0.6cm qtz unit				14.33	96		14	96
15										6%		101		14	101

Part 1 of 2
9377

HOLE NO.: KC-80-4

PROJECT: Hoodoo

PAGE NO.: 2 OF 20

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY:

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.
	silica	sericite	clay	chl/epid											
15								<p>0.6cm qtz vult.</p> <p>0.2cm qtz-lim vult.</p> <p>0.2cm lim. frt.</p> <p>1.2cm lim. frt.</p> <p>0.6cm qtz vult.</p> <p>8cm siliceous zone.</p>							
							<p>Quartz-Feldspar Porphyry cont. "Unit B"</p> <p>15.5-23.0 - composition - 20% phenos - 50% qtz - 45% fsp - sericite - clay - 80% matrix - sericite, silica.</p> <p>* limonite - weak to moderate.</p> <p>18.0-20.6 - strong increase in pyrite content.</p>		5-6%	17.37	101			97	101
							<p>* pyrite content increases in whiter more siliceous sections</p>		8-9%		100				100
20							<p>1.5cm qtz vult.</p> <p>1cm py vult.</p> <p>20cm lim zone.</p> <p>cave - very little core.</p>	<p>x traces of diss MoS₂.</p> <p>21.8-22.6 - strong cave zone.</p>		20.42				20	
							<p>23.0 -</p> <p>composition - 25% phenos - 75% qtz - 15-20% plag - ser. - 5-9% sulphides - trace relic mafics. - 75% matrix - sericite, silica.</p>		5-6%	23.47	75			23	76
							<p>1cm lim frt.</p> <p>- alot of cse grained sericite or muscovite on frts and in some phenos.</p>		8%	26.52	94			26	94
25							<p>1cm gouge zone</p>								
							<p>3cm lim frt</p>								
							<p>cluster of 1cm lim frts</p>		5-6%	29.57	97			29	97
30															

NQ wireline

HOLE NO.: KC-80-4

PROJECT: Hoodoo

PAGE NO.: 3 OF 20

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY:

SECTION	ALTERATION				FRACTURING	MINERAL GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.
	silica	sericite	clay	chl/epid										
30							Quartz - Feldspar Porphyry cont "Unit 8"							
							0.3cm lim frt.							
							0.8cm qtz vnt.				78			78
							0.6cm lim frt.	* Numerous H/L lim on frts.						
							0.5cm qtz vnt.							
							1.5cm lim frt.				98			98
35							several H/L py units w/ good diss MoS ₂	34.6 - MoS ₂ occurring in vugs and as coatings on pyrite crystals or masses. - 1st appearance of significant MoS ₂						
							3cm gouge zone w/ lim.	37.2 - End of good grade MoS ₂ - weaker grades persist.		32.61				
							1.4cm gouge zone w/ lim.				97			97
							0.7cm lim frt.	* Traces of diss. cpy.		35.66				
							3cm gouge zone							
							1cm gouge zone	* Increase in chlorite and epidote near contact.		38.71				
40							2cm gouge 48.2 m	weak gouge contact		41.72				
							4cm gouge zone	Feldspar - Hornblende Porphyry "Unit 10"						
								discription next page						
45								48.2 - 445 - limonite staining dominates rock		43.89				
											92			NS

5-6%

NQ wire line

Tr.

HOLE NO.: KC-80-4

PROJECT: Hoodoo

PAGE NO.: 4 OF 20

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N.

E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY:

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT.
	silica	sericite	clay	chl/epid											
45								Feldspar-Hornblende Porphyry cont "Unit 10"						45	
							discription: - greenish-gray color - strong manganese and limonite weathering along frt planes. - minor limonite in the fsp. - comp - 25-30% phenos - 15% fsp → ser ± clay 10% hbl → chl + Mt?? 1-2% Mt 1-2% qtz - 70-95% matrix - feldpathic - silica + ser. - contains little or no sulphides. - fracturing moderate - sericitic atn of both phenos & matrix - moderate.							48	95
							→ Sandy fragment.								
50															
							→ 0.5cm gouge zone	51.70 m	fault contact						
									Quartz-Feldspar Porphyry "Unit 8"					51.7	
									- 1/2% MoS ₂ - pale green-gray color. - comp - 25% phenos - 50% qtz. - 48% fsp → ser. → clay - 8-9% py - 75% matrix - ser, silica					97	
							→ 0.6cm lim frt								
55									sharp contact					55	
							→ 20° contact.	55.0 m	Feldspar-Hornblende-Porphyry "Unit 10"						
							→ str frt of lim and Mon		- Same as above.						
							→ 20° contact	56.3 m	sharp contact					56.3	
									Quartz-Feldspar Porphyry "Unit 8"						
							→ 0.5cm lim frt		- same as above.						
							→ cave.		- weaker MoS ₂ .						
							→ 2cm gouge	58.6 m	"Bughole" Quartz Porphyry Dyke "Unit 9"					58.6	
									- rhyolitic matrix - banding 35° to c.A. - large quartz phenos present. - clay alt'd fspars - 5% of each.						
							→ weak gouge	59.8 m	Quartz Feldspar Porphyry "Unit 8"					59.8	

HOLE NO.: KC-80-4

PROJECT: Hoodoo

PAGE NO.: 5 of 20

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

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COORDINATES:

N.

E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY:

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.
	silica	sericite	clay	chl/epid											
60								<p><u>Quartz Feldspar Porphyry cont. "Unit 8"</u></p> <p>Description - pale green-grey color - mod to str. fractured. - comp. - 25% phenos - 55% qtz. 40% fsp to ser + clay. 8-9% sulf. -75% matrix - ser, sil, chl. - numerous M/L py units. - limonite staining moderate on frts. - chlorite alt'n moderate in fsp. phenos. - MoS₂ generally weak.</p>							
65	moderate	strong	v. weak	moderate	* mod	py-lim - MoS ₂	<p>1cm vuggy qtz unit. 4cm gouge zone. 20cm gouge zone weak breccia w str. MoS₂ around frags 10cm gouge zone. 1cm gouge zone. weak breccia</p>		8-9%	60.05	81				
							<p>90° to C.A. Unit 8 frag. 68.6m 5cm gouge zone. 1cm fault. 69.9m</p>		10%	62.09	96				
							<p><u>Bughole Quartz Porphyry Dyke "Unit 9"</u> - same as on Page 4 - Except very strongly frted. fault contact</p>		8-9%	66.14	93				
70							<p><u>Quartz - Feldspar Porphyry "Unit 8"</u></p> <p>Same as above. * fine disseminated MoS₂ plus as coating on pyrite. * weak limonite on frts.</p>		0	69.19					
							<p>1cm gouge zone. 0.4cm lim frt. 0.5cm py unit 1cm py unit. 0.7cm py-qtz unit. 1cm qtz unit</p>		7-8%	72.24	98				
75									8-9%		92				

NQ wireline

MOLE NO.: KC-80-4

PROJECT: Hoodoo

PAGE NO.: 6 OF 20

COLLAR ELEV.:

GROUND ELEV.:

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N. E.

DATE FINISHED:

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BEARINGS:

TOTAL DEPTH:

LOGGED BY:

SECTION	ALTERATION				MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.
	silica	sericite	clay	chl/epid										
75							Quartz - Feldspar Porphyry cont "Unit 8"							
						<ul style="list-style-type: none"> → 0.5cm qtz vnt → 0.5cm lim frt. → 1/4 lim frt → 0.3cm gouge zone. 		8-9%	75.29	81				
						<ul style="list-style-type: none"> * MoS₂ occurrence very patchy. - up to 1% in places. 			77.42					
						<ul style="list-style-type: none"> → 0.3cm gouge zone. → 1cm wiggly qtz unit w MoS₂ 	79-80 - strong bluish mineral with striations on prismatic crystals - believe it's MoS ₂ but appears a bit to hard - poss bornite.				93			
80						<ul style="list-style-type: none"> → 1cm wiggly qtz unit w MoS₂ → 1cm py unit. → 0.5" to 0.7" 	81.1 m sharp contact		80.97					
						<ul style="list-style-type: none"> → 40cm shear zone 	Feldspar - Hornblende - (Quartz) Porphyry - "Unit 10"							
						<ul style="list-style-type: none"> - greenish grey color. - phenos < 3mm in size - fracturing strong 				101				
						<ul style="list-style-type: none"> → str. lim on frts. 	81.6-82.0 - strong fault or shear zone							
						<ul style="list-style-type: none"> → str. lim on frts. 	<ul style="list-style-type: none"> - comp - 40% phenos - 92% fsp → sericite. - 5% relic Hbl → sericite - 2% qtz - 1% Hem. 		83.21					
85						<ul style="list-style-type: none"> → 1/4 chl. vnt → strong caving 	<ul style="list-style-type: none"> - 60% matrix - sericite - silica - chl. - mod to str. lim on frts. 		84.43	79				
						<ul style="list-style-type: none"> → 1/4 chl. vnt → strong caving 				95				
						<ul style="list-style-type: none"> → 0.3cm py unit → 1cm qtz unit 	86.85 m sharp contact.		86.97					
						<ul style="list-style-type: none"> → 1cm qtz unit → str. caving 	Pyritic - Quartz (Feldspar) Porphyry - "Unit 8"							
						<ul style="list-style-type: none"> - white to grey colored - mod to str. fracturing - comp - 20% phenos - 40 qtz - 50% py - 10% fsp → ser + clay. - 41% MoS₂ - sericite, silica - 65% matrix - crystalline matrix - weak s/w developed. 				82				
						<ul style="list-style-type: none"> → str. caving 								
90								10%	88.61					

NO wire line

HOLE NO.: KC-80-4

PROJECT: Hoodoo

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COLLAR ELEV.:

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TOTAL DEPTH:

LOGGED BY:

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.
	silica	sericite	clay	chl/epid											
90	mod	strong	weak	mod chl wk epid	moderate to strong	py - cpy - MoS ₂ - lim	Pyritic - Quartz - (Feldspar) Porphyry "Unit 8"	<p>→ 0.8cm qtz vult.</p> <p>→ py unit on frtz.</p> <p>→ 2cm qtz-py vult.</p> <p>* limonite very weak.</p> <p>* Small sections run up to 15% pyrite.</p>	10%	91.74	84		90		
95	moderate to strong	strong	weak (siderite in fsp phenos)	moderate to strong	moderate to strong	py - cpy - MoS ₂ - lim	<p>94.3 - 97.1 - General increase in cpy content.</p> <p>→ 0.2cm py unit</p> <p>→ 0.5cm py vult</p> <p>→ 0.8cm cpy-py vult.</p> <p>→ 2x0.3cm py units</p> <p>→ scattered 1/4 py-cpy units</p> <p>98.6 - 99.70 Fault or shear zone.</p> <p>* Presence of chlorite near Unit 10 contact</p> <p>* 90% of pyrite masses have a round framboidal texture.</p> <p>* limonite increases towards contact - moderate on frtz</p>	5-6%	92.96	88		93			
	mod	strong	weak	mod chl wk epid	moderate to strong	py - cpy - MoS ₂ - lim	<p>98.6 - 99.70 Fault or shear zone.</p> <p>* Presence of chlorite near Unit 10 contact</p> <p>* 90% of pyrite masses have a round framboidal texture.</p> <p>* limonite increases towards contact - moderate on frtz</p>	5-6%	95.71	86		96			
	mod	strong	weak	mod chl wk epid	moderate to strong	py - cpy - MoS ₂ - lim	<p>98.6 - 99.70 Fault or shear zone.</p> <p>* Presence of chlorite near Unit 10 contact</p> <p>* 90% of pyrite masses have a round framboidal texture.</p> <p>* limonite increases towards contact - moderate on frtz</p>	5-6%	96.93	74		78			
	mod	strong	weak	mod chl wk epid	moderate to strong	py - cpy - MoS ₂ - lim	<p>98.6 - 99.70 Fault or shear zone.</p> <p>* Presence of chlorite near Unit 10 contact</p> <p>* 90% of pyrite masses have a round framboidal texture.</p> <p>* limonite increases towards contact - moderate on frtz</p>	5-6%	99.47	86		99			
	mod	strong	weak	mod chl wk epid	moderate to strong	py - cpy - MoS ₂ - lim	<p>98.6 - 99.70 Fault or shear zone.</p> <p>* Presence of chlorite near Unit 10 contact</p> <p>* 90% of pyrite masses have a round framboidal texture.</p> <p>* limonite increases towards contact - moderate on frtz</p>	5-6%	101.5	97		81			
	mod	strong	weak	mod chl wk epid	moderate to strong	py - cpy - MoS ₂ - lim	<p>101.7m Sharp contact.</p> <p>Feldspar-Hornblende Porphyry "Unit 10"</p> <p>- greenish grey color.</p> <p>- fracturing moderate</p> <p>- comp - 35% phenos - 25% fsp → ser + siderite 10% Hbl → chl + epid. 1% qtz 1% Hem</p> <p>- 65% matrix - sericite + silica + clay</p> <p>- phenos - 4 or 5mm</p> <p>- weak limonite except at contact</p>	0%	103.63	92		101.7			

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SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT.
	silica	sericite	clay	chl / epid											
105								<u>Feldspar - Hornblende Porphyry "Unit W"</u>				92			
							50cm gouge zone	105.7 - 106.2 - strongly broken zone with gouge			106.07				
											107.29			108	
												102			
110								Very barren rock - structureless			110.03				
										0%		102			
								113.4 - Color starts to lighten up - pale greenish grey.			113.08				
115												97			
											116.13				
								118.2 - 118B - Unit B breccia			117.96				
										5%					
								118.8 - color is darker green				101			
120										0%					

NQ wireline

45 cont
Unit B breccia
20cm gouge zone

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SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.
	silica	sericite	ch/epid	clst											
120	↑	↑	↑	↑	↑		→ 10cm gouge zone.	Feldspar - Hornblende Porphyry cont "Unit 10"			120.0	101		121	
								Composition - 40% phenos - 25% fsp → sericite + siderite - 13% Hbl → chl + epid. - 1% qtz - 1% Hem - 60% matrix - sericite, silica			123.4			124	100
125							→ 1cm gouge zone.			0%	126.8	99			
	moderate	very strong	mod chl wk - mod epid	weak	Hem						129.2	100	NG wireline		
130											132.28	99		131	
								132.3 - color becomes pale green			132.28				88
							→ 3cm gouge zone.	134.0 Fault Contact Breccia "Unit 4"		5%	134.0	78		134	
							→ 1m gouge zone.	134.2 - 135.2 - Fault on shear zone			135.03				

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SECTION	ALTERATION				FRACTURING	MINERAL GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.
	Silica	Sericite	Clay	chl/epid										
135							<p>1m gauge zone</p> <p>→ 0.7cm qtz-py unit</p> <p>→ 0.4cm py unit.</p> <p>→ 0.4cm py unit</p> <p>→ 0.3cm py unit</p> <p>→ 0.8cm qtz unit & lim</p> <p>→ 0.3cm py unit</p> <p>→ 1cm py unit</p> <p>→ 0.7cm py unit</p> <p>→ str MoS₂ on frts.</p> <p>→ 2cm gauge zone</p> <p>→ 0.8cm py unit.</p> <p>→ str diss. opy.</p> <p>→ H/L cpy unit.</p> <p>→ 0.5cm cpy-py unit</p> <p>→ 0.8cm py unit.</p>	5%	135.03	93			93	
70							<p>discription - separated from Unit 8 by a 1m. fault.</p> <p>- matrix is a crystalline greenish grey color.</p> <p>- composed of silica, chlorite + sericite</p> <p>- fragments - 35-40% of rock.</p> <p>- range in size from 4mm to 30mm. - possibly 5% > 20mm in size</p> <p>- generally sub-angular to rounded.</p> <p>- composite - dacite - "Unit 6" - 15%</p> <p>- qtz purph - "Unit 8" - 10%</p> <p>- purple volc - 5%</p> <p>- diorite - "Unit 2" - 5%</p> <p>- Unit 8 frags have rounded qtz crystals in a white crystalline matrix. Frags strongly sericitized and contain minor pyrite.</p> <p>- Unit 2 frags - Hbl & qtz diorite - hbl has been altered to chl or minor epidote.</p> <p>- purple volc frags - pinkish purple color - possibly rhyolitic comp. - possibly overprint of Unit 6</p> <p>- Unit 6 frags - grey color & minor rounded qtz and minor subrounded fsp phenos. - siliceous matrix</p> <p>- pyrite generally confined to the matrix - most often around the fragments.</p> <p>- limonite weak on fractures.</p> <p>- chlorite in matrix may be derived from diorite frags</p> <p>- py units cut by fragments. - numerous H/L py units</p> <p>- weak MoS₂ in units, frts and as diss</p> <p>- weak cpy as disseminations.</p> <p>* Minor siliceous envelopes on py units.</p>	8-9%	137.29	103		137	103	
75							<p>→ 0.7cm py unit</p> <p>→ 2cm gauge zone</p> <p>→ 0.8cm py unit.</p> <p>→ str diss. opy.</p> <p>→ H/L cpy unit.</p> <p>→ 0.5cm cpy-py unit</p> <p>→ 0.8cm py unit.</p>		141.13	94			94	
100							<p>→ 0.6cm py unit.</p> <p>→ 0.5cm py unit</p> <p>→ 1cm py unit.</p>		142.95	99			99	
							<p>145.0 - Fragments getting larger - 25% > 20mm.</p> <p>- content 45-50% fragments.</p>		145.39	99			99	
							<p>147.0m Gradational contact.</p> <p>Breccia "Unit 4A"</p> <p>- similar to Unit 4 except fragments are coarser grained</p> <p>50% > 20mm in size</p> <p>- gradation size increase</p>		148.44	89			89	
									149.96					

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SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	E M
	Silica	Sericite	Clay	chl / epid												
150	strong	weak	moderate	moderate	strong		<p>0.3cm py unit.</p> <p>str. MoS₂ on frt. - 0.6cm</p> <p>Native Cu + MoS₂ on frt.</p> <p>0.7cm py unit.</p> <p>Test-hole angle 77°</p> <p>strong 0.4cm py units + mod diss. cpv</p> <p>0.8cm py unit w sph. * Only traces of limonite present.</p> <p>10cm dacite frag</p> <p>0.4cm qtz unit</p> <p>0.7cm qtz - sp unit.</p> <p>0.7cm py unit.</p> <p>2cm qtz unit</p> <p>0.5cm py unit</p> <p>cluster of 0.3cm py units.</p> <p>0.4cm py unit</p> <p>str disc opy</p> <p>1cm py unit</p> <p>str. cpv units.</p>	<p>Breccia - "Unit 4A"</p> <p>* Numerous w/l py units.</p> <p>152.0 - First appearance of gneissic frags - "Unit 1"</p> <p>152.3 - Find qtz s/w in a qtz porph frag - not in matrix.</p> <p>* Finding framboidal pyrite on fractures.</p> <p>156.0 - Composition - 50-55% frags - 30% diorite. 5% gneiss. 5% qtz porph. 15% dacite. - 45-60% matrix - silica, chl, epid & ser. - 85% > 2cm (10% > 4cm)</p>	7-8%		95		90			
155	strong	weak	moderate	moderate	strong				10%	152.7	104		104			
160	strong	weak	moderate	moderate	strong				7-8%	155.17	95		95			
165	strong	weak	moderate	moderate	strong				7-8%	157.58	103		103			
	strong	weak	moderate	moderate	strong				7-8%	160.32	103		103			
	strong	weak	moderate	moderate	strong				7-8%	163.37	103		103			

NQ wireline

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SECTION	ALTERATION			FRACTURING	MINERAL GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	
	sericite	clay	chl/epid.											
165	strong	weak	str chl + mod epid.	mod chl/epid + str chl + mod epid.	moderate	<p>Breccia cont. "Unit 4A"</p> <p>* Numerous 1/2 py units.</p> <p>* Tracer of purple volcanic frags ± 1%</p> <p>* Rock has a dark green matrix - increase in chl.</p> <p>* minor silicious envelopes on py units.</p> <p>* Diss. cpy ≤ 1/2%</p> <p>* Epidote forms yellow-green patches - does not appear to occur in the matrix.</p> <p>174.0 - Composition - 35% frags - 20% dacite 10% diorite 5% gneiss - 65% matrix - silica, chl ± sericite.</p>		7-8%	166.42	97			167	91
170								5-6%	169.77	100		170	100	
175								7-8%	171.60	100		173	105	
								5-6%	174.65 174.96	106		176	101	
								7-8%	178.0	100		176	96	
									178.97	94		179		
180										107				

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SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.
	silico	sericitic	sec. bio	chl/epid											
								Note: Replacement of clay w sec bio in alteration.							
								DESCRIPTIVE GEOLOGY							
180	↑	↑	↑	↑	↑			Breccia cont "Unit 4A"				94			
								* Numerous H/L py units in silicious salvage.			190.75				100
											181.97	107		182	
								Fragment content varies from 40-45% to about 10% over very short sections. No reason is noted.				99			99
											185.01			185	
185								Starting to get sections of mod. sec. bio. in the matrix.				99			99
											182.06			188	
								189.5 - Increase in frag content plus the presence of sec. bio in matrix turning it dark brown				88			88
								40% frags - 25% dacite. 10% diorite 5% gneiss <1 qtz porph							
								-60% matrix - silica, sec bio, chl & ser.							
								-sec bio very patchy.				79			
											191.11			191	
											191.72				97
												100			
											194.16			194	

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SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.
	silica	sericitic	clay-sect ⁱⁿ	chl/epid											
195															
	strong	weak	mod clay (plens) Traces of sec bio	mod chl - wkepid	mod strong	py - cpj - MoS ₂	<p>→ 0.2cm cpy unit</p> <p>→ 0.5cm gouge zone</p> <p>→ 1cm qtz unit</p> <p>→ 1cm qtz unit.</p>	<p>Breccia - unit 4A.</p> <p>* Strong silicious salvage around H/L py units.</p>		7-8%	100				
200	wk to mod	v. strong	mod clay (plens) Traces of sec bio	mod chl - wkepid	strong		<p>← cave contact</p> <p>200.1m</p> <p>← 1cm lim frt.</p>	<p>Caving - no gouge</p> <p>Feldspar - Quartz Porphyry "unit 10"</p> <p>- pale greenish-grey color</p> <p>- comp = 20% phenos - 17% fsp → sericite → clay</p> <p>- 3% qtz</p> <p>- 21% relic hbl → ser.</p> <p>- 80% matrix = sericite + silica</p> <p>- qtz phenos round to subrounded</p> <p>- fsp phenos angular to sub angular.</p> <p>- mod. manganese staining on frts.</p>		0%	95				
205	strong	weak	mod chl - wk epid	mod chl - wk epid	mod to strong	py - cpj - MoS ₂ - Nat Cu	<p>← 60° to CA</p> <p>204.4m</p> <p>← 0.5cm gouge zone</p> <p>→ 0.9cm py unit.</p> <p>→ 0.3cm cpy - py - MoS₂ unit. traces Natife Cu</p> <p>→ 10cm shear zone.</p> <p>→ 13cm qtz unit</p>	<p>sharp contact.</p> <p>Breccia "Unit 4A"</p> <p>* Numerous py units</p> <p>* strong silicious salvage on py units.</p> <p>Comp - 25% frags - 10% diorite - 10% dacite - 5% gneiss</p> <p>- 75% matrix - silica - chlorite ± sericite.</p> <p>20% of frags > 3cm</p>		5%	86				
210															

NO wire line

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SECTION	ALTERATION			FRACTURING	MINERAL GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	F. M.
	silica	sericite	clay											
210	strong	weak	mod chlorite + weak epidote	mod to str		Breccia cont. "Unit 4A"								
					→ 5cm qtz unit → 3cm gouge zone					92			92	
					→ 0.2cm py unit	212.0 - 221.9 - very badly fractured with alot of limonite on the fractures			212.45					
					→ 0.4cm py unit					68			68	
215					→ 0.5cm py unit									
					→ 1cm gouge zone	Breccia "Unit 4"			216.49					
					→ str MoS ₂ on fr.	* Composition - 10-15% phenos - 5-7% diorite 5% diorite 3% gneiss			216.71	60				
					→ 0.7cm qtz unit	- 85-90% matrix - silica, chl, sericite. - very weak breccia - Most 90% of frags are < 2cm.				67			68	
					→ 0.5cm py unit	- gradational contact			218.54	100				
220					→ 0.5cm py unit				219.76	58				
									220.97				80	
										81				
									221.28	100				
									221.89				222	
										84				
					→ 1/2 cpy unit w MoS ₂				223.71				90	
					→ 1cm gouge zone					103				
					→ 0.4cm py unit				224.33					
										96			225	

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SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE RECY / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% RECY. SAMP. INT.
	silicy	sericite	clay											
225	strong	weak	mod chl wk epid	mod	py-mos	0.7cm py unit.	Breccia cont "Unit 4"		3-5%		96		225	96
226	moderate	very strong	mod chl wk epid	strong	py-cpy-mos	45° contact 226.8 m py unit cut at contact disjointed 0.3-0.6cm py units 2x0.7cm py units 1cm py unit.	sharp contact Pyritic-Quartz Porphyry Dike - "Unit B"		10%	227.30			228	99
227	strong	weak	mod chl	strong	py-cpy	1cm py unit. 45° contact 230.9 m 0.7cm py unit 0.7cm py unit 0.3cm py unit.	sharp contact Breccia - "Unit 4"		3-5%	230.45			231	92
228	strong	weak	mod chl	strong	py-cpy	10cm gouge zone 40cm faultzone 2cm gouge zone	- strong silicious envelopes or salvage around py units. - pale greenish grey matrix - comp - 10% frags - 5% dacite 3% gneissic 2% diorite. - 90% matrix - silica + ser + chl.		3-5%	222.87			234	80
229	strong	weak	mod chl	strong	py-cpy	1cm gouge zone	- weakly brecciated. - 100% frags < 2mm		3-5%	234.09			234	73
230	strong	weak	mod chl	strong	py-cpy	1cm gouge zone			3-5%	235.9			234	60
231	strong	weak	mod chl	strong	py-cpy	1cm gouge zone	236.6 m Fault Contact		3-5%	236.5			234	32
232	strong	weak	mod chl	strong	py-cpy	1cm gouge zone	Feldspar-Hornblende Porphyry "Unit 10"		10%	237.35			234	102
233	strong	weak	mod chl	strong	py-cpy	1cm gouge zone	- peppery texture - composition - 40% phenos - 30% fsp → kaolinite → sericite 10% Hbl → chl + ser. 1% qtz. - 60% matrix - sericite + silica		10%	237.35			NS	99
234	strong	weak	mod chl	strong	py-cpy	1cm gouge zone	- strong alt'n - phenos subrounded to sub angular.		10%				NS	99

cont.

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TOTAL DEPTH:

LOGGED BY:

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	E. MA
	silica	sericite	clay	chlorite												
240	moderate	V. strong	weak	mod to str	strong	Hem-Py	<p>Feldspar - Hornblende Porphyry cont</p> <p>discr. cont < 1% sulphides < 1% Hemetite.</p> <p>- chlorite alt'n mod to str on Hbl.</p> <p>- phenos up to 80mm in size</p> <p>- Kaolinite alt'd fspars often pitted w/ vugs</p>		< 1	240.79	99		240			
							<p>10cm gouge zone</p> <p>10cm gouge zone</p> <p>4cm gouge zone</p>			241.71	91			90		
245							<p>10cm gouge zone</p> <p>2 x 8cm gouge zones</p> <p>2 x 1cm pj units</p>	<p>245.1 m Fault contact</p> <p>Breccia - "Unit 4"</p> <p>- green color matrix</p> <p>- frt strong</p> <p>- comp - 20% frags - 10% dacite 10% diorite</p> <p>- 80% matrix - silica, chlorite ± ser.</p> <p>- minor epys diss plus nlc units</p> <p>- minor frankoidal pyrite on fractures</p> <p>- 90% of frags < 2mm in size</p> <p>* Small sections w sec bio alt'n of matrix</p>		246.06	88		245			
							<p>1/2 cpy units.</p> <p>contaminat unit</p>			246.97	91			92		
										246.89	96			248		
250	strong	weak		mod to str sh	strong	Py-cpy			7-8%	249.02	97			95		
										250.24	78			251		
										252.07	72			83		
							<p>252 - Breccia becomes Unit 4A.</p> <p>- 70% frags > 3mm</p> <p>- comp. relatively the same.</p>			252.68	98			254		
							<p>0.2cm py unit.</p>			254.8						

HOLE NO.: KC-80-4

PROJECT: 400,000

PAGE NO.: 18 OF 20

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N.

E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY:

SECTION	ALTERATION				FRACTURING	MINERAL GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	E M
	silica	sericite	clay	chl/epid											
255							str cave. 255.0 - <u>Breccia - "Unit 4"</u>								
							- weak breccia - composition - 10% frags - 5% dacite 3% gneiss 2% diorite			255.42				70	
							0.2-0.9cm PY-cPY; MnS - 5% phenos - qtz - 85% matrix - sericite, chlorite ± sericite.			256.95					257
							- greenish color.			258.17					88
							0.4cm py unit								
260							str caving			260.91					260
							1.5cm py unit			262.43					73
							2620-275.0 - Very badly broken rock - strong caving								
							- moderate limonite on frts.			263.35					263
							26365 - Reduced to BQ wire line			263.45					55
										265.42					266
										266.90					60
										267.61					
										268.44					269
										269.75					

HOLE NO.: KC-80-4

PROJECT: Hoodoo

PAGE NO.: 19 OF 20

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N.

E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY:

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	E. MA
	silico	sericite	clay	chl/cpid												
270	↑	↑	↑	↑	↑											
	↑	↑	↑	↑	↑		0.2 cm py unit	Breccia - "Unit 4"				39				
	↑	↑	↑	↑	↑		* weak breccia.									
	↑	↑	↑	↑	↑		1 cm qtz unit	* mod limonite on fets				43		272		
	↑	↑	↑	↑	↑		0.2 cm py unit.					74			60	
275	↑	↑	↑	↑	↑					4-5%		29				
	↑	↑	↑	↑	↑							109				
	↑	↑	↑	↑	↑		45° contact	sharp contact				100		276.4		
	↑	↑	↑	↑	↑		276.4m	Quartz Porphyry "Unit 9"								
	↑	↑	↑	↑	↑			- creamy white rhyolitic matrix								
	↑	↑	↑	↑	↑			- comp - 15% phenos - 10% qtz								
	↑	↑	↑	↑	↑			5% fsp → Kool + Ser.								
	↑	↑	↑	↑	↑			- 88% matrix - silica, sericite								
	↑	↑	↑	↑	↑			- qtz phenos rounded to subrounded.				99			101	
	↑	↑	↑	↑	↑			- fsp phenos subangular to subrounded								
	↑	↑	↑	↑	↑			- minor limonite on fets.								
	↑	↑	↑	↑	↑			- diss MoS ₂ in qtz phenos.								
280	↑	↑	↑	↑	↑		45° contact	sharp contact.				103		280.1		
	↑	↑	↑	↑	↑		280.11m	Breccia "Unit 4"								
	↑	↑	↑	↑	↑			same as unit above Unit 9				85				
	↑	↑	↑	↑	↑		0.6 cm py unit.									
	↑	↑	↑	↑	↑					8-9%						
	↑	↑	↑	↑	↑		45° contact					101		283.7		
	↑	↑	↑	↑	↑		283.7m	Quartz Porphyry "Unit 9"								
	↑	↑	↑	↑	↑			same as above								
285	↑	↑	↑	↑	↑							91		284.34		

HOLE NO.: KC-80-3

PROJECT: Hoodoo Creek

PAGE NO.: 1 OF

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: July 18, 1980.

REF. TO CLAIM CORNER: B2T-7

COORDINATES:

N. E.

DATE FINISHED: July 27, 1980

SCALE: 1:100

INCLINATION: -45°

BEARING: 338°

TOTAL DEPTH: 320.65 m.

LOGGED BY: G.L. Holland

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS: <i>Fracturing -</i> v. strong >15 Per metre strong >10 <15 moderate >6 <10 weak >3 <6 v weak <3	AVE CORE REC'Y / HOLE 85.6%	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.
	silica	sericite	clay	chlor											
0															
							0-0.31	Stick-Up							
5							0.31 - 9.14m	Overburden							
							9.14m								
10							9.14-10.7m	Gouge zone				54			
							10.7-13.4m	Feldspar (Hornblende) Porphyry - (Unit 10) - pale green color - str. rusty weath. on fts. - lim & Hem. - fine grained matrix - comp - 10-15% phenos - 90% fspar - ser w minor clay - 5% relic Hbl → ser w minor znl. - 2% qtz - 3% f.g. Hem. - sericite - silica - clay. 85-90% matrix - Hbl are all relic textures.			10.67	80		10.7	
							13.4m				10%				
							13.40 - 15.50m	Fault zone							
15							2.1m Fault zone containing gouge	- gouge filled							

part 1 of 2
9377

10%
80
38
NQ wireline

NOLE NO.: KC-80-3

PROJECT: Hoodoo

PAGE NO.: 4 of 22

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N.

E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY:

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE RECY/HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% RECY. SAMP. INT.
	silica	sericite	clay	limonite											
45							<p>1.5cm py unit.</p> <p>Quartz Feldspar Porphyry cont (Unit B)</p> <p>* Fspar phenos are pitted.</p> <p>* Becoming slightly brecciated in places.</p>								
50							<p>1cm lim on frt.</p> <p>0.8cm qtz unit.</p> <p>0.6cm py unit.</p> <p>10cm gouge zone.</p> <p>0.6cm py unit.</p> <p>bleached zone w alot of limonite.</p> <p>53.0-53.7- Enrichment in py. Often has framboidal texture.</p> <p>54.0- 1st sign of bornite and native Cu on frts.</p> <p>54.3-54.9 - weakly brecciated w dacite frags.</p>		4-5%						
55							<p>1cm py unit.</p> <p>1.5cm lim. on frt.</p> <p>* Rock becoming quite whitish in color. In crease in silica. Alt'n quite strong.</p> <p>* Rock very weakly brecciated in places.</p>		9%						
60							<p>1cm py unit</p> <p>py units</p>		5-6%						

NQ wireline

HOLE NO.: KC-80-3

PROJECT: Hoodoo

PAGE NO.: 5 OF 22

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N.

E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY:

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS: Note change in alteration titles chl/ep replaced limonite	AVE CORE RECY / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% RECY. SAMP. INT.
	Silica	sericite	clay	chl/ep											
60	st	mod	wk	chl/ep	mod		<p>15 cm gouge 65° to C.A. Trace Calcicite at contact.</p> <p>60.7m 60.7-</p> <p>Quartz Feldspar Porphyry (unit B) cont. Gouge zone. - Breccia (unit 4a)</p> <ul style="list-style-type: none"> - 1.5 cm shear contact. - matrix - grey to greenish grey color. - crystalline - composed of silica w minor sericite, chlorite and epidote. - frags - range in size from 1cm to >10cm. - angular to subrounded in shape. - composite - dacite - unit 6 - garnet-bio-qtz gneiss - Unit 1 - hbl diorite - Unit 2 - sulphides range in content from 5-15%, both as disseminations and frt fill - minor cpy - MoS₂ - Native Cu and Born present throughout. - A lot of disjointed pyrite units. - weakly developed silicious envelopes around py units. - In places py cuts frags and in others it doesn't. - diss py present in most of the frags. 		5-6%				60.5		
65	strong (matrix)	weak - mainly in matrix	Trace (res)		mod to strong	<p>0.8 cm qtz unit.</p> <p>str MoS₂ on frt unit. 0.6 cm qtz unit.</p> <p>0.8 cm py unit.</p> <p>1 cm py unit.</p> <p>1 cm py unit Native Cu on frt rock out for show.</p> <p>2 cm qtz unit.</p> <p>0.6 cm qtz-carb unit.</p> <p>Native Cu on frt</p> <p>1 cm qtz unit.</p> <p>30 cm gouge zone</p>	<p>* Frags 95% dacite, 5% diorite</p> <p>* Native Cu becoming abundant on frts - crystals up to 3 or 4 mm in size.</p>		8-15%	62.79	94		90	63.5	
70	strong (matrix)	weak - mainly in matrix	Trace (res)		mod to strong	<p>1 cm py unit Native Cu on frt rock out for show.</p> <p>2 cm qtz unit.</p> <p>0.6 cm qtz-carb unit.</p> <p>Native Cu on frt</p> <p>1 cm qtz unit.</p> <p>30 cm gouge zone</p>	<p>* Frags 95% dacite, 5% diorite</p> <p>* Native Cu becoming abundant on frts - crystals up to 3 or 4 mm in size.</p>		5%	65.84	82		84	66.5	
75	strong (matrix)	weak - mainly in matrix	Trace (res)		mod to strong	<p>1 cm py unit Native Cu on frt rock out for show.</p> <p>2 cm qtz unit.</p> <p>0.6 cm qtz-carb unit.</p> <p>Native Cu on frt</p> <p>1 cm qtz unit.</p> <p>30 cm gouge zone</p>	<p>* Frags 95% dacite, 5% diorite</p> <p>* Native Cu becoming abundant on frts - crystals up to 3 or 4 mm in size.</p>		6-7%	68.99	89		86	69.5	
	strong (matrix)	weak - mainly in matrix	Trace (res)		mod to strong	<p>1 cm py unit Native Cu on frt rock out for show.</p> <p>2 cm qtz unit.</p> <p>0.6 cm qtz-carb unit.</p> <p>Native Cu on frt</p> <p>1 cm qtz unit.</p> <p>30 cm gouge zone</p>	<p>* Frags 95% dacite, 5% diorite</p> <p>* Native Cu becoming abundant on frts - crystals up to 3 or 4 mm in size.</p>		5%	71.93	88		84	72.5	
	strong (matrix)	weak - mainly in matrix	Trace (res)		mod to strong	<p>1 cm py unit Native Cu on frt rock out for show.</p> <p>2 cm qtz unit.</p> <p>0.6 cm qtz-carb unit.</p> <p>Native Cu on frt</p> <p>1 cm qtz unit.</p> <p>30 cm gouge zone</p>	<p>* Frags 95% dacite, 5% diorite</p> <p>* Native Cu becoming abundant on frts - crystals up to 3 or 4 mm in size.</p>		5%	74.98	88		83	74.0	

NQ wireline

HOLE NO.: KC-80-3

PROJECT: Hoodoo

PAGE NO.: 6 OF 22

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N.

E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY:

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	E. MA	
	Silica	Sericite	clay	chl/ep													
75							<p>Pebbly - cave</p> <p>Breccia cont. (Unit 4A)</p> <p>* Comp. of frags - 70-75% gneiss - unit 1. 20-25% dacite - unit 7 ≤ 5% diorite - unit 2</p> <p>- Composition of rock is - 55-60% frags - strong breccia - 40-45% matrix</p> <p>Unit 1 Frags - bluish grey color; subrounded to subangular, strong shistosity or gneissic texture, contains biotite, which forms the gneissic texture, quartz, 2mm pinkish garnets, and minor fsp, epidote and chlorite.</p>							75.5			
							<p>→ 0.7cm py unit.</p>					AB					
							<p>→ 0.3cm py unit</p>							77.42			
80							<p>→ Native Cu on frt</p>							79.55			
							<p>* Limonite weak on frts.</p> <p>* No diss py in gneiss frags</p>							81.08			
							<p>→ trace bi on frt.</p>							81.69			
							<p>* All pyrite units are rimmed with limonite.</p>							81.72			
							<p>82-84.5 - Caving with strong limonite</p>							83.21			
							<p>Cave - limonite strong</p> <p>→ Qtz crystals along frt</p>							83.63			
							<p>84.7 - Fragments all or 90% are greater than 2cm in size. Range > 10cm in size. A lot of chl in matrix around frags</p>							84.5			
							<p>→ Native Cu on frt.</p>							84.74			
							<p>→ 1cm qtz unit.</p>							87.17			
							<p>→ Diorite frag - 50cm.</p>							87.17			
							<p>* Sulphides present in diorite frags.</p>							87.17			
							<p>→ Native Cu on frt</p>							89.31			
90														99			
														98			
														70		87	

HOLE NO.: KC-80-3

PROJECT: Hoodoo

PAGE NO.: 8 of 22

COLLAR ELEV.:

GROUND ELEV.:

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N.

E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARINGS:

TOTAL DEPTH:

LOGGED BY:

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.
	silica	sericite	clay											
105							<p>trace Native Cu</p> <p>3cm py mass</p> <p>0.4cm py vnt.</p> <p>0.7cm qtz vnt.</p>			105.4	96		105.5	
							<p>* Numerous H/L pyrite vnt. - often have a limonite coating on the outside.</p> <p>* Dacite frags are now barren - no sulphides.</p> <p>* Good MoS₂ in the matrix</p>			108.2	95		108.5	
110							<p>* Rock comp - 60% frags - 45% dacite 40% gneiss 15% diorite</p> <p>- 40% matrix - silica-chlorite-sericite.</p> <p>- limonite on frts - weak</p> <p>- 5-8% diss. py.</p> <p>- 90% of frags > 2cm.</p> <p>- 50% of frags > 10cm.</p>	6-7%		108.2	100		108.5	99
							<p>* A lot of diss. py. in the diorite frags.</p>			111.25	96		111.5	
										112.47	95		112.5	101
115										114.4	84		114.5	
										116.13	95		116.5	90
							<p>* Limonite very weak.</p>			119.18	95		117.5	
120							<p>119.5 - End of limonite on frts.</p>			119.18	116		119.5	107

COLLAR ELEV.:

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E.

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BEARING:

TOTAL DEPTH:

LOGGED BY:

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT.	M. E.
	silica	sericite	clay	chl / ep												
120								trace Native Cu.								
								trace Native Cu.								
								trace Native Cu.								
125								0.5cm py unit.								
								20cm dacite frag.								
								trace Native Cu on frt.								
								2x3cm py masses.								
130								H/L MoS ₂ unit.								
								1cm py unit								
								10m py unit.								
135																

DESCRIPTIVE GEOLOGY

Breccia - (Unit 4) cont.

* Numerous H/L (<1mm) py units. - no limonite.
121.3 - Notable increase in chl in the matrix.
- dark green color.

* Native Cu appears to be confined to frts.

* cpy very weak and very fine grained.

* Py content in matrix ranges about 10% to 15%.
Averages down over the whole rock.

* Rock is fairly solid - decrease in fracturing

Rock comp - 65% phenos - 55% dacite
30% gneiss
15% diorite.
- 35% matrix - silica - chlorite - sericite
- 80% frags > 2cm
- 40% " > 10cm

- traces of pyrite and epidote found in some dacite frags
128.0 - decrease in chl. - color of matrix greenish-grey.

* Traces of 1cm bull quartz frags present.

* MoS₂ occurs both as fine grained disseminations and along frts.

134.1 - Increase in chl in matrix. Rock takes on a dark green color

NQ wireline

HOLE NO.: KC-80-3

PROJECT: Hoodoo

PAGE NO.: 10 of 22

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

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N.

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DATE FINISHED:

SCALE:

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BEARING:

TOTAL DEPTH:

LOGGED BY:

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.
	silica	sericite	clay	chl/ep.											
135								Breccia cont. - (Unit 4A)							
							<ul style="list-style-type: none"> → 4/L MoS₂ unit. → 1cm qtz unit → 1cm py unit → 1cm py unit cut by gouge → 1cm gouge zone. 	<ul style="list-style-type: none"> - Rock composition - 65% frags - 45% dacite, 25% gneiss, 30% diorite - 35% matrix - silica, chlorite, ser. Strongly brecciated 138-143.8 - Decrease in chlorite in grndmass 		5-6%	135.0	113	135.5		
							<ul style="list-style-type: none"> → 0.5cm py unit. → 0.4cm py unit → 0.4cm py unit. 				136.9	77			
140	Strong in matrix	weak in matrix	mod.	mod.			<ul style="list-style-type: none"> → sample for show. 				137.16	100	138.5		
							<ul style="list-style-type: none"> → 0.5cm gouge zone → 3cm py mass. 				140.21			141.5	
145								<ul style="list-style-type: none"> 147-151.1 - Unit 4? Similar breccia to Unit 4A but fragment are 90% < 2cm. in size. - dk green color - very chlorite rich. - comp - 30% frags - 60% dacite, 30% gneiss, 10% diorite. + 70% matrix - silica, chlorite, pass. sericite. - sulphides - 8-9% - no definitive contacts noted. Just a sudden size and abundance increase in frags 		4-5%	142.6			144.5	
											146.3	8		147.5	
											148.13	86			
150							<ul style="list-style-type: none"> → 2x1.5cm qtz-carb units. 				149.23	9A			92

HOLE NO.: KC-80-3

PROJECT: Hoodoo

PAGE NO.: 13 of 22

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BEARING:

TOTAL DEPTH:

LOGGED BY:

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	
	silica	sericite	clay	chl/epid												
180							Breccia cont (unit 4A)									
							<p>→ 1cm qtz unit.</p> <p>→ 4cm gouge zone.</p> <p>→ 0.5 carb unit.</p> <p>→ 0.6cm qtz unit.</p> <p>Sand & pebbles</p> <p>→ 1cm qtz-py unit.</p> <p>cave } diorite frag.</p> <p>Reduced to BQ Comp: 35% frags - 40% diorite 30% dacite 30% gneiss</p> <p>→ 1/4 cpy unit</p> <p>→ 0.7cm qtz unit.</p> <p>Bleached zone.</p>									
185							<p>183.7-185.6 - Cave or fault zone - fine sand and small pebbles.</p> <p>186.4-187.6 - Diorite fragment.</p> <p>186.5-186.8 - caving</p> <p>- 65% frags silica-chlorite ± sericite.</p> <p>- 60% of frags > 2mm.</p> <p>190-193.5 - moderate limonite present.</p> <p>* Some of the pyrite has a framboidal texture.</p> <p>192.6-193.2 - Bleached rock - contains chlorite diss.</p>									
190																
195																

strong sericite - weak

strong chl epid moderate

py - lim - (cpy)

mod. chl. mod-str

6-7%

NQ wireline
BQ wireline

HOLE NO.: KC-80-3

PROJECT: Hoodoo

PAGE NO.: 19 OF 22

COLLAR ELEV.:

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TOTAL DEPTH:

LOGGED BY:

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.
	silica	sericite	clay											
195	strona	very weak	mod to str. chl.	moderate to strong	py - cpy - (MoS ₂)		Breccia cont. Unit 4A.							
	strona	very weak	mod to str. chl.	moderate to strong	py - cpy - (MoS ₂)	→ 0.1cm py unit.	196.1 - 198.4 - Intensely brecciated - a lot of chl and epidote - 60% frags. in a dk green matrix		6-7%	196.90	84		195.5	
	strona	very weak	mod to str. chl.	moderate to strong	py - cpy - (MoS ₂)	→ 0.6cm qtz unit.				198.42	97		198.5	91
200	strona	very weak	mod to str. chl.	moderate to strong	py - cpy - (MoS ₂)	→ 1cm qtz-fsp unit.	198.4 - 95-10% frags in a pale green matrix				78			80
	strona	very weak	mod to str. chl.	moderate to strong	py - cpy - (MoS ₂)	→ 0.8cm qtz unit. w py.			4-5%	200.87	85		201.5	
	strona	very weak	mod to str. chl.	moderate to strong	py - cpy - (MoS ₂)	→ 0.7cm py unit.				201.47	88			
	strona	very weak	mod to str. chl.	moderate to strong	py - cpy - (MoS ₂)	→ 0.7cm py unit.	203.5 - 1st sign of clay - alth of fspars in diorite frags			202.69	66		75	
205	strona	very weak	mod to str. chl.	moderate to strong	py - cpy - (MoS ₂)	→ 0.3cm py unit				203.61	30		204.5	
	strona	very weak	mod to str. chl.	moderate to strong	py - cpy - (MoS ₂)	→ 1/4 gauge zone.				205.79	02		65	
	strona	very weak	mod to str. chl.	moderate to strong	py - cpy - (MoS ₂)	→ 1/4 gauge zone.				207.60	86		207.5	78
	strona	very weak	mod to str. chl.	moderate to strong	py - cpy - (MoS ₂)	→ Gauge zone.	Contact @ 210m Unit 0 and Unit 4A.			209.4	78		210	

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SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. CAMP INT.
	Silica	sericite	slay	chl/epid.											
210	moderate to strong	strong	moderate to strong	moderate to strong	moderate to strong	Py - spyl - (MoS ₂)	Pyritic Quartz Porphyry - (Unit 8)	210-221.9 - weak breccia - 5-10% frags - same frags as unit 4A. - decreases with depth. *chlorite moderate to strong around frags. discription - color pale greenish grey - porphyritic texture. - alt'n strong - matrix - crystalline - composition - 10-12% phenos - 5-7% qtz - 4-5% pyrite. - 90% matrix - sericite-silica + minor chlorite. - sericite alt'n very strong. - diss py, epy and minor MoS ₂ - qtz phenos are rounded to subrounded. - numerous H/L py units. - fring mod to strong.							210
210.92							10cm qtz vnt.					78			88
213							0.5cm gouge zone.					94			
213							0.4cm fepar vnt.					38			
213							2cm qtz-chl-py vnt.					33			4E
216							0.3cm py vnt.					64			
216												54			
216												90			87
219												79			
219												90			85
222												77			
222												70			
222												72			79
223.9							to toca	223.9 m				89			
223.9							contact - sharp w a sec. bio envelope on each side 1cm wide.					89			
223.9							223.9-229.4 - Feldspar Hornblende Quartz Porphyry - "Unit 10"					89			NS
225							discription on next page.					89			

BQ wire line

4-5%

1%

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SECTION	ALTERATION				FRACTURING	MINERAL GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.
	Silica	sericite	clay	chl / ep										
225	moderate	v. strong	weak	moderate	weak	Py - Hem (cpj)	<p>Feldspar Hornblende Quartz Porphyry cont "Unit 10"</p> <p>py unit and bleb. 0.3cm qtz unit.</p> <p>Acid test - 56°</p> <p>color greenish grey - f. ting weak - alt'n strong - often obscures phenos. - porphyritic texture - comp - 10-15% phenos</p> <p>- 80% fsp → sericite + minor clay. - 5% qtz - 5% Hbl → sericite + chl. - 1% sulphides - 1% Hem</p> <p>- 85-90% matrix - sericite - silica + chlorite. - sericitic alt'n very strong in both the matrix and phenos. - Hbl phenos have alt'd to sericite and have a tan color. - very weakly structured.</p> <p>contact sharp.</p>	1%	127.36	99		226	NS	
230	moderate to strong	strong		moderate	weak to moderate	Py - (Mo ₂) - (cpj)	<p>229.4M</p> <p>229.4-2425 - Pyrite Quartz Porphyry "Unit 8"</p> <p>Same description as on page 15 - contains minor frags - 1%.</p> <p># Minor limonite on f. ts.</p> <p>* more chlorite than other section of "Unit 8"</p>	3-5%	230.43	95		232	97	
235	moderate to strong	strong		moderate	weak to moderate	Py - (Mo ₂) - (cpj)	<p>0.6cm qtz unit</p> <p>2x 1/4 chl units.</p> <p>2x 0.2cm py-Mo₂ units</p> <p>1cm py-chl unit.</p> <p>0.7cm gouge zone.</p> <p>1cm qtz-chl unit.</p> <p>0.8cm chl-py unit.</p> <p>1/4 py unit.</p>		233.48	B1		235	92	
240									234.97			235	98	
									237.44			238	90	
									239.57			239	95	

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SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.
	silica	sericite	e/lay	chl/cp.											
255	moderate	very strong	very weak (phenos)	mod - str.	weak	py - Hem - (cpy)	2cm gouge zone.	Feldspar (Hornblende) Porphyry cont. "Unit 10"		< 1%	58			256	NS
260	mod to str.	strong		moderate	moderate	py - (MoS ₂)	35° to CA. 259.8m 1cm py mass. 0.7cm qtz unit. 4cm py unit. 0.3cm py unit. 1cm qtz unit. 1/4 chl units. 0.9cm py-chl unit. 2x0.4cm py-chl units. 0.6cm chl unit.	weak schistosity texture near contact. Sharp contact. Quartz - Pyrite Porphyry "Unit 8"		2-5%	100			259	NS
265											102			263	02
270											87			266	91
											90			269	93
											92			269	99
											103				

* Traces of 1/4 MoS₂ units

B.Q wireline

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SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.
	silica	sericite	clay	chl/epid.											
270							<p>Quartz - Pyrite Porphyry cont "Unit 8"</p> <p>* Gradual decrease in pyrite content away from the "Unit 10" - usually fine-grained.</p> <p>* Scattered H/L chlorite units quite abundant.</p> <p>* Fracturing weak - very structureless core.</p>								
							<p>→ 0.7cm py unit.</p> <p>→ 0.4cm py-chl unit.</p> <p>→ Scattered H/L chl units.</p>								
275							<p>Traces of H/L MoS₂ and cpy units - no diss. MoS₂ noted.</p>								
							<p>→ scattered H/L chl units</p> <p>→ trace sphal on fcts.</p> <p>→ 0.6cm cpy-qtz unit.</p> <p>→ 1cm py-chl unit.</p>								
280							<p>cave.</p> <p>→ H/L MoS₂ unit.</p>								
							<p>* Minor limonite on fcts.</p>								
							<p>→ 0.3cm py-chl unit.</p>								
285															

moderate to strong
strong

moderate
weak

PY - MoS₂ - cpy

2-3%

BQ wireline

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SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.
	Silica	Sericite	Clay											
285							Quartz - Pyrite Porphyry cont "Unit B"				77			79
							0.8cm qtz unit. 0.8cm gouge zone.							
							* Numerous H/L chl units							
							288.0 - 1st sign of H/L qtz units. - weakly developed.				95			
							* MoS ₂ units (H/L) becoming more abundant.				95			85
							* Minor limonite along frts.				70			
290							0.5cm qtz unit.				75			
							0.9cm MoS ₂ -qtz unit.				87			81
							H/L gouge zone				82			
295							0.3cm qtz unit.				71			81
							Str. MoS ₂ on frts.				92			
							H/L gouge zone.				53			85
											98			
											96			95
300														

2-3%

BQ Wireline

HOLE NO.: KC-80-3

COLLAR ELEV.:

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SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE RECY / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.
	silica	sericite	clay	chl/epid											
300							Quartz - Pyrite Porphyry cont. "Unit 8"								
	mod - strong	strong	weak to moderate	moderate		Py - MoS ₂ - cpy	* Qtz s/w weak to moderate. - MoS ₂ & cpy associated with the s/w. - average 1mm to 4mm in width. - increasing with depth. 8% sulph - py-cpy. 0.5cm Qtz - MoS ₂ unit. Unit 2 fragment. MoS ₂ content increase towards lower contact. cpy content also increasing with depth. - large to small clusters or masses.		2-3%	300.64	96				
305									4-5%	303.58	94				
	strong	moderate	weak	weak						304.80	30				
	mod	str.	mod	mod						305.7	56				
										307.29	102				
							sharp contact.			307.29					
							"Bughole" Quartz Porphyry Dyke "Unit 9"			307.7	105				
							- creamy white - possibly rhyolite matrix - 5% quartz phenos - rounded. - 4-5% fsp + sericite & chlorite. - subrounded. - numerous py-MoS ₂ units. - Possibly the mineralizing event.			308.7	96				
310							310-310.3 - "Unit 8"			309.68					
							310-311.6m - "Unit 8"			311.20	91				
										312.22	70				
										312.72					
							sharp contact.			312.72	98				
							Quartz Porphyry "Unit 8"			312.72					
315							discip - same as before.			314.25	93				

BQ wireline

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SECTION	ALTERATION				MINERAL GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	
	Silica	sericite	clay	chl/epid										FRACTURING
315	mod - strong	strong	weak to mod	moderate	py - cpy - MoS ₂	<p>Quartz Porphyry cont "Unit B"</p> <p>1cm qtz-cpy unit.</p> <p>* Quartz s/w weak to mod. - cpy & MoS₂ assoc.</p> <p>* Numerous MoS₂ and py units.</p> <p>traces of sphalerite.</p> <p>1cm chl unit.</p> <p>Acid test - 5B</p> <p>0.6cm qtz unit.</p> <p>320.65m End of hole</p> <p>Had to abandon hole due to sand caving plus extreme H₂O pressure.</p>		%	21730	93			317	93
320								229.21	59				77	
								234.49	93					
								240.00	28					
									93					

BQ wireline