

HOLE NO.: 7-26
 HOLE ELEV.: 893.85 GROUND ELEV.: 893.7
 COORDINATES: 5474.11 N. 12704.17 E.
 INCLINATION: -90° BEARING: —

PROJECT: POPLAR
 DATE STARTED: JULY 9/76
 DATE FINISHED: JULY 10/76
 TOTAL DEPTH: 185.3 m

PAGE NO.: 1 OF 13
 REF. TO CLAIM CORNER:
 SCALE: 1 cm = 1 m
 LOGGED BY: BJB

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS: Shading in alteration column = intensity of alteration: : Weak Moderate Strong	AVE CORE REC'Y / HOLE 90%	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.
	CLAY	SOX	SPAL	FR											
0															
							0-0.15 SICK-UP								
							0.15-13.2 OVERBURDEN								
5															
10															
15															

6065 - 13 pages
6065

HOLE NO.: R-24

PROJECT:

PAGE NO.: 2 OF 13

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: FKB.

SECTION	ALTERATION			FRACTURING	MINERAL GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT.	
	SP-14	SP-15	SP-16											
15														
						<p>FELDSPAR PORPHYRY 16.2 - 20.2</p> <p>Regular FP. Fsp phenos still visible, locally vague. Fsp phenos ch'd to ser/clay; grt totally ser'd. Whole texture vague, all prev. sericite. Py diss'd.</p> <p>- between faults, core str. fa'd, intr. of carb filling.</p> <p>Fault.</p> <p>0.1 m str. br^o + gouge.</p> <p>0.15 m str. br^o + gouge of 1 cm ssau C. pyritohedrons.</p> <p>Contact @ 40°</p>		16.2			16.2			
						<p>12.5 - 20.2 Numerous narrow zones gouge + br^o, 1-5 cm. loc.</p> <p>Py-MINERAL 20.2 - 25.1</p> <p>Perthite ser. (clay), white calc, low-magn. plagioclase. Sericite. Sericite all. Py. Py. fine gr.</p> <p>12.5 - 27.2 Fault zone Intense zones of gouge + br^o up to 2 m, up intervening rock strongly broken and fr'd.</p>	9 1/2	17.4	98			98		
							5		97.5				97.5	
								7.4				20.2		
							4			25		21.2	33	
							4					21.45	25	
								28.5				23		
							5 1/2					23.1	73	
										88		25.1		
						<p>FELDSPAR PORPHYRY 25.1 - 64.6</p> <p>As per 16.2 - 20.2, w/ appearance of 10% altered Bi sites, altered to nasty green sericite. Perth. texture quite visible.</p>								
							5		26.5			26.7	32	
										95		28		
							5					28.8	91	
										79.6				
						<p>2mm, carb vls.</p> <p>2mm. Py vls.</p> <p>- 2mm, drusy.</p> <p>0.1 m str. br^o of "puffy" gouge</p>								

HOLE NO.: *R-26*

PROJECT:

PAGE NO.: *3* OF *13*

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: *BKB*

SECTION	ALTERATION				COMMENTARY	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT			
30	<i>FRACTURING</i>				<i>DESCRIPTIVE GEOLOGY</i>	122DSFRK PORPHYRY - CONT'D.	1	32.6	99	NORMAL	31				
	<i>MINERAL GEOLOGY</i>												34	97	
	<i>5 mm Py.</i>										<i>Part 31, clay: sericite ratio increases, ~ 3:2. Clay more pronounced in fspat pheno. w/ carb, ser. restricted to ch'd 10 ft. Hbl. sites. Horn locally dis'd.</i>				
	<i>51.5-34 Horn dis'd etc. Low Py. Tr. Gy dis'd.</i>														
	<i>3 mm, w/ Py.</i>														
	<i>35-35.5 Py w/ < 1 mm, 10/0.5 m.</i>														
	<i>37</i>														
35	<i>FRACTURING</i>					4	35.7	94		37					
	<i>MINERAL GEOLOGY</i>														
40	<i>FRACTURING</i>				<i>WK Py H. @ 60°</i>		6	38.7	100		37				
	<i>MINERAL GEOLOGY</i>				<i>w/ carb, 1 mm.</i>										
	<i>FRACTURING</i>				<i>Miner Py clay FR. @ 70°</i>										
45	<i>FRACTURING</i>				<i>5 cm, w/ chl.</i>		5	41.8	94		40	97			
	<i>MINERAL GEOLOGY</i>				<i>Interq. carb ming.</i>	<i>Part 43, ser. increase in gm. Overall ratio still clays 2:1. Clays restricted to fspat pheno.</i>									
45	<i>FRACTURING</i>				<i>0.3 m bxs w/ chl.</i>		4	44.8	100		40	97			
	<i>MINERAL GEOLOGY</i>				<i>0.1 m str. pebble group</i>	<i>Fract.</i>									

HOLE NO.: *PC-26*

PROJECT:

PAGE NO.: *4* OF *13*

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N.

E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: *813*

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.
	<i>PH. 21.</i>	<i>PH. 22.</i>	<i>PH. 23.</i>				<u>FELDSPAR PORPHYRY - CONT'D.</u>							
							<i>1cm. inf. carb. w/ med. Py-carb.</i>		<i>3 1/2</i>		<i>96</i>		<i>41-54</i>	<i>97</i>
							<i>5cm. inf. ch. gauge. crushed Py.</i>			<i>41.8</i>			<i>41-55</i>	<i>97</i>
							<i>3 cm. carb.</i>		<i>5</i>	<i>50.4</i>	<i>100</i>		<i>41-55</i>	<i>98</i>
							<i>35-50 St. carb. v. med. carb. w/ med. Py.</i>						<i>41-55</i>	<i>98</i>
							<i>35-60 FRIED ZONE Zones of st. gauge & carb. up to 0.5 m, intervening rock exhibits coarse fault br. texture. See st. thru fault zone. Carb. v. med. strongest 35-60.</i>		<i>5 1/2</i>	<i>54.0</i>	<i>94</i>	<i>NONE</i>	<i>41-55</i>	<i>96</i>
							<i>@ 53.3 Avg. frag. 5mm - 15mm, in FP.</i>						<i>55</i>	
							<i>-carb v4.</i>				<i>100</i>		<i>41-57</i>	<i>99</i>
							<i>-clots Py.</i>		<i>3 1/2</i>	<i>57.0</i>			<i>58</i>	
							<i>3cm. of T.C. Py + Carb.</i>		<i>3</i>		<i>97.5</i>		<i>58</i>	<i>98.5</i>
										<i>60.0</i>			<i>58</i>	

HOLE NO.: *P. 26*

PROJECT:

PAGE NO.: *5* OF *13*

CILLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: *B.P.B.*

SECTION	ALTERATION			FRACTURING	MINERAL GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.
	5% CH	CLAY	SEP.										
60						FELDSPAR PORPHYRY - CONT'D.			60			61	
								2	63.1	100		61.5	100
65						63.6 - 65.4 Fault zone. Str. prev. det. Zones up to 0.5 m. str. breccia, minor gouge.		2	66.1	100		64	100
						0.3 m slip zone w/ Py. to Qtz.		2 1/2	69.2	100		67	99
						POST MINERAL NRE 67.6 - 68.2 Pl. gray, trachyte, w/ calcite amyg. Here on slip planes. Tr. calcite amyg.		2 1/2	71.2	97.5		70	98
70						2 cm gouge. 100% white carb cutting coarse carb. w/ 5 mm Qtz sand.		2 1/2	74.2	99		73	99
						5 mm 1cm. Contact @ 70°		2 1/2	77.2			73	99
						0.5m sand on Py vts. 1cm shd Py Carb @ contact.		2 1/2				73	99
						68.2 - 69 Pebble Congl. @ 68.2 0.1 m str. breccia Congl. w/ c Py infilling. Agilita of tan calc layers and m. grayish green calc layers of mottled texture. Locally, Here as disc. and granular aggregates, 10%.							
						BOTITE PORPHYRY (?) 72.3 - 75.5 Fsp phenocrysts crowded, much less % gas than FP above. Also 10-15% bract 10 Bi, att'd to Carb. Fsp phenocr. str. arg'd.							
						ARGILLITE 75.6 - 83.2 - see description next page.							

POLE NO.: R-26

COLLAR ELEV.:

COORDINATES:

INCLINATION:

GROUND ELEV.:

R. E.

BEARING:

PROJECT:

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

PAGE NO.: 6 OF 13

REF. TO CLAIM CORNER:

SCALE:

LOGGED BY: BKB.

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	CLAYS	JEP.										
75						<p>10cm. w/carb. 1/2 cm Ser. covel.</p> <p>3mm. w/carb. 5mm. w/carb.</p> <p>w/ Ser. Py covel.</p> <p>7 mm.</p> <p>11cm. Py. TR. Cpy.</p> <p>Mod.</p>		78.3				76	
						<p>ARGILLITE - CONT'D.</p> <p>Rev. Ser/clay cill's, variable col's cream, grey, or greyish-gm. Mottled texture. Reg Py was 5 vhs w/ great Qtz-set envelopes. - ratio Ser/clay 3:2 (could be reversed). None diss. TR. Cpy diss'd.</p> <p>75.8 Integ. Py vhs w/ 2 coarse blobs Cpy.</p>		97.5				98	
80						<p>78.8-80. Micard zones of str. br'd + minor gouge</p> <p>10 to 5 cm.</p> <p>Br'd w/carb-Py.</p> <p>2cm.</p> <p>gouge + chnk Py.</p>		78.3				79	
						<p>@ random contacts 9.2 m intense gouge w/ 2 cm crushed Py vhs.</p>		100				81	
						<p>CONGLOMERATE 83.2-87.2</p> <p>Both contacts fault contacted.</p>		81.4				82	
						<p>* High sulphide 80. Py veins.</p>						85	
85						<p>14cm.</p> <p>2cm. w/carb.</p> <p>5cm. w/carb.</p>		84.4				86	
						<p>@ lower contact of conglom. - 0.2 m fault w/ 10cm crushed Py vein.</p>		96.6				87	
						<p>ARGILLITE 87.2-97.8</p> <p>Partially argillized, med greyish-gm to light yellowish gm. Mod. staining. H. green-yellow carb and white carb smag. Cr. Py vhs. Sh. Hent diss'd to 10%.</p>		87.5				88	
						<p>1cm white.</p> <p>w/ Py.</p> <p>0.1 m sh. Py. ing.</p>						89	

HOLE NO.: R-26

COLLAR ELEV.:

COORDINATES:

INCLINATION:

GROUND ELEV.:

N. E.

BEARING:

PROJECT:

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

PAGE NO.: 7 OF 13

REF. TO CLAIM CORNER:

SCALE:

LOGGED BY: BLS.

SECTION	ALTERATION			FRACTURING	MINERAL GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.
	SIL'CE	CLAYS	SP.										
97						<p>ARGILLITE - CONT'D.</p> <p>0.1 m shing w/ carb.</p> <p>0.1 m br's</p> <p>91-92.2 Conglomerate bed. Str. predom. over clays. Post 92.2 sh gray to blk. argillite w/ irreg zones of greenish cream silts. (clays).</p> <p>92-94 Sections of br'd argillite ass'd w/ fault below. Also str. irreg carb veing.</p> <p>94-95 Intense br's & broken carb. Post recovery fault.</p> <p>Post 97 clay/br ratio ~ 1:1</p>		90.5			91		
								2		96		91.669	99
									236			94	
								2		42		94.670	99
									26			97	
						5 mm x 2 w/ carb.	<p>CONGLOMERATE: 97.8 - 116.9</p> <p>Contains thin beds argillite. Locally Hem, ass'd w/ faulting. (post. & fract. casting).</p> <p>@ 99 0.2 m strongly broken carb fault.</p>			92.5		91.671	93
100						2 cm gouge.			99.7			100	
						1 cm.				93		91.672	93
						3 mm. w/ Carb.	<p>100.5 - 102.5 Fault cont. Intense broken carb @ 100.7-101 and 101.8-102.0, and str br's (core solid) throughout.</p>					102.7	
								2 1/2		95		91.673	95
						0.2 m br's w/ minor gouge.							

HOLE NO.: 12-26

COLLAR ELEV.:

COORDINATES:

INCLINATION:

GROUND ELEV.:

N. E.

BEARING:

PROJECT:

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

PAGE NO.: 8 OF 13

REF. TO CLAIM CORNER:

SCALE:

LOGGED BY: BKB

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	CLAYS	SER	BI. KSMR.										
125							<p>CONGLOMERATE - CONT'D.</p> <p>105-120 WR - med clay/sst all'g, locally strong reddish col'g, due to prev. Hem.</p> <p>0.3 m str. by 2' w/ minor gage.</p> <p>4 mm.</p>		105.8				104	
								11/2		96			416.74	96
									108.8				109	
								2		98			416.75	98
									111.9				112	
								3		96.6			414.76	96.6
									114.9				115	
125							<p>w/ bits cpy up to 2 min.</p>							
							<p>@ 114.7-116.9 Hatched by 2' sample</p>	1		96.6			416.77	97
							<p>PAST MINERAL DIKE 116.9-118.5</p> <p>Grey dike, w/ small blocky sp. phenos, weakly trachytic. With irreg. carb. vhs.</p>						118	
							<p>ARGILLITE 118.5-124.3</p> <p>Mainly argillized horizons, pale green in colour, fresh patches dk. grey.</p>	2		97.5			416.78	97.5
120							<p>0.3 m str. by 2' @ lower contact like fault.</p>							

HOLE NO.: *PC-26*

COLLAR ELEV.:

COORDINATES:

INCLINATION:

GROUND ELEV.:

N. E.

BEARING:

PROJECT:

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

PAGE NO.: *9*

REF. TO CLAIM CORNER:

SCALE:

LOGGED BY: *EXB.*

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.
120	<i>SH-5</i>	<i>CHYT</i>	<i>SEP</i>	<i>SH-14709</i>	<i>SH-14709</i>		<i>ARGILLITE - CONT'D</i>			<i>121</i>			<i>121</i>	
						<i>5cm gauge w/ 2cm 5/8" P_g int.</i>			<i>2</i>		<i>83.3</i>		<i>124</i>	<i>83</i>
125							<i>TRANSFORMED ARGILLITE 124.3 - 137</i>			<i>124.1</i>			<i>124</i>	
						<i>P_g int. 5mm, w/ 14"</i>			<i>1 1/2</i>		<i>31.6</i>		<i>127</i>	<i>30</i>
							<i>127-133 Part recovery; Broken core + mismatch. Broken section includes, from 130-132, <u>Post Mineral Dike</u>, aphanitic, H. greenish cast, w/ gray amygdules of (?) - red gl₂ or calcite.</i>			<i>127.1</i>			<i>127</i>	
130									<i>1 1/2</i>		<i>46.7</i>		<i>130</i>	<i>68</i>
										<i>130.2</i>			<i>130</i>	
									<i>1 1/2</i>		<i>30</i>		<i>133</i>	<i>30</i>
							<i>Post 133. Mud P_g IT @ 6" in conform.</i>			<i>133.2</i>			<i>133</i>	
135									<i>2 1/2</i>		<i>31.7</i>		<i>133</i>	<i>18</i>

HOLE NO.: R-26

PROJECT:

PAGE NO.: 10 of 13

HOLE ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: BKB.

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.
	SLT. IN	CLAY	SEP.											
135							CONGLOMERATE - CONT'D. 2x7 mm, calcite. Bedding constant @ 70° CA.			138.2			136	
							ARGILLITE 137-150.8 45 pct 118.5-129.3 Clay/sep ratio - 2:1 to 3:1 7% Sep dis's'd in wt. Py vts. 5 cm sh. br'd + gouge.		3 1/2		91		114.60	90
							4 mm. w/ mica 74. 2 cm br. @ 50° w/Py.		3	139.3			139	
140							137.4-142 Fracture zone. Some pieces exhibit br. texture. Fault? Narrow bed conglomerate 142.5-142.8 Contact w/ argillite @ 142.5 is 60° CA.			140.3			142	
							142.8-143.3. FP Dike. Part 8' Sect. Py. Silt clay after upper phase 5% dis's'd Py. 0.1 m sh. + gouge w/ 5 cm sh. Py vts. - wk. mod Py H 70-90.		4 1/2		95.6		145	
145							4 mm			145.4			145	
									4		95		146	95.2
										146.4			146	
150							3 cm sh. imp.		4 1/2		100		146.83	99
							149-150. Sed. more granular; also increase sep							

HOLE NO.: R-26

COLLAR ELEV.:

COORDINATES:

INCLINATION:

GROUND ELEV.:

N. E.

BEARING:

PROJECT:

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

PAGE NO.: 11 of 13

REF. TO CLAIM CORNER:

SCALE:

LOGGED BY: BJB.

SECTION	ALTERATION			FRACTURING	MINERAL GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.
	SP	CLAY	SER.										
150						<p>ARGILLITE - CONT'D.</p> <p>POST MINERAL DIVE 150.8 - 151.5</p> <p>As per 116.9 - 116.5 w/ str. carb. vining.</p> <p>ARGILLITE 151.5 - 153.8</p> <p>As per 137 - 150.8</p> <p>shd Contact @ 50°.</p> <p>CONGLOMERATE 153.8 - 160.6</p>						15	
155						<p>Red joint mineral dikes, chlorite ratio 2:1 to 3:1</p> <p>155-157 Only about 0.2 m very broken core present.</p> <p>Tube did not lock. Possible fault(?)</p> <p>? Possible fault.</p>						150	95
160						<p>shd by wt. 1cm.</p> <p>7cm str. by gauge.</p> <p>Contact @ 40°.</p> <p>sh. w/ 2mm Gyp.</p> <p>Strong argillitic alteration after 15par phenos and w/ ss in gm. Texturally intact, matrix Bi + Hbl + visible, and to chlorite.</p>						160	99
165						<p>Gyp</p> <p>Gyp.</p> <p>2 cm str. by gauge.</p> <p>160.4 - 165 str. by gauge Fault.</p>						165	99

HOLE NO.: PC-26

PROJECT:

PAGE NO.: 12 OF 13

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: BKB

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
	SH	CLAY	JFR	SP											
165					Mod.		<p>FELDSPAR PORPHYRY - CONT'D.</p> <p>Includes 1cm sh + Py.</p> <p>5cm sh + br's.</p> <p>POST MINERAL QUARTZ FELDSPAR PORPHYRY 166.4 - 167.9</p> <p>1.1m sh gouge.</p> <p>167 - 167.5 Intense gouge - fault.</p> <p>LOWER contact dikes Post. @ 50°</p> <p>FELDSPAR PORPHYRY 168.4</p> <p>18' from 167.9 - 168.4 Conglomerate.</p>				99	166	100		
170					Mod.				1 1/2	167	100	169	100		
175					Mod.				3	169.8	100	172	100		
180					Mod.				1 1/2	172.8	97.5	175	98		
185									3	175.9	97.5	178	97.5		
190									3	178.9		181	94		

Sh. thin + br's up to 172.6 @ 50°. Post 172.6, Fsp + porph only wk-mod. argillized, tan color, matrix appears. Late solid, w/ly fract'd - lacks shearing and faulting as above. Decrease in Py.

2cm Conglomerate Post. @ 50°

Xenolith?

Sh + sulphides (Py) on minor slips.

NRPWL

HOLE NO.: 12-26

PROJECT:

PAGE NO.: 13 of 13

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: B.L.B.

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	CHALC	SERP	SP-ASPAR											
180							COMMENTS: DESCRIPTIVE GEOLOGY FSPAR PORPH - CONT'D. Gyp inter.								
									3		93		NORMAL	181	93
														182	
														183	
									3		93			1700	72
														185	
														185.3	

HOLE NO.: PC-25

PROJECT: **POPLAR**

PAGE NO.: 1 OF 12

COLLAR ELEV.: **901.5** BENCH ELEV.: **901.3**

DATE STARTED: **JULY 6/76**

REF. TO CLAIM CORNER:

COORDINATES: **6206.46 N. 11695.78 E.**

DATE FINISHED: **JULY 7/76**

SCALE:

INCLINATION: **-60°** BEARING: **565° W**

TOTAL DEPTH: **196.9**

LOGGED BY: **DBC**

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS: <i>Shading in alteration column = intensity of alteration:</i> Weak } Moderate } Strong	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. CORRECTED	
	SILICA	CLAY	SERPENTINE	POYASIC												
30								0.0 - 0.20 STICK-UP	95.1							
								0.20 - 32.3 OVERBURDEN								
33							3 small nodules LI zone	BIOTITE PORPHYRY - pervasive 20 BI leading mottled texture of smoky black matrix and f-mol. ground (mainly) also xyls (40%) where fresh (patchy), darkish BI = 7% (H ₂ included in matrix s.s.s = g. disc BP) - equigranular - microhedral, actually at least - 60% of 1.0 diameter - in rare pitch zones of coarse ss, silification dominant with 20 BI			50		100		22.2	
							-5mm									
36							mostly 1-2 mm 'baggy' q.vite. & no hard vit. fairly dense but unobtrusive				25.3					
							- v. fine clay (siliceous)	32.3 very broken up				95.4				
							6mm q.v.				60	37.5				
							4mm 2° BI vit.									
39												103				
							pink zone of intense 20 BI (C-Q.)									
											60	10.7				
												95.6				
42																
											42.4					
												95.2				
											50					
											4.05					
							150 = 2° BI blpale 3 2-3 mm									

6065

HOLE NO.: P-25

PROJECT:

PAGE NO.: 2 OF 12

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: DBC

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	CLAY	SEKITE											
45							BIOTITE PORPHYRY CONT (potassic (2 ST) alteration) - good MoS ₂ - broken core		50	466	75.2		45	87.6
48							baggy, fine fly vls.				79		48	
							- 1/2" BT		35	499			48	82.4
51											85		51	
							2-3mm vls. - 5mm - 2mm		25	532			51	81.0
54											80		54	
									25	561			54	82.4
57							1/2" spot goethite veins & spots of MoS ₂				88		57	
							1mm vls? relatively cso scattered						57	
									30	685			57	89.5
58							- 2-4mm Q. veins permeable, intense Q-vein alteration						58	

NONE

MOLE NO.: 00-25

COLLAR ELEV.:

COORDINATES:

INCLINATION:

GROUND ELEV.:

N. E.

BEARING:

PROJECT:

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

PAGE NO.: 3 OF 12

REF. TO CLAIM CORNER:

SCALE:

LOGGED BY: DBC

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT.	
	BIOTITE	CLAY	TEPHERITE												
60							<p>BOHITE PORPHYRY CONT</p> <p>- 1.5 metre loss; poor recovery footage is resolved with no interval present for 60.5-62</p> <p>- small, well broken core after 62.9</p>								
63						<p>63 -72+ - strong to intense pervasive Quartz, sericite with and patchy massive to waxy pervasive pyroxene with well defined chlorite with little hematite after 55</p>		25	62.8	51			55	41596	
66						<p>N.B. - gypsum vhs (after pyrite zone) - crossed previous structure</p>		25		91			91.5	41597	
69									65.6				99	41598	
72									68.9				99	41599	
75									71.9				99	41600	
78									75.0				99		

HOLE NO.: 4000

PROJECT:

PAGE NO.: 4 OF 12

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: DBC

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	CHLORITE	SERICITE	Pyrite											
75							BIOTITE CORPUSCULAR CONT	FRONT zone: 5mm pebbly frag. 5mm w/lt. black sulfidochalco shears		25	76.6		75		
78							2mm cherts 4cm fract. quartzite in BI			25	78.0		78	96.6	
81							qtz-sericite VN 2mm qtz 1cm ser arsenite, 2cm arsenates			25	99		81	99	
84							fine py C. cement BI 5mm			25	99		84	99	
87							arsenite vesicle (near vertical contact)			25	84.9		87	94.6	
90							cloudy f.g. 2BI 5-8mm q.v.s.			25	87.2		90	86.5	

NORMAL

HOLE NO.: PC-25

PROJECT:

PAGE NO.: 5 OF 12

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: DEC

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	CLAYS	SERICITE	POTASSIC												
								— 2 gypsum								
	DESCRIPTIVE - GEOLOGY															
90							1cm CB 2cm Q.V. dense 2-3mm R.V.S	BIOTITE PORPHYRY CONT		25	922					
							2cm w. Q.V.					76.6			75.9	
							waxy 2mm CB v.									
93							25mm CB vH.									
								- 940 FRESH BP		15	933				73.5	
96							4mm CB } "ARMILLAR" FP 3mm 2-3mm Q.V.	usual potassic bleaching around vlt.								
							fine 34p vHs									
97							2mm 2mm 34p-CBV									
							5mm chlorite attn			15	943				76.1	
							5mm Q.V. 5mm Q-CBV - 1cm									
102							3mm 1cm wide									
115							5mm			30	972				74.9	

HOLE NO.: PC-25

PROJECT:

PAGE NO.: 6 OF 12

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: DBC

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	CLAYS	SERICITE	ACTINOLITE										
105							BIOTITE PORPHYRY COMPLEX "FRESH" fine grained, cut previous structures		25	1025			105	
108						7mm Q.V.S. 1cm			25	1085			108	
111						4mm O 3mm Q.V.S.			17	1116			111	
114						matrix has some popcorn intergrown acicular plagioclase			20	1146			114	
117						5mm Q.V. 5mm O 5mm 5mm 4mm 5mm 5mm 5mm			22	1177			117	
120						5mm 5mm							120	

NOML

HOLE NO.: R-25

COLLAR ELEV.:

COORDINATES:

INCLINATION:

GROUND ELEV.:

N. E.

BEARING:

PROJECT:

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

PAGE NO.: 7 OF 12

REF. TO CLAIM CORNER:

SCALE:

LOGGED BY: DBC

SECTION	ALTERATION				MINERAL GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	
	OXID.	CLAYS	CHALC.	POSSIBLE										DESCRIPTIVE GEOLOGY
125						<p>late or pyrophyllite? white soft (some) clots.</p> <p>g vtr (w. ex. clay)</p> <p>3mm</p> <p>5mm</p> <p>4mm</p> <p>CB veins divide displaced & v. ill. % CB after qtz</p> <p>127 good MnO₂ veining</p> <p>134 good MnO₂ in q.v.</p>	15	120.7	96	15	120.7	100	120.7	95.2
123							15	123.2	95	15	123.2	123.2	95.2	
126							18	126.2	100	18	126.2	126.2	97.7	
129						<p>SL-BAITE COV.!</p> <p>4cm wide & blob</p> <p>5mm</p> <p>2-3mm</p> <p>carb stringer 3mm x 2cm</p> <p>25cm w. av.</p> <p>8mm qv</p> <p>5mm</p> <p>dry CB with qtz over 20cm section</p> <p>4mm clay blebs</p> <p>7mm</p> <p>7mm qv with assoc. clotty breccia-ch</p>	18	129.2	91	18	129.2	91	129.2	91
132						<p>It brown waxy greenish matrix to strong a (formation (pyrophyllite) (is possible))</p>	17	132.4	91	17	132.4	132.4	91	
135							17	135.0	91	17	135.0	135.0	91	

SOLE NO.: PC-25

COLLAR ELEV.:

COORDINATES:

INCLINATION:

GROUND ELEV.:

R. E.

BEARING:

PROJECT:

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

PAGE NO.: 3 OF 12

REF. TO CLAIM CORNER:

SCALE:

LOGGED BY: DBC

SECTION	ALTERATION				MINERAL GEOLOGY	COMMENTS:	AVE CORE RECY / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% RECY. SAMP. INT.
	SILICA	CLAYS	SERICITE	POTASSIC									
135						<p>1 - gypsum</p> <p>1 - sulphate - chlorite vlt</p> <p>BIOTITE PORPHYRY CONG</p> <p>attention - as described on p. 7</p> <p>is virtually continuous up to the fault</p>		356				35	
138						<p>1 - gauge FAULT</p> <p>3cm w solid zone</p> <p>1cm q-cov</p> <p>6mm q.v.</p> <p>q-cv - unknown white, had some fibrous mat.</p> <p>patch of intense tech. secondary argillic alt'n</p> <p>9cm q.v. 2-6mm</p> <p>FAULT</p> <p>q.v. envols 1cm w.</p> <p>1.2cm w.</p> <p>3mm</p> <p>fine q.v. alt. fussy q.v. 3mm H₂O an halos</p> <p>blotchy 2-3 BI</p> <p>5mm q.v. v.</p> <p>2-6mm</p> <p>2mm</p> <p>3mm</p> <p>smokey q.v.s.</p>		387	78			38	76%
141						<p>argillic zone</p> <p>plugs in clay matrix</p> <p>plugs in clay matrix</p> <p>plugs in clay matrix</p>		401				41	100%
144								417				44	101
147								442				47	95%
150								498				50	100%

HOLE NO.: RC-25

PROJECT:

PAGE NO.: 9 OF 12

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: DBC

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE RECY / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% RECY. SAMP. INT.
	SILICA	CLAYS	SERPENTINE	HYDROLYSIS											
150								<p>— = gypsum vlt — = chlorite-sulphate (-sulfate) vlt</p> <p>fresh bleached zones</p>							
53								<p>tan yellow past axial clef; trachytic to round 1.5mm vesicles are filled with transparent fluid soft and (1.5-2%) = sulphate?</p>		151.2	101			1626	102
16								<p>bleached - the absence of branching vlt is to promote (1500) phenol and distal vlt phase of the vlt is effect is seen when fresh.</p> <p>the branching vlt is more pinkish somewhat waxy in gross to green brown alteration. White vlt are likely present + sericite* and possible in cases carbonate around mass is more abundant where it forms a fairly dense 4' dirty envelope. Fine calcification seen that does not appear to be mag. be superficial limonite stain</p> <p>* bionic evidence shows fairly conspicuous sericite about fractures; clearly a coarsening of gross with partial to considerable sericite must be present in the alteration assemblage. often in particularly stained (as are CB vlt)</p>		154.2	101			1627	102
13										157.8	101				
12										160.8	101				
10										163.1	101				
8										163.1	101				
6										163.1	101				
4										163.1	101				
2										163.1	101				

HOLE NO.: 12-26

PROJECT:

PAGE NO.: 10 OF 12

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: DBC

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS: <p>— — Gypsum - - - - - sulfide - chlorite etc</p>	AVE CORE RECY / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% RECY. SAMP. INT.
	SILICA	CLAY	CHLORITE											
165						<p>2.5cm w. q.v. rich in HE (2 p.p.). Dense sericite envelopes (1.24 cm)</p> <p>sericitic stage into CB</p>				12	100		165	
168						<p>drusy, ce u.s.</p> <p>sericite</p>				17	100		168	97.6
171						<p>drusy, ce u.s.</p> <p>sericite</p> <p>some qtz occurs in some places in some places</p> <p>drusy, ce u.s. coated q.v. - 1cm wide</p> <p>drusy, ce u.s. 1cm w. Amm. clots of HE within 100% sericite</p> <p>tan-yellow post-min. v. cl. cl. CB clotted amygdalites</p> <p>3mm sericite envelope</p>				22	92.5		171	92.5
174						<p>drusy, ce u.s.</p> <p>sericite</p> <p>drusy green & green. white wavy, bluish - brown or lemonite stained sericite</p> <p>sericite envelopes about 1/4" dense sericite</p>				13	93		174	90.0
177						<p>drusy, ce u.s.</p> <p>sericite</p> <p>sericite envelopes (white) about 1/4" sericite with quartzite with fine chlorite in q.v. (5mm)</p> <p>drusy, ce u.s.</p> <p>clot in vein of dense prismatic bleached q.v. made with qtz</p>					79		177	91.5
180										1.5	100		180	

NIPAL

HOLE NO.: 11-25

PROJECT:

PAGE NO.: 11 OF 12

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N. Z.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: DBC

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	CHALCOPRITE	OTHER											
185						BIOTITE PORPHYRY CONT. - sericitized, \pm CL \pm 2, 3, 4 - PI gone				180		185	100	
183									187			183	100	
186									181			186	99	
189						1.2cm drusy cavity with good sericite development at fine linear slots of SU-HE.	189.1 TERRAS		188			189	97	
192						drusy qz 4mm drusy 2mm q-sul 5mm veining scattered q-sul vhs. 3mm 1cm av.		30	190.8			192	97.6	
195						BRACCHIA VEIN: - few remnant BP grains (limonitic); CB as drusy cavity fill (abundant voids of 2-7mm); and metallic sulphate-oxide constituting about 40% of the vein mat'l - HE: 20, Py: 12, MnS_2 : 8 - fairly sharp planar contact at shallowest end; deepest end is somewhat irregular but sharply bounded by 4mm quartz vein strong sericite development at this contact. - sulphides intergrown, blobby py up to 2mm diam. irregular HE - interconnecting breccia mass < 1cm (often 0.5mm)		20	183.9				195	180

NANU

HOLE NO.: P-25

PROJECT:

PAGE NO.: 12 OF 12

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: DCB

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	CLAYS	QUARTZ	BIOTITE											
195								BIOTITE PORPHYRY CONT phs. 10-15% of hole							
								196.9 - end		25	186.9	76.0	NARROW	195	76.0
198														196	76.0

PROJECT: ADPEAR LAKE
 DATE STARTED: JULY 31/76
 DATE FINISHED: JULY 4/76
 TOTAL DEPTH: 214.6 m

PAGE NO.: 1 OF 15
 REF. TO CLAIM CORNER:
 SCALE: 1 cm = 1 m.
 LOGGED BY: BKB.

BLANK ELEV.: 911.7
 GROUND ELEV.: 911.5

C ORDNATES: 5993.09 N. 11373.84 E.
 DIP ANGLE: -60°
 BEARING: 090°

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS: Shading in alteration column = intensity of alteration: : Weak Moderate Strong	AVE CORE RECY/HOLE 95	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% RECY. SAMP INT.
	SIL	CLAY	SEP.	ASTHENSIC											
0								0 - 0.20 STICK-UP.							
								0.20 - 6.71 OVERBURDEN.							
5															
10															
								ARGILLITE 6.71 - 79							
								Minor calcite as ff.							
								Mod. gray calc., hornfelsed argillite. Silica parv. locally, minor Qtz vring, mod. cream calc carb. vring, also quartz carb vring. White carb as ff. to Bi minor along Fd's and locally pervasive. Yellowish gray sec. as narrow envelopes (1 mm) on Fd's, and locally pervasive.							
								6.7-11 Mod. broken core.							
								Mod. on Fd.							

6065

HOLE NO.: *PC-24*

PROJECT:

PAGE NO.: *3* OF *15*

COLLAR ZLEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: *BKB.*

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y	SAMP. INT.	
	SiO ₂	CLAYS	SER.													ARGASSE.
30							<p>ARGILLITE - CONT'D</p> <p>Argillite v. h'd. dense. 2° Bi in F₂ and also locally pervasive.</p> <p>1mm, Mt-Py-Gpy. @ 33.3 bedding obs'd @ 25° CA.</p>		2 1/2		98			31		
									1 1/2	32.3				32	95	
35							<p>2° Bi along bedding.</p> <p>bedding @ 35° CA.</p> <p>35- Bedding clearly obs'd. In places, 2° Bi as selective replacement along favourable beds. 2° Bi also as clots up to 2-3 cm, and as fl. Strong sil^{ic} pervasive, wk. mod gr. v.ing.</p> <p>Core broken, 37-43.</p>		2 1/2	35.4	93			34		
									3 1/2	38.4				37		
40							<p>Minor H. of carb, Qtz (w/ Py) and 2° Bi, but difficult to obtain structure bco. broken nature of core.</p> <p>Clot 2° Bi, 1cm x 4cm @ 30° CA.</p> <p>2cm, Carb-Ser. Ser. v. coarse, micaceous Py.</p> <p>2° Bi clots // bedding @ 35° CA.</p> <p>1cm Qtz-Kspar w/ (Py-Gpy-Mt.Ss)</p> <p>1cm carb-Gyp?</p>		3 1/2	41.5	89.3			40		
									2 1/2	44.5				43		
45									2 1/2	44.5				45		

HOLE NO.: R-24

PROJECT:

PAGE NO.: 4 OF 15

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARINGS:

TOTAL DEPTH:

LOGGED BY: BKS.

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
	SLIC	CLAYS	SER	BIASSIC												
45							ARGILLITE - CONT'D.									
							<p>0.2% vms w/ Kspat envelopes.</p> <p>Up to 50, as above, minor gte vming, pervasive sil¹⁰, strong 2° Bi locally as clots along bedding. Minor Kspat envelopes. Mod set as fl.</p> <p>51.20 Bi along bed.</p> <p>Set as fl.</p>		3 1/2	47.5	100		46			
50							<p>100% Alx-Carb-Cpy-Py-Mix.</p> <p>Post 50, increase in gte vming, set, waxy gms, strong perv. as well as fl. decrease in 2° Bi.</p>		3 1/2	50.6	98		48			
							<p>3 cm gte vms w/ c. blobs cpy.</p> <p>Strong carb-ser ass⁴ w/ sil¹⁰.</p> <p>52-54 Abundant, 1-2 mm, talc fl., irregular, white, & soft, soapy.</p>				102		52			
							<p>1.2m MoS₂ - (Cpy) Strong MoS₂ vms.</p>		3	33.6			53			
55							<p>Set as fl.</p>				98		54			
							<p>1/2 cm gte-carb.</p>		3	56.7			56			
							<p>1 cm gte-Cpy-Py-MoS₂.</p>		3 1/2	59.7	98		57			
60											97.5		58			

HOLE NO.: PC-2A

PROJECT:

PAGE NO.: 5 OF 15

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N. 2.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: BKB

SECTION	ALTERATION				FRACTURING	MINERAL GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	
	SK	CLAY	SP	PLASIC											
60							ARGILLITE - CONT'D.								
					Strong		812. ms. w/ carb.				97.5		61		
					Strong		Past 62, Alt's assemblage is Ser-CHL, qtz was v. minor. CHL ass'y of shearing.		4	62.8			62	41534	97.5
					Strong		62-66 Discontinuous zones of sh-ing and br'g. CHL @ 10°C.						64		
					Strong		Irreg. carb vining in sh. zones.				91.5		65	41535	98
					Strong		Ser-CHL alt's assemblage persists post shear zone.		4	65.8			67		
					Strong		Pg-CHL.						69		
					Strong		Abundant carb vining - irreg.		4	68.9			70	41536	99
					Strong		1cm Carb - qtz - GY-Pg.				100		71		
					Strong		Alt was @ 30°C in good GY-Ms2.		4	71.9			72	41537	100
					Strong		Dec. white br. wt, 1-2 mm, @ 30°						73		
					Strong				3		100		74	41538	100
75										71.9					
										99					

HOLE NO.: R-24

PROJECT:

PAGE NO.: 10 OF 15

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: BCB.

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. CALCD INTY
	SLT IN	CLAY	SER.											
135							BIOTITE PORPHYRY - CONT'D. 1 1/2 cm Qtz-carb-Grp. 2cm br'd + gouge. Post mineral dikes @ 400 CA. Carb flooding - irregular. 5cm br'd + minor gouge. Minor fault.		1	135.9	99		135	98
140							137.3-138 Post mineral dikes, 10% grey carb. amygd., 1-2mm also 10% ch'ts yellowish-grey mineral (?). Matrix beige w/ greenish tinge, aphanitic, strongly arg'd.		1/2	139.0	98		138	98
145							Strong Qtz veing w/ good Grp. Mod br'd + sh-ing w/ St. Carb veing 30-40%		3/4	142.0	97.5	NONE	141	97
145							Grp asst. 2 x 1 cm, sh'd Carb-Qtz w/ chl. gouge. 2.1cm Qtz-Carb w/ Grp. R-Mos.		1	145.1	96.6		144	99
150							Grp-R wt. 61mm. Minor slips w/ chl.		3/4	148.1	100		147	100
150										100			150	

HOLE NO.: DC-24

PROJECT:

PAGE NO.: 12 OF 15

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N.

E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: BKB.

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP INT.
	SiO ₂	CLAY	SER.	SI - COPPER											
165							<p>BIOTITE PORPHYRY - CONT'D.</p> <p>164.4-164.6 Pre-min. dike @ 40° CA. "Salt and pepper" textured, 60% flaky biotite, alt'd to ser., in inter-growth of clay (?) - sericite. Min'd inf Cpx vhs and diss'd.</p>		3/4	166.4	99		165	165	98
170							<p>Post 171, BP takes on darker greyish gm hue, due to increase in fine flaky Bt in gm, also relative decrease ser/clay. Abundant quartz in gm 10? or 20. Flaky Si 10? 20? Question strength of 2° Bt shading in alt's column.</p> <p>Miner slips. — increase in clays in fspat adjacent.</p>		1/2	169.5	98		168	170	99
175							<p>Thin sections of <u>Intrusive Breccia</u> @ 171.3-172, 172.4-172.5, and 173.1-173.5 Angular to blocky frags of regular BP, strongly seric' w/ mod. str. Cpx diss'd and vhs. Interstitial material porphyritic in fspat and Bt 10% combined, set in fine gr'd biotized gm. Sp. vhs in interstitial material. One Cpx vht obs'd x-cutting both intrusive frag and interstitial material.</p> <p>18 - Barnitz</p>		3/4	172.5	100		171	175	97
180							<p>Str. br'd. Intense clay after fspat</p> <p>1cm.</p> <p>1mm P₂ vht of sericite obs'd. 1cm obs'd w/ v. coarse 10-3 and black Cpx.</p>		1	176.6	93		174	180	92
							<p>Fault.</p>		1 1/2	178.4	90		177	180	90

HOLE NO.: *PC-2A*

PROJECT:

PAGE NO.: *13* OF *15*

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N.

E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: *BEB*

SECTION	ALTERATION			FRACTURING	MINERAL GEOLOGY	COMMENTS:	AVE CORE RECY / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% RECY. CLAIM INT.
	SLIM	CLAY	SP										
180						<p><u>BIOTITE PORPHYRY - CONT'D.</u></p> <p>2cm, Qtz - (carb) - TR. Gp.</p> <p><u>Intrusive bx @ 182.2-182.4 and 182.7-182.8</u></p> <p>Intr. bx:</p> <p>Past 183 Strong tan waxy green sericite, with 10 Bi spots visible, also sericitized. Qtz ming mod-st. locally parv. siliceous Qtz at as envelop. Core has overall H. grey color. Notable increase in carb ming.</p>		3/4	181.1	90		180	
185						<p>1cm, w/ carb</p> <p>Pg VH.</p> <p>1cm gouge.</p> <p>5cm, Carb - Qtz</p>		1/2	182.7	93		183	
190						<p>Mod. st. Cpy - Py - H.</p> <p>1/2 cm, Cpy - Hem - (Py)</p> <p>5mm, w/ coarse Cpy</p> <p>1/2 cm, Qtz - Sulphide (Cpy - Py) struct.</p> <p>5mm, Qtz - Carb.</p>		1/2	182.8	96		186	
195								1	190.5	98		189	
								2 1/2	193.9	97.5		192	
										96.6		195	

HOLE NO.: R-2d

PROJECT:

PAGE NO.: 14 OF 15

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N.

E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: SKB.

SECTION	ALTERATION			FRACTURING	MINERAL GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y
	SPIN	CLAY	SER										
195						Py-Gy, <1mm, as H.						195	
						BIOTITE PORPHYRY - CONT'D.						41579	9%
						Post 196.5, gray to cast superimposed on H. yellowish gray perv. sericite, attributed to increase in Py associated w/ area Q-Ser alt., also strong disst. Here up to 10% Gpy: Py variable 3:1 to 1:1		1 1/2	96.9	96.6		198	
						All sulphide (Gpy-B) @ 197 0.1 m intense gouge. Altitude uncertain.				101		41580	10%
200						1/4 Py. 6mm.		2	100.0			20	
						5mm. w/ ch.						41581	9%
						1mm. Gpy-Py. 2cm.		2	200.0	96.6		22	
						Post 205.8 M. dk. gray sp. Silica locally intense perv. as well as vlt, lighter sections where perv. ser pred. over pervasive silica. 2% Bt f. strong throughout section as clots and disst. plates comprising up to 30 modal percent. Mod. ksp. at vlt. and envelopes Gpy-Py as H. Good disst. Minor Hem. Mt disst. 1-2%. Bt also at H. Minor Gyp vlt.						24	
205								2 1/2	206.0	96		26	
												41582	9%
												27	
												41583	9%
						Gyp vlt.		2	209.1	94		29	
						1mm ksp. vlt. X-cut by Q-Ser-Gpy w/ 5mm.				97.6		210	

HOLE NO.: *PC-24*

PROJECT:

PAGE NO.: *15* OF *15*

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: *SLB*

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.
210	<i>SLN</i>	<i>CLAY</i>	<i>SEP</i>				<i>BIOTITE PORPHYRY - CONT'D.</i>							
							<i>5mm w/carb.</i>		<i>2/2</i>				<i>210</i>	
							<i>5mm.</i>	<i>Part 211A - Core broken. Cpy + Rq on FR. Surfaces.</i>		<i>2121</i>	<i>97.5</i>		<i>213</i>	<i>94</i>
							<i>Repair Sealing on FR.</i>						<i>213</i>	
							<i>1mm Syp.</i>		<i>1/2</i>		<i>86</i>		<i>214.6</i>	<i>86</i>
							<i>2mm Carb. & Ssp w/ Rq - Cpy.</i>			<i>214.6</i>				
							<i>w/ SYP on FR'S.</i>							
<i>214.6</i>							<i>END OF HOLE @ 214.6</i>							

PC-23

909.73

GROUND LEVEL: 909.6

5998.25 r. 11587.10 z.

DIPLACEMENT: -90°

SCALING: —

SITE: BOPEAR

DATE STARTED: JULY 1/76

DATE FINISHED: JULY 2/76

TOTAL DEPTH: 206.4 m

PAGE 011 OF 14

REF. TO PLAIN CORNER:

SCALE: 1 CM = 1 m

LOGGED BY: PBC

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS: Shadings in alteration column = intensity of alteration: Weak Moderate Strong	AVE CORE REC'Y / HOLE 91.4	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT.
	SILICA	CLAYS	EPIDOTE	AMPHIBOLE											
0							0.0 - 0.13 <u>SINK-HOLE</u>								
3							0.13 - 6.7 <u>OVERBURDEN</u>								
6															
9							vuggy, colloform CB - clay zones w. HE - 2mm eq vit - CB coated fract-elt - 2mm sphal. vit (in CB) chs coated - 6mm eq vit (in CB) - intense chng - pebbly gouge 3mm eq vit.	BIOTITE - FELDSPAR PORPHYRY (or 'ARGILLIZED' BP) * coarse grained plagi (2x4 to 3x7mm) = 55% coarse gr. BI (boothish - 2x2 to 2x3mm) = 5% plagi is bleached white or waxy green (sand). *matrix is lt brown and fine grained (scattered fine mafic specks) and hence the appearance as BFP rather than BI. However BI is frequent and boothish & 'argillized' BP disc ngle .5 - 1% (HB'd)	65	2.29	100		41474	100	
12							123 -13.7 FAULT ZONE: clay gouge, pebbly partings (5mm diam) * intense fracturing			05	11.3	101	NONE	41475	99.4
15										10	14.3	99		41476	95.2

6065

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	CLAYS	SERICITE	ACTINOLITE											
5															
8							<p>9mm clay coated</p> <p>6cm wide fault zone</p>	<p>Amphibole actin :- 60% (plag)</p> <p>sericite :- 40% - fine, beads, ser. (matrix)</p> <p>BIOTITE - POLDSPAR PORPHYRY CONT.</p> <p>- alteration not severe where faulting is minimal, texture is excellently preserved for most part.</p> <p>- Sericite & wavy green plag + matrix actin (withy 'beady' qtz)</p> <p>- 1-2% mgtc (Hbl) or more</p>		5	99		15	98.5	
21						<p>3mm</p> <p>4mm</p>	<p>sericite is observed clearly by 3micr. plag is partly invaded by q beads as well as containing observable sericite</p>			17.3	97		18	97.6	
24						<p>3mm</p> <p>4mm</p>	<p>BI and lites then disappear's result is decimate of quartz for the interval (BPP after) clearly!</p> <p>- some (FAULT)</p> <p>- Sericite of BI evident (blumen)</p>			20.4	100		21	100.2	
27						<p>4mm</p> <p>3mm</p>				10			24	100.0	
30						<p>5mm</p>				23.6			27	97.7	
										40	98		30		
										26.5					
										7.5	96.4				

NO ME

RPT. NO.: FC-23

PROJECT:

PAGE NO.: 4 OF 14

DRILLER ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: DBC

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	CLAYS	SERICITE	FELDSPAR											
45								BIOTITE FELDSPAR PORPHY (sericitized) texture well preserved		0.05		100		41487	99.8
48								5mm qtz, FAULT gouge			47.8			41488	96.6
51										0.05		96.6		41489	91
54										0.05		91	NONE	41490	100
57								7mm, 1cm, py-cd vit encl by atq 21cm width, pre-mineralized - sandy text - fine interwoven clay g'mass & plat phenor (V. con = 8%)						41491	92
60								gauzy fault: broken rock possibly cross-bedded green clay med. 2-5mm diam. 4-10cm 7mm width		0.15		92		41492	

HOLE NO.: R-23

PROJECT:

PAGE NO.: 5 OF 14

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: DBC

SECTION	ALTERATION				MINERAL GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.
	SILICA	CLAYS	SERICITE	POTASSIC									
60						<p>BIOTITE FELDSPAR PORPHYRY CONT.</p> <p>≥ 3% mate. (up to .05 mm diam)</p> <p>CPY in qtz vles (continued)</p> <p>sharp NE (sheared) vein between strong clay-sericite alt. and moderate alt. base known as dark rock</p>	3		96.6			41492	96.6
63						<p>shatter zones crumbly, post-weathered pitted texture where plan has been 'excavated' by soil</p>	65.1		99			41493	99
66						<p>4mm py</p> <p>FAULT zone</p>	66.1		96.6		NONE	41494	96.6
68						<p>2-3mm qtz</p> <p>cherty frag.</p> <p>8mm</p>	69.2		101			41495	100
72						<p>72.7</p> <p>irreg. lcm purple andesite dikes</p> <p>sharp blocky 2x4mm plg phenos (45%) in dense purple giness (with crystallized matrix)</p> <p>Purple Feldsp. py</p>	72.2		97.5			41496	97.7
75						<p>BIOTITE FELDSPAR PORPHYRY PURPLE DITE</p> <p>plg) - sharply bounded, blocky phenos, waxy green to yellow (PRE MIN)</p> <p>2x4 to 3x5 mm (cpx) = 20% (non-touching)</p>						41497	

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	CLAYS	SERICITE	ACTINOLITE											
76							<p>leucocratic, siliceous pink granitic dike xenoliths. purple (and)</p> <p>spotty pink brown to dark fresh matrix</p>		75.3	97.5			41497	954	0
78							<p>dark green- grey matrix</p>		78.3	96			41498	959	0
81							<p>6mm x 5mm H brown matrix</p>		81.4	100			41499	995	0
84							<p>light grey m.</p>		84.4	100			41500	100	0
87							<p>Q-CBv 3mm wide 1mm wide</p> <p>dark or grey m.</p>		87.5	98			41501	982	0
90							<p>H pink -brown matrix</p>								

DESCRIPTIVE GEOLOGY

BFP PRE-MINIL ACICULAR DIKE CONT.

BI - where present and unaltered is square and lustrous 5% matrix - 55% where fresh it appears dense dark purple in hand specimen - Fe. garnet matrix contributes to this (on other opaque). In bleached zones Fe. mgst is not seen although the color variety persists. Silica, sericite, chlorite (from BI) contribute in varying amounts to ginner alteration with Fe staining from the dike. probably a cause of yellow-brown component of the alt. Brown-green to H. pink, brown and typical ginner alt. colours

Some fine-grained assoc. granitic high clay patches (matrix) often as erratic clasts (one under 6mm x 4x) 1-2mm

MAN

DATE NO.: DC-23

PROJECT:

PAGE NO.: 7 OF 14

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: DBC

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	CLAYS	SERICITE	CHALCOPRITE										
90							1cm wide			90.5	98		90	
									25		98		41502	98
93							14 brown matrix			93.6			93	
							1cm		25		96.6		41503	96.7
96							dk green - brown grey matrix v. little structure			96.6			96	
							96 (asa. 102-105)		25		97.5		41504	97.3
99										99.6			99	
									20		104		41505	102.7
102										102.7			102	
									1.0		104		41506	104
105													105	

BRP PRE-MINIL ACICULAR DIKE CONT.
- after 95, fairly fresh

pink colouration in gneiss (somewhat waxy) may be respar; chloritic alteration and drab olive green rim about flag phenos are also distinctive over this interval

NBMW

HOLE NO.: RC-25

PROJECT:

PAGE NO.: 8 OF 14

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N.

E.

RATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: DBC

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y
	SILICA	SERICITE	CHLORITE	ACTINOLITE											
105								BEP PRE-MINERACULAR DIKE CONT - silicification dominant after 113.5 (this sheet)			105.7	104		105	98
108										15		96.6		41507	
111										20	108.8	96.6		41508	96
114										25	111.8	100		41509	99
117										20	114.4	99		41510	99
120										25	118	99		41511	99

-3 cm w. sil. v.
-2 cm w. sil. v.
1 cm w.

ophanitic nodules
dike (with 1-2 mm
zeolite, opactite)

2.5 mm silica blk
silica blotches can
be seen accreting
fissure filled and
have expanded outward

1/2 purple v. dk
co. zeolite nodules
- 5mm (scoroid)

- gummy
- 4mm qb

NOBAC

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y	
	CLAY	CHALK	SERICITE	OTHER												
20								BFP PRE-MINIL DIKE CONT. Mgite > 3%						90		
							- Bt patches (w. clay) waxy green plg in H, brown matrix	- FAULT produced bleaching apparent			25	121	99		41512	9
23							2mm CBitt, Festained FAULT, gauge, CB- Qx						100		23	
											25	124		101	23	10
26														26		
											12	127.1		93	26	
29							3mm matrix (1% in 6mm Q-CB v. 2mm x 6mm Q-CB blech clay vsg.								29	
							3mm 1x3cm	contact sharp but ill defined (cumulic mat) at contacts			5				29	
30.2														30.2		
								RHYODACITE DIKE								
								- blotchy/kaolins (CB's grey kaolins) - 10% (3-4mm)								
								matrix - trachytic fine acicular slag lath in mauve-grey matrix (argillized)								
								- CB veins & stringers throughout								
								- tan bleached zones regularly alternate with dark mauve-grey regions ('patchy')								
								- occasional qtz eugs (3-4mm)								
								- fr mgite in g'mass								
35																

NO SAMPLES TAKEN

HOLE NO.: FC-23

COLLAR FLEV.:

COORDINATES:

INCLINATION:

BROUND ELEV.:

N. E.

BEARING:

PROJECT:

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

PAGE NO.: 10 OF 14

REF. TO CLAIM CORNER:

SCALE:

LOGGED BY: DBC

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE RECY/HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL
	SILICA	CLAY	SERICITE	POTASSIC										
136								<p>RHYODACITE DITE CONT.</p> <p>fractured and coarse faulted tan bleached</p> <p>occasional large (2-3cm diameter) zeolite mottled translucent green clots appear, (contain Fe)</p>						
138								<p>silicified and shattered</p> <p>vc to rubble gouge (7mm particles) 3mm</p>						
140								<p>patches of tan & mauve grey</p>						
150														

NO SAMPLES TAKEN

HOLE NO.: R-23

PROJECT:

PAGE NO.: 11 OF 14

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N.

E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: DBC

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	OZ. RECY
	SILICA	CLAYS	SEMICRYSTALLINE	POSSIBLE											
150								<p>RYODACITE DIKE CONT.</p> <p>alternating dk mauve grey (vol. fresh) & lt tan bleached</p> <p>occasional lt. green clots (see descr.)</p>							
153							<p>- huge fault & fract. zone fine sericite plates seen (bluish) 2.5cm gouge FAULT 2cm gouge FLT. CB vugs</p>								
152							<p>- smeary siliceous stringers</p>								
154							<p>3-4mm CB v.s.</p>								
152							<p>3-2mm -py spherules in CB v.</p>								
151							<p>3-4mm -py spherules in CB v.</p>								

NOML

NO SAMPLES TAKEN

HOLE NO.: PC-23

PROJECT:

PAGE NO.: 12 OF 14

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N.

E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARINGS:

TOTAL DEPTH:

LOGGED BY: DSC

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL
	SiO ₂	CLAY	SEMICRYST	OPAL										
165								RHYODACITE DIKE CONT. S.O.S.						
168							2-3 mm							
171					W. part PY in core		169-170 - flow or alteration banding? 7mm bands of trachytic green finely silted material (conspicuous trach. f. lath) + beige brown dense material	- apparent flow banding is distinctive here - note small angle to core axis. If wide banding would exhibit similar banding over a large distance of core. appears less distinctively throughout.						
174							Py in core 2-3 mm	- fine trachytic fissures are in banding.						
180														

NOHL
NO SAMPLES TAKEN

HOLE NO.: PC-23

PROJECT:

PAGE NO.: 13 OF 14

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N.

E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: DBC

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y
	SILICA	SLAYS	SERICITE	ROMIEC											
180								<p>DESCRIPTIVE GEOLOGY</p> <p>RHYODACITE DIRT CONT. S.O.S.</p> <p>- fine cracking observed (very steep dip)</p> <p>- 20% diffuse red matting (HE stain?)</p>							
183							8mm wide								
186															
189							3mm 4mm								
192							2mm								
195							7mm fine py strombol								
196															

NO SAMPLES TAKEN

HOLE NO.: 877

PROJECT:

PAGE NO.: 14 OF 14

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH: 677' (206.4 m.)

LOGGED BY: DBC

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y
	SOILS	OXID.	HYDR.	OTHER											
195							RYODAKITE DIKE CONT. S.O.S.								
198							FAULT								
201							FAULT 2mm 2mm								
204							2mm 5mm FELD								
207							1.3m wide FAULT	END 206.4							
210															

NAME _____
 NO SAMPLES TAKEN

HOLE NO.: FC-22

PROJECT: POPLAR

PAGE NO.: 1 of 12

COLLAR ELEV.: 912.43 GROUND ELEV.: 912.3

DATE STARTED: JUNE 29/76

REF. TO CLAIM CORNER:

COORDINATES: 5997.90 R. 11801.00 E.

DATE FINISHED: JUNE 30/76

SCALE: 1 CM = 1 M.

INCLINATION: -90° WEARING: —

TOTAL DEPTH: 184.1

LOGGED BY: PBC

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS: Shading in alteration column = intensity of alteration: Weak Moderate Strong	AVE CORE REC'Y / HOLE 94.3	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.
	SILICA	CLAYS	SERICITIC	EPIDIDIC											
5							0.0 - 0.13 STICK-UP								
10							0.13 - 27.9 OVERBURDEN								
21															
24															
27															
28							279-305 BIOTITE PORPHYRY (typical corallitized)								
							Plagi = 55% BI phenos = 5% matrix, fine BI (small) + sphen = 45% 2-4µm (square faceted, equidimensional) most not touching each other.)								
							limonite stained cracks								
							1cm								

6065 6065 - 12 pages

27.9 27.9
66
27.9
91
100
41421
118

HOLE NO.: PC-22

COLLAR ELEV.:

COORDINATES:

INCLINATION:

GROUND ELEV.:

N. E.

BEARING:

PROJECT:

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

PAGE NO.: 2 OF 12

REF. TO CLAIM CORNER:

SCALE:

LOGGED BY: DBC

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	CLAYS	SERICITE	CHALCOPRITE											
30							<p>4m co. g. v. lts</p> <p>30.5 BIOTITE PORPHYRY CONT.</p> <p>f.g. drab, brown sandy textured sections are interpreted (by miner) as intense pervasive q-sericite actin of argillite leaving q-ser and f.g. mass BI or micaceous particles as remaining constituents =</p> <p>ALTERED ARGILLITE</p> <p>- more description on page 3.</p> <p>- possibly remnant 20BI of previously biotid argillite</p>		20	94			30	41422	94
33							<p>dark patches - strong remnants of 20BI</p> <p>30.8 (or tan colour - white)</p> <p>32.0 - dark brown black frings appear to be remnant argillite (orange dark brown black) for alteration (bleached by phylite actin)</p> <p>- rather sharp contact in places, shear contact</p> <p>38m</p>		20	94			33	41423	100
36							<p>1cm q.v.</p> <p>1cm g.v.</p> <p>1mm</p> <p>1mm g.v.</p> <p>1cm</p> <p>tan envelopes of (veinlets) appear as pyrophyllite; (bleached halos of 1cm + width)</p>		15	91			36	41424	90.6
39							<p>28.0 BIOTITE PORPHYRY</p> <p>rich Cu (>2% Cu)</p> <p>trachylid alignment of plagiophenes (a metamorphic product is. of feldspar after stress?)</p>		35	87.9			39	41425	87.5
42							<p>fresh to mildly seric (plag) 80 (g.mass 20BI not as strong as before;</p> <p>bright orange phylite appear, selvages</p> <p>- very broken up</p>		2.0	85			42	41426	85
45									14.0				45		

HOLE NO.: PC-22

COLLAR ELEV.:

COORDINATES:

INCLINATION:

GROUND ELEV.:

N. E.

BEARING:

PROJECT:

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

PAGE NO.: 3 OF 12

REF. TO CLAIM CORNER:

SCALE:

LOGGED BY: DBC

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE RECY / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% RECY. SAMP INT.
	SILICA	CLAYS	SERICITE	POTASSIC											
45								<p>"FRESH" BIOTITE PORPHYRY CONT. good spar, no ledges 2. g. mass BI</p>		2.2	80			41427	86.5
48							<p>47.7 - FELDSPAR PORPHYRY more porphyritic & consistently larger plus phenocrysts 1.2-1.4 cm, 1.0, fine grained tan matrix (massive?) plugs & to matrix (dotted with fine ss, so granitic) 74.0%</p> <p>52.2 - sulphide - fine grained, some rimmed w. Fe or magne. in FP</p>		1.5	99			41428	91	
51							<p>dark grey 'cherty' brecciate rough crystalline CB</p>			2.3	95			41429	94.9
54							<p>1.5cm CB w/ lumpy, black env. - Su. 2 / 5mm v. 1cm CB - g. v.</p>	<p>ALTD ARGILLITE 7mm g. v. defines near vertical contact of vestige of FP with BP. Both(?) merge into hazy dark micaceous matrix. Occasional cherty fragments (massive) and fairly sharp contacts describe it as a prominent biotitized and then physically altered, fine grained argillite.</p>		2.0	94			41430	94
59							<p>6mm 1.5cm linear su. matrix (Zn, Mg, K) 20mm pre-min. frags(?) amorphous particles 1cm diam. deep black laminae f.g.</p>	<p>texture is f.g. smeary brown to white and 'peppery' in places</p> <p>*remnant. 2% BI of argillite! blotchy appearance (H.S.), dark micaceous texture (bi-mic.) In places some of this could be remnant argillite clay particles but is considered less likely where potassic alter. is noted.</p>		1.7	95			41431	95
60										1.0				41432	

HOLE NO.: PC-22

PROJECT:

PAGE NO.: 4 of 12

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

R.

E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: DBC

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. CALCD INT
	SILICA	CLAYS	SERICITE	AMPHIBOLE											
60								ALTERED ARGILLITE			60			60	
								CA veins crosscut qtz veins		5		17		41432	77
63								specularite			63			63	
								blotchy 20BI (obvious)		1.0		90		41433	90
66								note: in many of the following sections the simple altm schemes cannot describe the intensely chemically changed massive tan rock. Silicification & hydrothermal changes are intense throughout argillite & FP (the latter between vestiges).			66			66	
										8		76		41434	82
69								7mm			69			69	
								1.5cm						41435	113
								5mm		2.2		71		41435	113
								ARGILLIZED BP							
72								mottled, blotchy B2 & 20BI						72	
								good dissem. NbSs						41436	89
								ARGILLIZED BP		20				41436	89
								PRE MINIL Bites 'peppery' dots of 8-mgr uninterlocking platy mafic with a few lge platy lenses							
75								ALT O ARG.						75	

HOLE NO.: PC-22

PROJECT:

PAGE NO.: 6 OF 12

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: DBC

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	CLAYS	SULPHATE	PORPHYRY										
90							<p>ALTERED ARGILLITE CONT.</p> <p>BIOTITE PORPHYRY 'ARGILLIZED' with reasonable 2-BI in g-mats</p>							
						<p>Labels with x-cutting 20 g. quartz vits. CS cuts g. tan col. (oxidized) zirconic</p> <p>1 cm x 8 v.s. (1/2 lat. dipol)</p>			90.5	76			90	76
93						<p>7mm CO. g.</p> <p>hybrid zone: smeary brownish tan with epitaxial intrusives texture</p>			20	92.5			93	172
									93.6				96	771
96						<p>ARGILLITE or ALT'D EP? Vestiges of clear EP appear in spots. These blend well into a tan col. dense rock similar to argillite described before.</p>			25	78			96	950
						<p>EP</p> <p>1cm w. gas. v.</p> <p>EP</p> <p>1.5cm GA</p> <p>2cm BP stringer</p>			76.6	91			96	950
99						<p>ARGILLITE & hybrid intrusive (BP vestige, mottled 2-BI, dense brown patches)</p>			15	91			96	950
						<p>6mm</p> <p>6mm</p> <p>1cm</p>			97.7	78			96	950
102						<p>Small CS v.</p> <p>ARGILLITE - dense tan & f.g. brown patches</p>			22	78			102	950
						<p>2cm w. CS stringer, "stepped" argillite in between (matrix) slickensided f.d.</p> <p>tan matrix</p>			102.7	76			102	96.9
105						<p>7mm g. v.</p>			15	76			105	96.9

MOLE NO.: R-22

COLLAR ELEV.:

COORDINATES:

INCLINATION:

GROUND ELEV.:

N. E.

BEARING:

PROJECT:

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

PAGE NO.: 7 OF 12

REF. TO CLAIM CORNER:

SCALE:

LOGGED BY: DBC

SECTION	ALTERATION				MINERAL GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT.
	SILICA	CLAYS	SERICITE	POTASSIC									
108						ALTERED ARGILLITE CONT. 6mm some CB vits fill sharp blocky fractures -> i.e. some crackle: basification & CB fill. 1-3mm dark matrix = argillite(?)		1.5	102.0	100		108	
111						MoS ₂ in vits. - fine ll inclusions of py near vits		2.0	102.0	111		111	
114						(2) FELDSPAR PORPHYRY - very uneven boundary (3) hybridization is evident before and after this boundary. However patches of clear FP are more frequent, a vague intrusive texture persists around them and the dark brown vestiges assumed to be argillite are virtually absent (the thin form may persist) 1cm. 4mm CB Eps intrusive text. 5mm CB intrusive FP text:		2.0	102.0	114		114	
117						5mm 5mm BIOTITE PORPHYRY or BIOTITE-FELDSPAR PORPHYRY 122mm d 2x4mm fls Unchoking = 20% 'blocky' BI = 5% fg matrix (14 brown = 35% grey, fine BI patches) - dense siliceous tan altered root persists between vestiges!		1.5	102.0	117		117	
120						1.5cm 1cm v. vuggy, stalling CBV. broken up - vuggy CB fill fractures		1.5	102.0	120		120	

HOLE NO.: PC-22

PROJECT:

PAGE NO.: 8 OF 12

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARINGS:

TOTAL DEPTH:

LOGGED BY: PBC

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	CLAY	SERICITE	POPHALIC											
128								ALTERED BIOTITE FELDSPAR PORPHYRY			121	91		120	
							SA-ME in 4mm CB vlt.			1.5				41452	95.6
123							1cm wide, cavernous, vuggy CB vlt					78		123	
							2-5mm blks of cpx in Q-CB vlt.				124			41453	96.6
126							4mm							126	
							4mm				127.1			41454	78.6
							4mm							129	
129							4mm							41455	97.8
							5-7mm cpx blks in Q-CB vlt.				128.1			41455	97.8
							6mm							132	
132							6mm							41456	97.4
							5-7mm qtz stringers with blks.				133.2			41456	97.4
135														135	

ALTERED BIOTITE FELDSPAR PORPHYRY

BIOTITE PORPHYRY

transitional zone - tan, physically altered intrusive texture

argillized EP - a medium grained variety (2mm plags) conspicuous mass BI. Texture distinctly finer than BPD above

FRESH B.P.

- dark gray, speckled and dotted with BI of 1 to 2mm

134.1
to
135.6
for
dating

NONE

HOLE NO.: PG-22

PROJECT:

PAGE NO.: 9 OF 12

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARINGS:

TOTAL DEPTH:

LOGGED BY: DBC

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT.
	SMALL	CLAY	SEMICRYSTALLINE	HYDROTHERMAL											
135							BIOTITE PORPHYRY CONT.				135			135	
							From BP				134.2	97		41457	97.1
							3cm w. ss pebbles ditto					97.2		136	
138							targillized BP				131.7			41458	95.6
							targillized matrix BP					95		141	
							3mm B-cpy v. enr by Q. 2.5x3 = A biob, Q halo							142.3	
							7mm Q-cpy				142.3			41459	94.4
							142.0							143	
							FELDSPAR PORPHYRY							144	
							CB grained plg phenos (2x4 to 2.5x5 mm) = 50% in aphanitic tan matrix = 50%					94		145	
							3mm clay anhydrite (1)							146	
							anhydrite							147	
							143.5 - FAULT BRECCIA ZONE (1-2cm diam.)				143.4			41460	75.4
							145.5 blocky, angular particles, not bleached to brown-grey alt rock, grain surrounded with interstitial ose sandy material and cavity filling non HCl soluble (hardness) gypsum matrix that is termed anhydrite. High in sericite, clay (tan-yellow) and carbonate (cement)							148	
							2cm wide clay gouge gtz, veined fault CB CB blebs, ars halo							149	
							5mm ev.							150	
							5mm CB v. h.							151	
							2mm CB							152	
							2mm CB dense matrix							153	
150											148.4			41461	73.6
												91		156	

HOLE NO.: PC-22

PROJECT:

PAGE NO.: 10 OF 12

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

RZF. TO CLAIM CORNER:

COORDINATES:

N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: DBC

SECTION	ALTERATION				MINERAL GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.
	SILICA	CLAY	SERICITE	HYDROTHERMAL									
150						<p>FELDSPAR PORPHYRY CONT.</p> <p>thin, irregular mass with inclusions - pre-alkali black</p> <p>2mm dia.</p>		150	91			41462	135
153						<p>matrix</p> <p>matrix FP text.</p> <p>15cm dia</p> <p>2mm</p> <p>2mm</p> <p>irregular but sharp</p>		153	96			41463	135
156						<p>ARGILLITE</p> <p>-dense black - brown hair-fracture veined rock where less altered</p>		156	91			41464	135
159						<p>1cm dia</p> <p>150 dia - 3mm dia } top thin (fresh surface) conc. BZ clouds (by 159.0)</p>		159	91			41465	925
162						<p>FELDSPAR PORPHYRY</p> <p>15cm</p> <p>1mm } 1° BI, Q) top</p>		162	96.6			41466	96
165						<p>(checked) fresh looking dark remnant argillite</p>		165	95			41466	96

HOLE NO.: PC-22

PROJECT:

PAGE NO.: 12 OF 12

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: DEC

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE RECY / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% RECY SAMP INT
	SILICA	CLAYS	BIOTITE											
180	/	/	/				2.0m CB Vt ₂			18				
	/	/	/						20	18	101		41472	71
183	/	/	/							184.1	905	1/2 INCH		905
							E.O.H. @ 184.1							

WOLE NO.: PC-21

COLLAR ELEV.: 920.52

COORDINATES: 6199.95

INCLINATION: -80°

GROUND ELEV.: 920.3

N. 117° 56.77 E.

BEARING: DUE SOUTH

PROJECT:

DATE STARTED: JUNE 26/76

DATE FINISHED: JUNE 28/76

TOTAL DEPTH: 227.7 m

PAGE NO.: 1 of 14

REF. TO CLAIM CORNER:

SCALE: 1 cm = 1 m

LOGGED BY: DBC

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS: Shading in alteration column = intensity of alteration: Weak Moderate Strong	AVE CORE RECY / HOLE 92.9	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% RECY. SAMP INT.
	SILICA	CLAYS	SERPENTINE	PORPHYRIC											
30															
33							0.0 - 0.22 STICK UP 0.22 - 33.5 OVERBURDEN								
35							33.5 - 227.7 Biotite Porphyry - near aquic clay (2-3 mm) = 40% BZ (blocky) (1-5 mm) = 1-5% (depending on freshness)								
36							N.B. - core very broken up in boxes 1-13 structural interpretation difficult 33.5 : clay-phyllite altered BP 33.5 : mild oxidation 35 37 patchy with dark, fresh BP								
39							v. lineary vhs.								
42															
45															

6065

HOLE NO.: PC-21

PROJECT:

PAGE NO.: 2 OF 14

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N.

E.

DATE FINISHED:

SCALE:

INCLINATION:

DIRECTION:

TOTAL DEPTH:

LOGGED BY: DBC

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	CLAYS	SERICITE	POTASSIC											
45					weak	Pyl.		BIOTITE PORPHYRY CONV? - fairly rich in su (fract.) disc. - patches of moderately alt'd BP (BI preserved) in more intensely physically alt'd BP (alternating patches of high argillic & and argillically high sericite alt'n)		6.0		89		45	
48								py vts up to 4mm width			47.8			48	87.2
51								py hair vts		4.5		92		51	92.
54								play appears as an (BP-PP?) or angilliation causing volume increase?		5.0		76		54	96
57										4.5		80		57	80.4
59										5.0		77		59	92
60								stockwork	qtz stockwork in intensely chloro-potassic (silica) alt'd rock. 1st silica-potassic alternates in proportion with argillic-phylic alt'n (70% arg. 30% phyl. to 70% arg. 30% phyl.)		6.0		60	92	

HOLE NO.: PC-24

PROJECT:

PAGE NO.: 3 OF 14

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N. S.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: DBC

SECTION	ALTERATION				FRACTURING	MINERAL GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT.	
	SLIM	CLAY	BIOTITE	POTASSIC											
60							<p>quite frequent 6mm w. qtz v.</p> <p>(ALTERED) BIOTITE PORPHYRY (KONT. - argillite-phyllite with a superimposed on potassic? - gneiss work * see place in places (unquilted)</p>	6.0		71			60	41365	71
63					seen to moderate		<p>scattered 2° BI patches</p>	6.3					63	41366	88
66							<p>7mm</p> <p>pervasive 2° BI</p>	4.5		88			66	41367	88
69							<p>fairly abrupt passage into potassic (phyllite) with intense pervasive (as before)</p>	4.1		75			69	41368	75
72							<p>2mm</p> <p>plag phenos reappear but gneiss has pervasive 2° BI BI (dark pink)</p>	4.2		96			72	41369	46
75								22.2		80			75	41370	81.0

HOLE NO.: PC-20

PROJECT:

PAGE NO.: 4 of 14

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: DBC

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE RECY/HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% RECY. SAMP. INT.
	SILICA	CLAYS	SERICITE	POTASSIC											
75								ALTERED BIOTITE PORPHYRY CONT. high py %age alteration so strong as to disguise texture until 90m.t.			75.3	80		75	
78							↓ inc in qtz v. mag			70		80		41370	80
81							3mm			60		83		41371	82
84										8.0		80		41372	80.4
87							cse py (3mm diam)			25		92		41373	90.4
90							70mm wide			11.0		93		41374	92.8

HOLE NO.: PC-21

PROJECT:

PAGE NO.: 6 OF 14

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARINGS:

TOTAL DEPTH:

LOGGED BY: DBC

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	CLAY	BIOTITE	QUARTZ										
105							ALTERED BIOTITE PORPHYRY CONT. -argillized fissure; considerable q-ser & argillite pervasive in g-mass to intense pervasive with argillic & phyllic altn alternating in intensity (i.e. patches) -questionable H ₂ O ₂		70	105.7	92		105	
108											93		108	92.7
111									4.5	108.4			111	96.4
114							good q-ser. alteration silica fine sucrose beads-50% } bino. sericite -50% } mica		7.0	111.2	99		114	72.7
117									50	114.9			117	77.7
120									50	117	83		120	88.1

HOLE NO.: R-21

COLLAR ELEV.:

COORDINATES:

INCLINATION:

GROUND ELEV.:

N. B.

BEARING:

PROJECT:

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

PAGE NO.: 7 OF 14

REF. TO CLAIM CORNER:

SCALE:

LOGGED BY: DBC

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	CLAYS	SERICITE	POTASSIC											
120							<p>120cm Fain (10-15mm) MoS₂ Spheralites MoS₂ pyrophyllite structure - fill</p>	<p>ALTERED BIOTITE PORPHYRY CONG. 121+ - Hispan spherulites to pervasive - gts veining accompanies</p>			83			120	
123					pyrophyllite / MoS ₂		<p>7mm 4mm</p>				97			121	41385
126							<p>fine inconspicuous gty vltg</p>				98			124	41386
129							<p>thick, fine g. vltg - recrystallized good patchy vltg - 2mm</p>				92			127.1	41387
132							<p>6mm</p>	<p>130.5 1st major appearance of 20 g mass BI - above this potassic = Hispan (some BI clouds or greater where mentioned)</p>			100			130.1	41388
135							<p>5mm</p>	<p>Hispan envelopes & bleached zones around fine to 2mm vltg</p>			103			133.2	41389
136							<p>5mm</p>							135	41390

HOLE NO.: RC-21

PROJECT:

PAGE NO.: 9 of 14

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: PBC

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	CLAYS	SERICITE	POTASSIC											
160							SIOTITE PORPHYRY CONT. An alternating pattern is seen of phyllic-argillic alteration with 2°BI with potassic alter. Both types are quite intense and pervasive		20	154.5	99		160-163	41395	97.5
153						bleached zone of siliceous-sericitic and phyllic-argillic alter. 1-2mm speckled with brown; appears to be fragmented by small scale minor disc brown (caveat)	if 2°BI is added, argillic-phyllic was superimposed - appears likely		20	154.5	96		153-156	41396	97.5
164						fine grained vlt. vlt. smeary vlt. vlt. vlt. vlt. (halo) about vlt. BI >> resp			15	157.6	101		164-165	41399	97.0
159						6cm resp > BI					98	NONE	159-160		
162						5mm smeary vlt. vlt.			20	160.6			162-163	41398	78.5
165						5mm bleached zone of g-sep with mottly clouds of 2°BI & occasional smeary 2°BI halos pink resp	160-163.5 - alter is fine grained and 2°BI alter appears diluted with lt. col alter products esp. silica (± sericite) hazy matrix envelopes also contribute		25	163.7	99		165-166	41399	99.5

HOLE NO.: PC-21

PROJECT:

PAGE NO.: 10 OF 14

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: DBC

SECTION	ALTERATION				COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT.
	SILICA	CLAYS	SERICITE	HYDROTHERMAL								
165					BIOTITE PORPHYRY CONT.			99			41400	100
168					168 - speckled brown, white ultra (S.O.S) clay, alkali BI, e -129 sericitic gmass. K (S.O.S) 15% gypsum very conservative - probably due to gypsum ultra sulphides consist in vials (gmass low in sul) recrystallized sylvite (S.O.S)		2.0	167.7	98		41401	98
171					white, hardness 27 (minerals) matrl (some pink dense) - 100% (S)				98		41402	98.4
174					2.4mm - 5mm x 2mm s. b. b. - 5mm v. r. - BI v. r. (1.5mm wide + sul)	60. core in vials.	1.5	172.5	99	100%	41403	100
177					BI BI BI BI - 5mm v. r. (1.5mm wide + sul)		2.0	178.9	100		41404	101.9

HOLE NO.:
COLLAR ELEV.:
COORDINATES:
INCLINATION:

GROUND ELEV.:
N. E.
BEARING:

PROJECT:
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:

PAGE NO.: 11 OF 14
REF. TO CLAIM CORNER:
SCALE:
LOGGED BY: PBC

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	CLAYS	SERICITE	POTASSIA											
180								BIOTITE PORPHYRY sericite rich zones are as described before (spectroscopic pattern 4-mgr) see also B1?							
183							5mm - 3 v. 3-6 mm quartz 1.0cm wide (sericite striae) 1/2 to 1 cm with 3 mm 2-3 mm wide			20	184	100		41405	912
186							8mm vlt. displaced left lateral fcm CB (sericite) B2 till 3cm left lat. displ.			25	185	98		41406	99
189							5mm vlt. displaced left lateral fcm CB (sericite) B2 till 3cm left lat. displ.			2.0	188	101		41407	100
192							7mm, 940 vlt. fine grained siliceous 1cm CB with envelope of w. q. (sericite) B2 - 973 - 1200 vlt.			1.0	191.1	99		41408	99
195							1cm w. q. veins 1.5cm w. vlt. by ream 8mm w. exhibiting CB 700 940	intense q. veining		15	194.1	99		41409	99
														41410	

HOLE NO.: PC-2)

COLLAR ELEV.:

COORDINATES:

INCLINATION:

GROUND ELEV.:

N. E.

BEARINGS:

PROJECT:

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

PAGE NO.: 12 OF 14

REF. TO CLAIM CORNER:

SCALE:

LOGGED BY: DBC

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	CLAYS	SERICITE	PO DOSSAGE											
195							<p>ALTERED BIOTITE PORPHYRY CONT</p> <p>- hole BI vhs</p> <p>- sericitized a/n in s.o.g.</p> <p>- so vhs & chlorite in q. vhs, (c. 100)</p> <p>note vhs + chlorite in q. vhs, (c. 100)</p>								
198							<p>5mm vhs</p> <p>BI > 100</p>			197.2	99			41410	92.4
201							<p>25mm BI vH</p> <p>7mm</p>			200.2	97			41411	91.7
204							<p>7mm</p> <p>11cm u. q. v. (P4)</p> <p>100 = BI</p>			203.3	96			41412	95
207							<p>preserved BI phenos are quite numerous. BP text amorphous, but smoky black grey matrix indicates some 2-BI</p> <p>{ chloritic - sulphide vhs. bluish in colour</p> <p>Sulphide drop</p>			206.3	92			41413	91.7
210							<p>25mm</p> <p>5mm q.v.</p>			209.4	91			41414	92
											96			210	

NOLE NO.: R-21

PROJECT:

PAGE NO.: 13 OF 14

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: PBC

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	CLAYS	SERICITE	CHALCOPRITE												
210								<p>208I plug sample preserved in texture (2x3mm)</p> <p>212.5' - First major appearance of (argillized) BI - considerable green appears in matrix of more tan-brown bleached zones but argillic altin may dominate bleached white plug phenas (chalt; clay tenacity under bi. mic.) Plug phenas appear to altered BI phenas = 60-65% (</p> <p>Texture in previous phyllic altin was diffit (cser plug 1.2cm); more porphyritic in 'arg' altin. In this case a fresher (ie less 2-BI) BI was encountered this form of altin</p> <p>* note BI phena appearance in less 2-BI</p> <p>216 - good blocks of BI</p>		10+		96		210	41415	95.6
213																
216																
219																
222																
225																

BIOTITE PORPHYRY CONT.

212.5' - First major appearance of (argillized) BI - considerable green appears in matrix of more tan-brown bleached zones but argillic altin may dominate bleached white plug phenas (chalt; clay tenacity under bi. mic.) Plug phenas appear to altered BI phenas = 60-65% (

Texture in previous phyllic altin was diffit (cser plug 1.2cm); more porphyritic in 'arg' altin. In this case a fresher (ie less 2-BI) BI was encountered this form of altin

* note BI phena appearance in less 2-BI

216 - good blocks of BI

FAULT FRACTURE ZONE

224.1 tan-white post mineral OIIE, fault bounded -
224.6 Bg with v. fine trachytic fignn (alth in giness

NONW

HOLE NO.: PC-20

PROJECT: POPULAR

PAGE NO.: 1 OF 14

COLLAR ELEV.: 914.95

GROUND ELEV.: 914.8

DATE STARTED: JUNE 25/76

REF. TO CLAIM CORNER:

COORDINATES: 6293.48 N. 12101.97 E.

DATE FINISHED: JUNE 28/76

SCALE: 1 cm = 1 m

INCLINATION: -90°

DIRECTION: —

TOTAL DEPTH: 200.3 m

LOGGED BY: DBC

SECTION	ALTERATION				MINERAL	GEOLOGY	COMMENTS: Shading in alteration column = intensity of alteration: Weak } Moderate } Strong	AVE CORE REC'Y / HOLE 99.3	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.
	FILIN	CLAYS	SEALITE	POTASSIC										
0						0.0 - 0.15	STICK-UP							
3						0.15 - 12.05	OVERBURDEN							
12						12.05 -	FELDSPAR PORPHYRY - remnant (fism) texture visible. moderate to intense alteration is 60% argillitic. Good py dissemination & occasional hair vhs. Gouge fHs with round pebbly particles and clay gouge as outgrowth from fism. phenocrysts (gypsum vhs). intergranular - radiating.		5	12.1	52	NONE	41232	61
15										14.3	73			

6065

HOLE NO.: RC-20

PROJECT:

PAGE NO.: 2 OF 14

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: DBC

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.
	SILIN	SLAYS	SEAKIPS	SOONYS											
16								PELLOSAR PORPHYRY CONZ. - Argillie Zone description → remnant text. is 65% 3x4mm plat phenos, patchy siliceous matrix, well distributed py. occasional argillized remnant BI		55	17.4	93		41233	91
18							gouge (FLT)			40	20.4	86		41234	87
21										30		92		41235	93
24							gouge FAULT box (issue with) clay altered dike oxid and washed with dark grey silic. mat. (l)	subangular clay-gtz altered (intense) particles in siliceous matrix. 222 - noted increase in sericite and first appearance of gypsum		20	23.5	99	NONE	41236	98
27							FAULT			40		98		41237	98
30							good MoS ₂ in gouge. vlt.					98		41238	98

HOLE NO.: PC-20

PROJECT:

PAGE NO.: 3 OF 14

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: DBC

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	CLAY	SERPENTINE	ARGILLIC												
30								<p>2-4mm v. fine</p> <p>FELD SPAR PORPHYRY CONT</p> <p>ARGILLIC - Q-SER ZONE</p> <p>fine quartz, veining strong (30-45)</p> <p>qtz v. fine = 1/10-15 mm with 2-4mm</p>		40	326	98		30	41238	97.9
33							<p>large iron crust v. v. fine mod. intense</p>			3.5		97		33	41239	47
36							<p>384-387 = FAULT BRK angular particles 5mm to 2cm in size - crushed by matrix</p>			20	35.6	97		36	41240	97.2
39							<p>2-4mm qtz small v. fine</p>			3.5		99	NOHW	39	41241	99.1
42							<p>5cm gouge (pebbly)</p> <p>↓ dominantly Q-SER. ALTIN</p>			41.7				42	41242	99.5
45										3.0	44.8	100		45		97

HOLE NO.: PC-20

PROJECT:

PAGE NO.: 4 OF 14

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: DBC

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	CLAYS	SERICITE	CHALCOPRITE											
45								FELDSPAR PORPHYRY CONT. ser. clay: altin = 2-3:1		35	478	97		41243	97
48							1cm pyroxenite ser. clay MoS ₂ in altin vit.			40		100		41244	100
51							13cm pyroxenite			50.9		100		41245	100
54					moderate		some gty. (silica) are alteration vltg. is removed out!			25		539		41246	100
57							1-2cm kiser talus 25mm wide			20		57		41247	98
60							7mm altin vltg. 1cm pyroxenite, sil. anal.			60				41248	98

HOLE NO.: PC-20

PROJECT:

PAGE NO.: 6 of 14

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: DBC

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE RECY / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP INT.
	SILICA	CLAYS	SERICITE	PORPHYRY											
75							RELDSPAR PORPHYRY CONT.			2.5	75.3	99		41253	96
78							20° contact (old fract. not covered) 78.0- RHYODACITE (POST-MINERAL) DIKE with 877 - tan-reddish round-ohlate zeolite amygdulose (4-8%) 2-4mm (prob. pump) - white, translucent round amygdulose (1-2%) aphanitic (green) zeolite - matrix of fine (1-2mm) trachytic laths of plag. (20%) in aphanitic + green - it reddish brown matrix (70%) - it yellow-brown bleached envelopes (2-4cm wide) surround fracture - veins.			78.3	98		SI?	41254	98
81											81.4	98	NO MW	41255	98
84											84.4	93		41256	93
87							tan clay alt/ bleached zone 78° fracture contact 877 - QUARTZ FELDSPAR PORPHYRY -89.2 blocky 4-3 eyes (2-5mm) = 5% green muscovitized plag (2-3mm) = 4% aphanitic, hard tan yellow matrix = 90%				87.5	97		41257	96
90							89.2 FELDSPAR PORPHYRY -90.55 texture still well preserved			2.5				41258	97

HOLE NO.: PC-20

PROJECT:

PAGE NO.: 7 OF 14

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARINGS:

TOTAL DEPTH:

LOGGED BY: DBC

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	CLAY	SERICITE	Other											
96							FELDSPAR PORPHYRY CONT. QUARTZ FELDSPAR PORPHYRY	2.6		90.5	97		90.5	97	
93							F. PPY. DUNE phyllic, qtz + sil - mild brecciation			92.2			93	41259 110	110
86										96.3			96	41260 78.8	78.8
99										98.3		NONE	99	41261 77.8	77.8
101							99.3 FELDSPAR PORPHYRY -100.5 - some brecciation - strong silic (4 seric)	2.0		99.4			99	41263 100.7	100.7
102							100.5 QUARTZ FELDSPAR PORPHYRY -102.4						101	41264 101	101
105							7mm qtz 6mm sil 3mm -1.3cm FELDSPAR PORPHYRY			102.1			102	41265 90	90
105										2.0			105	41265 90	90

HOLE NO.: PC-20

PROJECT:

PAGE NO.: 9 OF 14

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: DBC

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE RECY / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% RECY. SAMP. INT	
	SILICA	CLAYS	SERICITE	POTASSIC												
120							<p>3mm discuss specks 2-4mm vein - 2-4mm</p>	<p>FELDSPAR PORPHYRY CONT. 9% veins now (intensity) system 1.2 as envelopes or pervasive locally</p>			121	99		120	41271	99.6
123							<p>2-0.1. eroded to 8cm wide - fault gouge</p>	<p>blanched f. zone approx</p>			124	100		123	41272	99.6
126							<p>9% vein loc - fault 2mm</p>				127	100		126	41273	99.3
129							<p>8cm wide sandy zone - vein - 2mm</p>				130	100		129	41274	100
132							<p>- 1cm wide</p>	<p>Pervasive silic. & 2° titan (s)</p>			133	100		132	41275	100
135														135		

HOLE NO.: PC-20

PROJECT:

PAGE NO.: 10 OF 14

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: PBC

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	CLAYS	SERICITE	AMPHIBOLIC										
135							1cm wide FELSOPAR PORPHYRY CONT. Silica - feldspar altin			100			41276	98.2
136							2mm wide gty v. 1cm wide			98			41277	100.2
141							1-1.5cm w. 1.3cm pu vlt.			102			41278	99.7
144							dense 2-3mm ag silver vlt in silic z.			98			41279	99.6
147							20" contact 146.6 -149 BIOTITE PORPHYRY - sharp, fairly smooth contact fine BI in PP near contact (within siliceous zone 0.5m from contact very quickly unaltered intense silic, 20% biotite altin of matrix and lesser BI (change too gradual to consider as PP again) (some remnant BI) BI = 93, ch, PJ. fresh BPT = BI (2mm bands) = 1% Blas phenocr 5-10% (2x4mm) dark grey (biotite) matrix (ophanitic)			101			147	
150							1.5cm gty vlt with small w. tr. spar, black & stringers EPT, & Myrtel - see BFP next page			100			41280	100.5

HOLE NO.: PC-20

PROJECT:

PAGE NO.: 31 OF 14

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: DBC

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE RECY / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% RECY. SAMP INT.	
	SILICA	CLAYS	SEPIKITE	ADAMITE												
150								149- BIOTITE FELDSPAR PORPHYRY - very sharp, irregular contact is seen between dants, fresh BP and lt. coloured BFP. BFP has distinctive -argillized plag (2-4mm) 75%, BI knots (some altered) 2-3%, Ksp + silica - other matrix = 22% - texture v. similar to BP (i.e. plag near equigranular, crowded but not touching, distinctive blocky BI knots) so v. similar to BP. has a lighter white-pinty -grey colour. text. well preserved - appearance of CB. - 2° BI - texture: greatest = 14 d. (5 2° BI. 6 leads)		1.5	1515	100		150	41281	100
153							1.5cm contact, 1.5cm CE note CE 2° BI in matrix (between phenos)					100		153	41282	95
156							2° BI in matrix (between phenos) - appears to be 1.3cm CB alteration v.H.					99		156	41283	99
157							2mm 7mm - fault zone (100m)							157	41284	100
162							- 2cm - 7mm wide - 2cm - 4mm wide - streaks Na ₂ S ₂ O ₇							162	41285	99
165												98		165		

HOLE NO.: PC-20

PROJECT:

PAGE NO.: 12 OF 14

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: DBC

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
	SILICA	CLAYS	SERICITE	POTASSIC												
165								BIOTITE FELDSPAR PORPHYRY CONT. note potassic alteration & Kspar, minor 2-BZ phyllitic argillite alter is noticeably strong, but silica envelopes and, to a lesser extent but quite obvious, Kspar vtz & selvages persist. Faulting, fracturing may be source.		05	166.7	98		41286	98	C
168							1cm fault gouge 2cm wide 1cm blub py quartz moss			04	169.7	98		41287	98	C
171							6mm py vtz env. by g ¹³			1.0	172.9	100	NONE	41288	99.2	
174							1.2cm wide 5mm 2cm g ¹³ -Kspar vein envel. by siliceous marginal (vtz) & 2cm wide g ¹³ vtz 1.5cm wide py v.			15	175.8	98		41289	96.8	K
177							5mm 5mm 2mm 1cm			1.5	178.3	95		41290	88	C
180											100			41291		

HOLE NO.: PC-20

COLLAR ELEV.:

COORDINATES:

INCLINATION:

GROUND ELEV.:

N. E.

BEARING:

PROJECT:

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

PAGE NO.: 14 OF 14

REF. TO CLAIM CORNER:

SCALE:

LOGGED BY: DBC

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE RECY/HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% RECY. SAMP. INT.
	SILICA	CLAYS	SERICITE	CHLORITIC											
175							BIOTITE FELDSPAR PORPHYRY CULT. - mild alteration is mostly silica, waxy green sericite at top, slight to spar	1.5	95						
178							with silic. BP	3.0	96						
201															
204															
207															
210															

fine gr. vhs.

with silic. BP

Quartz

BIOTITE FELDSPAR PORPHYRY CULT.
- mild alteration is mostly silica, waxy green sericite at top, slight to spar

greatest on cracks

NAWG

END

HOLE NO.: R-19

PROJECT: POPLAR LAKE

PAGE NO.: 1 OF 13

DOLLAR ELEV.: 212.45

GROUND ELEV.: 919.3

DATE STARTED: JUNE 22/76

REF. TO CLAIM CORNER:

COORDINATES: 6059.33

N. 1322.67 E.

DATE FINISHED: JUNE 24/76

SCALE: 1 CM = 1 M

INCLINATION: - 90°

BEARING: --

TOTAL DEPTH: 133.1 M

LOGGED BY: BKB

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS: Shading in alteration column = intensity of alteration: : Weak : Moderate : Strong	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.
	SH. IN	CLAY	SER.											
0								97.0						
						STICK-UP 0.0 - 0.15 OVERBURDEN 0.15 - 6.7								
5														
10						ALTERED INTRUSIVE (FP?) 6.7 - 36.3 Texture vague, pervasive Qtz - Ser - clay c.H's, in relative abundance of approx. 2:1:1 Pg as vth and H, mod irregular. Occ. Qtz vth * Occasional blk. coating on Pg - Ce? or tannish Pg. Core extremely broken, blocky, from 6.7 - 25.0			5 1/2	8.2	7		41298	35
15						TR. MoS ₂ on P.			5 1/2	11.2			41300	56
									5	14.3			41301	30

6065

NDWL

HOLE NO.: 15-19

PROJECT:

PAGE NO.: 2 OF 13

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N.

E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: BKB

SECTION	ALTERATION			FRACTURING	MINERAL GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.
	514	CLAY	SEP.										
15						ALTERED INTRUSIVE (EP?) - CONT'D. Qtz + sep: clay ratio still approx 2:1:1		3/2		91			16
20						2 mm dia broken core.		5	202	90		41302	90
						5 mm bx's.		5	202	92		41303	75
						1cm P ₉ vns, 11 SA, 2 22A and 23A in broken core. 2 22A, 1 spec Gyp noted in P ₉ .						41304	22
						Part 25.0, Core solid, recovery 98%+. Gypsum vlt in broken core, 67-25.0, prob. as abundant as part 25.0, but broken core masks abundance.		6	232	92		41305	75
25						5mm, Carb-Gyp vlt.		6	264	91		41306	28
						Reg Gyp. vlt, 1-2 mm, 30-60° vlt, 3 to 4 / 0.5 m.		5	295	98		41307	17
30						5mm, P-Gyp. - Coarsent by Gyp vlt.							

HOLE NO.: 22-19

PROJECT:

PAGE NO.: 3 OF 13

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N.

E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY:

BMB.

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE RECY / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% RECY. SAMP. INT.	
	5% IN	SCALING	SEED.												
30							<p>FELDSPAR PORPHYRY - CONT'D.</p> <p>- Qtz mainly pervasive or as envelopes v. few vhs.</p> <p>Tr. diss'd Gpy noted 31-32.</p>		5				31		
							<p>2cm. Syp-Py. 6mm Py-Gyp.</p>		6	32.6			41307		
							<p>1cm. Syp-Py.</p>				71		32		
35							<p>3 1/2 cm. Gyp-Py - TR. MoS₂.</p>		4 1/2	35.6			41308		
							<p>@ 36.3 0.2 m strong breccia @ dike contact. Fragments included w/in dike.</p>						36.3		
							<p>POOR MINERAL PHYDROACITE @ 36.3 - 46.6</p>						41309		
							<p>M. quartz. gm, w/ 10% rounded Qtz. sp's, 4mm, Occ. large fexar phenos, anhedral, 20% calcite omygdalites, some w/ Horn stains; fine plag laths, trachytic in gm. Clay art's as H. gm. envelopes, and patchy zones. Large fexar phenos, white, arg'd.</p>							37	
							<p>No sulphides. Trachytic texture @ 50-60 cm.</p>						41310		
40													42		
										41.7			41311		
											97		44		
45										44.8					

HOLE NO.: *P-13*

PROJECT:

PAGE NO.: *5* OF *13*

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N.

E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY:

BKB

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT.
	SP. 10.	CR. 10.	SG. 10.	AD. 10.											
60							<p>ARGILLITE - CONT 10.</p> <p>Bx's + gouge up to 60.3</p> <p>8/2 ms to 10m w/ Py.</p> <p>1cm. MI-Py-TR Gp.</p> <p>Wedge of Bx'D.</p> <p>@ 63.2 3cm H. pinkish orange v. Mad hd., appears SUCROSIC under hand lens. ? Also @ 62.2, 3" CA, 1cm. Contains TR Gp.</p>		3 1/2					61	
65							<p>8/2 - Py and Py stockwork w/ minor Gp.</p> <p>2cm. Syp. Carb.</p> <p>1cm. Py-Py.</p> <p>1cm. MI-Py (Gp)</p>	<p>8/2 - Ser d. 1/2 centners. 8/2 v. strong, also increase in pervasive sil's. Rec Syp v.!</p>		5				66	
70							<p>70.6-70.8 - AP Dike.</p> <p>AP Dike @ 60' CA.</p> <p>Occasional Syp v.!</p> <p>2 x 1mm. 8/2 - Py (Gp)</p>	<p>Post 70 8/2 stockwork intense.</p>		4				67	
75							<p>70.4-75. N. N. Zones range, 2-4cm, separated by Bx'D argillite. <u>Fault.</u></p>		5					68	

HOLE NO.: R-13

PROJECT:

PAGE NO.: 6 OF 13

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N.

E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: BVB.

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT.
	SI 1	SI 2	SI 3											
75							ARGILLITE - CONT'D.		5	76.3			76	
							0.6 m strong gouge. Fract. 17.8-78. Mod 2° gm Bi		5 1/2	97			78	97.2
							1.5 m gouge. 12.5 cm, Rj-Ml-Gy - Contains bl:bt spx present. @ 78.5: 5 cm FP drilled @ 30° CA.						79	
80							2.5 Gyp vlt. 60-300 CA. @ 80.5: 4 cm FP drilled @ 50° CA.		6 1/2	96			80	
							1.5 m gouge. Chl Gsb. (Rj)						81	
							2.5 m Gyp-Gsb. Rj-Gy. - 2 cm gouge @ lower contact. Gyp ass'd w/ Chl vining + disst.		5	98			82	
85							Part 85. Gyp vining increasing; Chl stockwork still strong.						85	
									5	97			86	
													88	
									6	97			41327	97.1
90							2 msi Rj of Ann sil carbonate.							

HOLE NO.: R-19

PROJECT:

PAGE NO.: 7 OF 13

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: SLS,

SECTION	ALTERATION				FRACTURING	MINERAL GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.
	SLT	CLAY	OP	POSS.										
90							ARGILLITE - CONT'D.			90.5	17		91	
							4cm gouge.		5	91.6	70		94	41328
95							4cm gouge. Trachytic dike. 1cm gouge.	93.5-94.5 Trachytic part mineral dike - conspicuous "Christmas" talc, red-brown qtz, green patches of gm clay all in 20% subhedral feldspar; fine plg lathes, in gm.	4		70		91	41329
							1cm, Gyp. (Pg)	TR. MoS ₂ diss'd.		90.6			91	
							2cm, Pt ₂ -Pg.		3 1/2				91	41330
							1cm, Carb. Gyp - Pg - Gpy - Mo.	Part 91 - Carb. Gyp vlt increase. Pt ₂ vlt more intense.		91.7			100	
100							2 1/2 cm, Pt ₂ - (Pg-Gpy)	100.5-102 Pt ₂ vlt more intense.	5				102	41331
							Pg vlt @ 0-20 CA. 1cm.						102	
							POST MINERAL QUARTZ FELDSPAR PORPHYRY DIKE: 102-117.7			107.7				
105							25% gray quartz eyes, 3mm, 10% subhedral feldspar phenos, argillized, 5% acc. H. gm matrix (orig. 10 Bi?) altered to clays. Characteristic pale greenish gm's ophanitic, argillized. Same as RPP dike in R2312				98			

HOLE NO.: *PC-13*

PROJECT:

PAGE NO.: *8* OF *13*

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N.

E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: *BKB*

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.
	<i>572' 10"</i>	<i>CLAY</i>	<i>SEP</i>											
105							<i>200m dia w/ Rq. QFP DIKE - CONT'D.</i>			<i>120.0</i>	<i>12</i>		<i>105</i>	
							<i>1.2m dia</i>						<i>108</i>	
110													<i>111</i>	
							<i>3mm clay gouge, minor slip.</i>						<i>113</i>	
													<i>114</i>	
115							<i>1mm Gyp vls.</i>			<i>117.9</i>	<i>9</i>	<i>NOWL</i>	<i>117</i>	
							<i>NAVY contact @ 60° CA.</i>						<i>117</i>	
							<i>FELDSPAR FORMERY 117.7-</i>			<i>118.1</i>			<i>117</i>	
							<i>10m Rq - etc.</i>						<i>41332</i>	<i>90</i>
120							<i>118.4 - 118.7 QFP DIKE @ 300 CA. Same as above.</i>							
							<i>118.7 - 120 FWH zone. 80% w/ minor gouge (clay + clay)</i>							

HOLE NO.: 26-13

PROJECT:

PAGE NO.: 9 OF 13

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: BKB.

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
	SLT	CLAY	SEP.	BIOTITE												
120							<p>Py vhs 1-5 mm.</p> <p>2 mm Gyp vhs</p> <p>2 cm, Ptz - Py - Tz locally.</p> <p>2-3 vhs 1-3 mm.</p>	<p>FELDSPAR PORPHYRY - CONT'D</p> <p>Porphyritic texture not prominent, locally obliterated. Ptz vhs. mod, locally strong. Also locally pyrr. and covt. on sulphide vhs. 5 by 10 cm. and other feldspar phenos. at int. clays. 1st. Minor Bi phenos.</p> <p>2 mm Py. Gyp - covt. - black Gyp.</p>	4	121			4/333		0	
125							<p>Minor MoS₂ on Ptz.</p> <p>1 cm Py.</p> <p>1 cm Py. Gyp.</p> <p>2 cm, crushed chd Gyp.</p>	<p>Gyp as fine dissemination: locally.</p>	5				4/334		0	
130							<p>Py vhs, 1-2 mm</p> <p>2 mm Py vhs, 10/1 cm.</p> <p>6 cm, brn.</p> <p>1 dr. Gyp vhs 1-3 mm.</p> <p>5 cm, Ptz - Py - Gyp.</p> <p>1 cm Ptz - Py - (Gyp - MoS₂)</p> <p>2-4 mm Gyp vhs, 3/0.5 mm Ptz.</p>	<p>at 131.5 Ptz. ksp. covt. of Ptz. vhs. strong disse Gyp.</p> <p>Post 131, distinct increase in ratio Gyp:Py as dis 2. Also presence of chd & Bi pheno sites - totally ser'd. Possibly chd sp.?</p>	5 1/2				4/335		0	
													4/336		0	
													4/337		0	

NONIL

HOLE NO.: R-10

PROJECT:

PAGE NO.: 10 OF 13

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY:

BUB

SECTION	ALTERATION			FRACTURING	MINERAL GEOLOGY	COMMENTS:	AVE CORE RECY / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% RECY. SAMP. INT.
	5/2"	CLAY	Py										
135						<p>ALTERED BIOTITE PARADUITE - COND'D</p> <p>- possibly started @ 131, indicated by appearance of sand & Bz sils. Noticeable decrease in % total sulphides, increase in talc Gpy; Py as fine dissemin. V. dr. Bz stockwork. Greenish-cream col'd. Kspat, perth, assemblage? Also irregular cream col'd Kspat veins locally.</p> <p>138-139 irregular Kspat veins. Sh. MoS₂ dissemin. H.</p>						136	
140								3				139	
								3				142	
145								3				145	
								2 1/2				148	
150								2 1/2				150	

12m Bz-Gyp.
1mm Py-Sls.
1mm Bz.
Sh-Gyp 5mm
3mm Py-MoS₂.
NK Bz. minor
gouges like shing.

2mm Gpy Vll.
1mm sh'd Gyp Vll.

1mm gouges
1cm Bz along
Gyp Vll.

4cm Bz.
1cm Bz along
Vll.

NONL

HOLE NO.: R-12

PROJECT:

PAGE NO.: 11 OF 13

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: BJB.

SECTION	ALTERATION				FRACTURING	MINERAL GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.
	SPH	CLAY	SQP	PTAS										
150							<p>ALTERED BIOTITE PORPHYRY - CONT'D.</p> <p>2 cm. br'g.</p> <p>2 cm. br'g strong Syp vt.</p> <p>Trng. Py ft.</p> <p>Past 150. 1/2 wk cream cal'd, hd., locally - 20 Kapat?</p> <p>151.2-151.4 0.2 m br'g w/ clay - est. gauge. Past 150, numerous ch'ol. to gauge zones, narrow.</p> <p>Past 151, H₂ vining wk. mod.</p>	2 1/2				151		
155							<p>2 cm br'g.</p> <p>Syp vts in 0.1 m zone. Also 2 cm white H₂ vns.</p> <p>Past 155 - H₂ vining again strong.</p> <p>3 cm strong gauge w/ 2 cm Syp vt. strong lower contact.</p>	3				154		
160							<p>2 cm Cal gauge w/ Syp.</p> <p>2 cm br'g.</p> <p>Syp w/ Kapat envel. Bi (wk). H₂ vining strong. Hem diss'd and as veinline H₂ MoS₂ diss'd flakes, H₂ and ass'd w/ H₂ vns. Syp diss'd and w/ H₂ vns.</p> <p>Occasional Kapat vining, cream cal'd, associated w/ Syp and H₂ and by self. Also minor zones conspicuous porphyritic texture, w/ 20 gm. Bi (wk). H₂ vining strong. Hem diss'd and as veinline H₂ MoS₂ diss'd flakes, H₂ and ass'd w/ H₂ vns. Syp diss'd and w/ H₂ vns.</p>	3				157		
165							<p>Med Kapat ass'd w/ Syp and H₂ vns.</p> <p>H₂-Gyp-Py w/ Kapat envel.</p> <p>2 cm Gyp-Kapat.</p>	5				160		
													163	
													41347	
													41345	
													41344	
													41343	
													41342	
													41341	
													41340	
													41339	
													41338	
													41337	
													41336	
													41335	
													41334	
													41333	
													41332	
													41331	
													41330	
													41329	
													41328	
													41327	
													41326	
													41325	
													41324	
													41323	
													41322	
													41321	
													41320	
													41319	
													41318	
													41317	
													41316	
													41315	
													41314	
													41313	
													41312	
													41311	
													41310	
													41309	
													41308	
													41307	
													41306	
													41305	
													41304	
													41303	
													41302	
													41301	
													41300	

HOLE NO.: 12-19

PROJECT:

PAGE NO.: 12 OF 13

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N.

E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: BKB

SECTION	ALTERATION				FRACTURING	MINERAL GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT.
	SP	SO	SE	SA										
165							ALTERED BIOTITE PORPHYRY - CONT'D. 1mm. Kfs-Ry (Cpx) @ 165.6 3cm box w/ Kfs-Ry vining and chloritic Cpx v. w/ Kfs-Ry. 1949. 3cm box w/ Kfs + Kfs-Ry 2.57.6 15cm prominent green potash dike. 2" Bi or FR. 165 180 - locally 2" Bi or FR w/ Cpx & BP. 1cm Kfs-Ry-Cpx Ms. 1cm Kfs-Ry-Cpx-Ms. 3cm Kfs-Ry-Cpx Ms. w/ Kfs-Ry. Irregular orange - cream Kfs-Ry vining. 0.1m box.		3				166	
170									2 1/2				169	41348
175							1cm Chl. gouge. 175-176.4 Strong chloritic fault gouge @ 20 CA. 2" sampling which indicates normal fault. Increase in Kfs-Ry vining min. below fault.		2			NONE	175	41349
													175	41350
													175	41351
									3 1/2				178	41352
180							2.1m gouge + box. 1mm Qtz. Stk. FR @ 20cm sp w/ R. H.		2	178.7				8

6065 15 pages

LE NO.: 15-13.

PROJECT: POPLAR LAKE

PAGE NO.: 1 OF 13

OLLAR ELEV.: 200.24

GROUND ELEV.: 926.1

DATE STARTED: JUNE 21/78

REF. TO CLAIM CORNER:

COORDINATES: 5726000 N. 1254007 E.

DATE FINISHED: JUNE 22/78

SCALE: 1 CM = 1 M

INCLINATION: - 40°

BEARING: —

TOTAL DEPTH: 191.1 M

LOGGED BY: BXB.

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT.
	SP	CP	MP											
0							oxidized fracture noted down to 12.3 m.	94.5						
							SHICK - HP 0.0 - 0.24							
							OVER BURDEN 0.24 - 3.0							
							ARGILLITE 3 - 9.8							
5							<p>3.0 - 9.0 - Unusual section of pervasively siliceous, dk gray, massive to locally block spherulitic, 24-40% spherulite matrix. Over look conglomeratic texture (possibly primary?). Py - Hem - Goet w/ minor sil - calcite in matrix. Fr^s 50-60 CA.</p> <p>Py vhs w/ carb + goet.</p> <p>4cm gauge.</p> <p>11cm broken. carb + br^s.</p> <p>2 10cm Gpy vhs 11 CA.</p> <p>Contact @ 75° CA.</p>	2 1/2	5.2	71		3.0	41164	71
							3.0 - 9.0 more typical banded argillite, dk gray to tan in colour. Sil ^s .							
							BIOTITE PORPHYRY 9.8 - 13.7							
10							<p>- contains TR. Gpy disse. locally Py 1%+ disse.</p> <p>9.8 - 13.2 Fsp. clearly developed, accentuated by argillization.</p> <p>13.2 - 13.7 Fresh BP.</p>	11	11.3	92		9.0	41166	92
							3mm carb. Py.							
							Contact @ 75° CA.							
							ARGILLITE 13.7 - 24.4							
15							13.7 - 15 pct 3.0-9.0, spherulite perv. No matrix.							

6065

HOLE NO.: *11-13*

PROJECT:

PAGE NO.: *2* OF *13*

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N.

E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: *B.C.B.*

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	
15							<p>4.1-15.3 ARGILLITE - CONT'D.</p> <p>10m to 12m. G. 4.1-15.3 like mineral from purple dikes; same as 4.1-15.3. 3cm gauge.</p> <p>Subordinate textures less prominent post 17.0</p>		1 1/2	17.4	98		15	41168	98
20							<p>31.5</p> <p>2.1-3.1</p> <p>3.1-4.1</p> <p>4.1-5.1</p> <p>5.1-6.1</p> <p>6.1-7.1</p> <p>7.1-8.1</p> <p>8.1-9.1</p> <p>9.1-10.1</p> <p>10.1-11.1</p> <p>11.1-12.1</p> <p>12.1-13.1</p> <p>13.1-14.1</p> <p>14.1-15.1</p> <p>15.1-16.1</p> <p>16.1-17.1</p> <p>17.1-18.1</p> <p>18.1-19.1</p> <p>19.1-20.1</p> <p>20.1-21.1</p> <p>21.1-22.1</p> <p>22.1-23.1</p> <p>23.1-24.1</p> <p>24.1-25.1</p> <p>25.1-26.1</p> <p>26.1-27.1</p> <p>27.1-28.1</p> <p>28.1-29.1</p> <p>29.1-30.1</p> <p>30.1-31.1</p> <p>31.1-32.1</p> <p>32.1-33.1</p> <p>33.1-34.1</p> <p>34.1-35.1</p> <p>35.1-36.1</p> <p>36.1-37.1</p> <p>37.1-38.1</p> <p>38.1-39.1</p> <p>39.1-40.1</p> <p>40.1-41.1</p> <p>41.1-42.1</p> <p>42.1-43.1</p> <p>43.1-44.1</p> <p>44.1-45.1</p> <p>45.1-46.1</p> <p>46.1-47.1</p> <p>47.1-48.1</p> <p>48.1-49.1</p> <p>49.1-50.1</p> <p>50.1-51.1</p> <p>51.1-52.1</p> <p>52.1-53.1</p> <p>53.1-54.1</p> <p>54.1-55.1</p> <p>55.1-56.1</p> <p>56.1-57.1</p> <p>57.1-58.1</p> <p>58.1-59.1</p> <p>59.1-60.1</p> <p>60.1-61.1</p> <p>61.1-62.1</p> <p>62.1-63.1</p> <p>63.1-64.1</p> <p>64.1-65.1</p> <p>65.1-66.1</p> <p>66.1-67.1</p> <p>67.1-68.1</p> <p>68.1-69.1</p> <p>69.1-70.1</p> <p>70.1-71.1</p> <p>71.1-72.1</p> <p>72.1-73.1</p> <p>73.1-74.1</p> <p>74.1-75.1</p> <p>75.1-76.1</p> <p>76.1-77.1</p> <p>77.1-78.1</p> <p>78.1-79.1</p> <p>79.1-80.1</p> <p>80.1-81.1</p> <p>81.1-82.1</p> <p>82.1-83.1</p> <p>83.1-84.1</p> <p>84.1-85.1</p> <p>85.1-86.1</p> <p>86.1-87.1</p> <p>87.1-88.1</p> <p>88.1-89.1</p> <p>89.1-90.1</p> <p>90.1-91.1</p> <p>91.1-92.1</p> <p>92.1-93.1</p> <p>93.1-94.1</p> <p>94.1-95.1</p> <p>95.1-96.1</p> <p>96.1-97.1</p> <p>97.1-98.1</p> <p>98.1-99.1</p> <p>99.1-100.1</p>		2	20.4	47		20	41169	98
25							<p>31.5</p> <p>2.1-3.1</p> <p>3.1-4.1</p> <p>4.1-5.1</p> <p>5.1-6.1</p> <p>6.1-7.1</p> <p>7.1-8.1</p> <p>8.1-9.1</p> <p>9.1-10.1</p> <p>10.1-11.1</p> <p>11.1-12.1</p> <p>12.1-13.1</p> <p>13.1-14.1</p> <p>14.1-15.1</p> <p>15.1-16.1</p> <p>16.1-17.1</p> <p>17.1-18.1</p> <p>18.1-19.1</p> <p>19.1-20.1</p> <p>20.1-21.1</p> <p>21.1-22.1</p> <p>22.1-23.1</p> <p>23.1-24.1</p> <p>24.1-25.1</p> <p>25.1-26.1</p> <p>26.1-27.1</p> <p>27.1-28.1</p> <p>28.1-29.1</p> <p>29.1-30.1</p> <p>30.1-31.1</p> <p>31.1-32.1</p> <p>32.1-33.1</p> <p>33.1-34.1</p> <p>34.1-35.1</p> <p>35.1-36.1</p> <p>36.1-37.1</p> <p>37.1-38.1</p> <p>38.1-39.1</p> <p>39.1-40.1</p> <p>40.1-41.1</p> <p>41.1-42.1</p> <p>42.1-43.1</p> <p>43.1-44.1</p> <p>44.1-45.1</p> <p>45.1-46.1</p> <p>46.1-47.1</p> <p>47.1-48.1</p> <p>48.1-49.1</p> <p>49.1-50.1</p> <p>50.1-51.1</p> <p>51.1-52.1</p> <p>52.1-53.1</p> <p>53.1-54.1</p> <p>54.1-55.1</p> <p>55.1-56.1</p> <p>56.1-57.1</p> <p>57.1-58.1</p> <p>58.1-59.1</p> <p>59.1-60.1</p> <p>60.1-61.1</p> <p>61.1-62.1</p> <p>62.1-63.1</p> <p>63.1-64.1</p> <p>64.1-65.1</p> <p>65.1-66.1</p> <p>66.1-67.1</p> <p>67.1-68.1</p> <p>68.1-69.1</p> <p>69.1-70.1</p> <p>70.1-71.1</p> <p>71.1-72.1</p> <p>72.1-73.1</p> <p>73.1-74.1</p> <p>74.1-75.1</p> <p>75.1-76.1</p> <p>76.1-77.1</p> <p>77.1-78.1</p> <p>78.1-79.1</p> <p>79.1-80.1</p> <p>80.1-81.1</p> <p>81.1-82.1</p> <p>82.1-83.1</p> <p>83.1-84.1</p> <p>84.1-85.1</p> <p>85.1-86.1</p> <p>86.1-87.1</p> <p>87.1-88.1</p> <p>88.1-89.1</p> <p>89.1-90.1</p> <p>90.1-91.1</p> <p>91.1-92.1</p> <p>92.1-93.1</p> <p>93.1-94.1</p> <p>94.1-95.1</p> <p>95.1-96.1</p> <p>96.1-97.1</p> <p>97.1-98.1</p> <p>98.1-99.1</p> <p>99.1-100.1</p>		3	23.5	90		25	41170	92
25							<p>Contact @ 50' Ch.</p> <p>ARGILLITE becomes siliceous at contact.</p> <p>POST MINERAL FELDSPAR PORPHYRY DIKE.</p> <p>24.4 - 25.5</p> <p>20% anhedral sp. phenos set in m. gray aphanitic gr. 5% cov. Si at breaks. No sulphides. Fresh.</p>		-	26.5	95		25	41171	95
30							<p>3cm R-(Gy)</p> <p>ARGILLITE 25.6-35</p> <p>Dr grayish grey in colour, some sections clastic (2mm grain size). Argillic alteration locally porphyritic, associated w/ strong faulting. Minor gls as vhs + envelope.</p> <p>25.8 - FAULT CONE</p>		1 1/2	29.6	90		30	41172	92
											96				

HOLE NO.: 13

PROJECT:

PAGE NO.: 3 OF 13

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: B.V.B.

SECTION	ALTERATION			FRACTURING	MINERAL GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.
30						<p>ARCS LITTE - CONT'D.</p> <p>30.30 Bot. 100% white - brecciated. Many frags rounded. Possibly conglomerate bed? or rounded by total dissolution.</p>				96		30 41173	96
						<p>1 cm white calc. eff.</p>		32.6				41174	97
						<p>1 cm gouge.</p> <p>20-40% P₂O₅ eff. at 30 cm depth.</p>				97		35 41175	96
35						<p>1 cm gouge.</p> <p>PEBBLE CONCENTRATION ZONE 35-41.3</p> <p>Most pebbles rounded etc. some brown. Some dk. gray and light tan pebbles. Matrix occasional pebble att'd to clay ferrite. 9% pebbles primary features? or hydrothermal eff.?</p> <p>Minor P₂O₅ on many P₂O₅.</p>		35.7				41176	87
						<p>3 cm gouge.</p>						38 41177	96
						<p>3 cm gouge + br's.</p>				96		41178	96
						<p>6 cm gouge.</p>		38.7				41179	87
40						<p>15 cm gouge + br's. w/ P₂O₅.</p> <p>Post mineral dikes as described below @ 39.7-39.8 (50°C) and @ 40.3-40.9 (40°C)</p>				86		41180	96
						<p>POST MINERAL FEEDSOME PORPHYRY DIKE</p> <p>41.3-45.4</p>		41.8				41181	96
						<p>20-30% c. embedded feldspar, up to 3 mm, set in optically, H reddish breccia (hem.). 2% access. Bi. & fine trachytic textures in gm.</p>				98		41182	96
						<p>Intense gouge - talcose</p>						41183	96
45						<p>Throughout FP dike section, intense gouge w/ strong shear talc. <u>MAJOR FAULT ZONE</u></p>		44.9				41184	96

HOLE NO.: R-18

PROJECT:

PAGE NO.: 5 OF 13

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: BKB

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
60							ARGILLITE - CONT'D. As per 48.5 - 53.5			2 1/2	84			60		
							100% Py float thin - minor white young.							63.1		
							2 cm gauge 300m Py vts.	As per 55 - 58.5 Naturally more Py than in conglomerate than in argillite above. Sericite predominant over clay. Py in envelopes on Py fracture fillings and vts.		3	98			66.1		
65							100m Py vts shaded.	66.3 - 69.2 Gauge 2 by 3 <u>cont'd.</u>		1 1/2	94			69.2		
							100m Py vts, 2/2.1 m.							69.2		
70							Coib, 1mm.			1 1/2	98			72		
							9.5m sh'd Py in Cong.							72		
							2 cm massive Py.			5	97			75		

HOLE NO.: R-13

PROJECT:

PAGE NO.: 6 OF 13

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: BKB

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE RECY / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% RECY. SAMPLE INT.	E.M.
	SHALE	CLAY	SERPENTINE	Other												
75							CONGLOMERATE - CONT'D				753			75		
							<p>Qz calcite H.</p>			3 1/2		83		41191	88	
											783			78		
														41192		
														41193	98	
														41194		
														41195	95	
														41196		
														41197	98	
														41198		
														41199	98	
														41200		
														41201	98	
														41202		
														41203	98	
														41204		
														41205		
														41206	98	
														41207		
														41208		
														41209	98	
														41210		
														41211		
														41212	98	
														41213		
														41214		
														41215	98	
														41216		
														41217		
														41218	98	
														41219		
														41220		
														41221	98	
														41222		
														41223		
														41224	98	
														41225		
														41226		
														41227	98	
														41228		
														41229		
														41230	98	
														41231		
														41232		
														41233	98	
														41234		
														41235		
														41236	98	
														41237		
														41238		
														41239	98	
														41240		
														41241		
														41242	98	
														41243		
														41244		
														41245	98	
														41246		
														41247		
														41248	98	
														41249		
														41250		

HOLE NO.: 10-13

PROJECT:

PAGE NO.: 9 of 13

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: BKB.

SECTION	ALTERATION			FRACTURING	MINERAL GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT.
	576	241	552										
120						ARGILLITE (FORMATION) - CONT'D Rock still as described part 13, strong Mior. P ₂ and Carb as in 114 H. Tr. Cr.			121	93		120	89
						1 cm P ₂ -P ₃			124			120	94
125						2-3 vts. 5mm. 5mm P ₂ -Carb vH.				96		126	
						Dec. P ₂ vts, 1-4 @ 121.5 2 cm tan argillite band @ 45° CA. mm, 65-80° CA. 1 cm gouge? loose contact.			127.1			126	96
						7mm Ser. P ₂ vein. P ₂ vts increase freq. H. contact 3/0.1m				98		126	
130						130.2 - 133.2 Str. P ₂ ff. stock- work of Ser. crust.			130.1			131	95
						Regular dk-grey to blk hornfels. Tr Mg obs @ 131.1						131	
						132-133.2 Strong dk's & minor gouge. P ₂ ser. After argillite fragm. <u>FAULT</u>				93		131	93
						TRACHYTIC POST MINERAL DIKE 133.2-135.3			133.2			133.2	
						20% fine fspar lathes set in dk grey aphanitic gm. dec. calcite amygdale up to 8mm. Ep's of fspar lathes. Patchy clay all's - soft, H. greenish col.				95		133.2	95
135						Bx & zones in dike.						133.2	

HOLE NO.: *PC-13*

PROJECT:

PAGE NO.: *12* OF *13*

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N.

E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: *BKB.*

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP INT.			
	SP	CU	Fe	Other														
165								<p>POST MINERAL EP DILE - CONT'D.</p> <p>M gray in color, 20% large euhedral fyxar, 5-8 mm fine plag lattice in gm, fyxarite 3% occasional Bi clay with in plag plagioclase, also envelopes on fract and around a xenolith @ 166.2. Also pervasive (H. gm calc) east of left shearing.</p> <p>3mm carb vhs.</p>						41222	93			
														41223	97			
														41224	98			
170								<p>HAUSDORF PORPHYRY 168.5 - 171.7</p> <p>Similar to 168.5 - 171.7 local dark Bi phases. No red Bi phases seen. Greenish cast, chl. to fyxarite, w/ clay, disseminated Py and also calc. vhs. 1-2 mm @ 50-60' CA.</p> <p>@ 171.6 2-3 mm SN-Carb, on most slip planes No Bi EP. (unidentified chlorite)</p> <p>POST MINERAL EP DILE 171.7 - 174.5</p> <p>Some of 168.2, 168.5</p>									41225	98
														41226	98			
														41227	97			
175								<p>0.1mm intense gangue</p> <p>3mm Bi²⁺</p> <p>1mm sh. w/ Cal.</p> <p>Fault.</p>										
														41228	98			
180														41229	98			

HOLE NO.: PC-18

PROJECT:

PAGE NO.: 13 OF 13

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N.

E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: BKB.

SECTION	ALTERATION			FRACTURING	MINERAL GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	
	CLAY	SEP.	OTHER											
180						POST MINERAL FP DIKE - CONT'D.				98		181		
185						0.1 m bx ² + gouge. FELDSPAR PORPHYRY 184.5 - 191.1 As per section 151.5 - 164.2 Occasional short intercepts w/ 5-10% Si at breaks present. Fspar phenos arg ¹ , matrix ch ¹ . H ₂ -sens assemblage restricted to envelopes around P ₁ vth and H ₂ . MoS ₂ w/ some P ₁ FR ² . Also minor H ₂ vring.			96		185	41228	96	
						0.1 m bx ² + gouge w/ calcite vring. 1cm, H ₂ -Calc P ₁ - (MoS ₂) 2cm bx ² . H ₂ at hairline H.		2 1/2		98	NOMINAL	187	41229	98
190								3		98		187	41230	98
195								3		98		190	41231	98
						END OF HOLE @ 191.1 m.						191		

NO.: PC-17

PROJECT: BOPCAR

PAGE NO.: 1 of 16

ELLIPSE ELEV.: 885.15

GROUND ELEV.: 885.1

DATE STARTED: JUNE 19/76

REF. TO CLAIM CORNER:

COORDINATES: 5610.56

N. 12505.42 E.

DATE FINISHED: JUNE 20/76

SCALE: 1 cm = 1 m. (1:100)

INCLINATION: -50

BEARING: —

TOTAL DEPTH: 230.7

LOGGED BY: D.B.C.

0' SECTION	ALTERATION				MINERAL GEOLOGY	COMMENTS: Shading in alteration column = intensity of alteration: : Weak ~ Moderate ~ Strong	AVE CORE REC'Y / HOLE 98.0	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT	
	SILICA	CLAYE	SERICITE	CHALCOPRITE										
0						0.0 - 0.05 STICK-UP								
5						0.05 - 6.1 OVERBURDEN								
10						<p>FELOSPAR PORPHYRY FAULT ZONE 61m - 6157m</p> <p>- Area of gouge zones, sheared S.S., 3mm gypsum vit's s. (mostly) intermediary altered BFP (mostly qtz - sericite moderate to strong with remnant texture visible although vague in sections)</p> <p>BFP - 30-40% plagioclases (3mm) in alk. glasses</p> <p>st. sheared by scattered spots = calcite rich</p> <p>CB envelope or BFP.</p> <p>2cm. gyp vit.</p>		61			61	95	41088	95
15								0.8		95	N Q W L	9	41087	97.5
								1.0	1.09				41089	97.5
										99			41090	98.5
								1.0	1.40				41091	98.6
										98				

6065

16 pages

HOLE NO.: PC-17

PROJECT:

PAGE NO.: 2 OF 16

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: DBC

SECTION	ALTERATION				MINERAL GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT.	F M
	SILICA	CLAYS	SERICITE	POTASSIC										
15						gauge 15.0-15.6								
						FP: FAULT CONT.								
18						gauge 17.6-17.8		1.2	1.72	98		15	98.1	
												16	41091	
								1.2	2.02	102		17	41092	
												18	41093	
21						gauge 21.4-21.6		1.4		100		19	41093	
												20	41094	
24						gauge 24.0-24.2		2.34				21	41093	
												22	41094	
27						gauge 27.0-27.2		1.0	2.65	99		23	41094	
												24	41094	
30						gauge 30.0-30.2		1.2	29.6	99		25	41095	
												26	41095	
										98		27	41095	

HOLE NO.: PC-17

PROJECT:

PAGE NO.: 3 of 10

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: DBC

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	CLAY	SERICITE	POPHALITE												
23																
23							shared cu.	DESCRIPTIVE GEOLOGY								
23							shared cu.			15	98		A	41096	98	
23											32.6					
23										20	100			41097	100	
23											35.6					
23							6cm wide. by gorge			25	100		Z	41098	99.5	
23											38.7					
23							matrix dry clng ? 2mm pebb.			50	95			41099	95.5	
23							by coarsens to 2mm spots				41.7					
23							gorge.			40	100			41100	99.5	
23							gorge				44.8					
23											99					

HOLE NO.: PC-17
 COLLAR ELEV.:
 COORDINATES:
 DIRECTION:
 INCLINATION:

GROUND ELEV.:
 N. E.
 BEARING:

PROJECT:
 DATE STARTED:
 DATE FINISHED:
 TOTAL DEPTH:

PAGE NO.: 5 OF 16
 REF. TO CLAIM CORNER:
 SCALE:
 LOGGED BY: DBC

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	CLAYS	SERICITE	POTASSIC												
0								↑ FELDSPAR PORPHYRY : FAULT ZONE						60		
0.3							61.0-68.5 - BIOTITE PORPHYRY CONTACT ZONE	contact BP (plag(3mm)-30%, BI(1-3mm)-4% } stubby prismatic) with relatively fresh texture merges with fresh or moderately q-sericite or dark mod. silicified Feld P. The latter lacks the prismatic BI as well as the fine groundmass BI of the BP. Plag texture same similar. Contacts of BP appear patchy 10 steeply dipping - BP patches in FP - fine qtz eyes are integral part of BP. BI - well twinned, plag in BP	1.2		95			63	41106	95
0.6							61-61.5 - BP } 61.5-63.3 - FP } 63.3-68.5 mixed plagioclase & BP	white anorthite of plag likely in fresher sections - fine slot w. py stringers 6mm wide noble gouge 1cm w. py w/lt env. by 3cm thin noble gouge 3cm wide	1.2	63.1		98		66	41107	97.8
0.9							BIOTITE PORPHYRY 68.5 - 194.7	coarse fine qtz eyes seen in BP fairly fresh, green ser. plag becoming noticeable	0.7	66.1		98		68	41108	98
1.2								thin gyrolite 1cm w. trispar envelop dss HE HE - magt veinlet HE, some bleaching above 100 selvages on 440	0.1	69.2		98		69	41109	98
1.5									0.6	72.2		93		72	41110	73.7

HOLE NO.: PC-17

PROJECT:

PAGE NO.: 6 OF 16

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REP. TO CLAIM CORNER:

COORDINATES:

N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: DBC

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE RECY / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% RECY. SAMP. INT.
	SILICA	CLAYS	SERICITE	POTASSIC											
75							<p>BIOTITE PORPHYRY CONT.</p> <p>pink bleaching ^{thin} or noticeable around 60% of gypsum vltg.</p> <p>occasional 1cm 'clouds' of 2° BI appear</p> <p>v thin tan clay scum edges (1cm)</p>		77.2	93		75	76		
76							<p>10mm tan envelope</p> <p>pebb. gouge 3-5mm</p> <p>15mm w/ pebb. gouge 5.</p> <p>thin brown clay on 2nd vltg</p> <p>7</p> <p>77.8 - trace biotite</p>	<p>77.5 - FAULT ZONE - pebbles gouge, intense fract, shered</p> <p>77.6 30. 92. v. 3-2mm gouge pebbles</p>	78.2	98		76	96		
77									81.4	98		77	96		
78									07	93		78	93		
79							<p>3 BI → clay? bleached</p> <p>3cm wide zone (local)</p> <p>some clay</p>	<p>darkish mud</p> <p>11.2 (54.2)</p>	84.4	86		79	93		
80									07	86		80	93		
81									0.5	95		81	93		
82							<p>7mm vltg</p> <p>BI disappears in tan envelope - some clay - HE</p> <p>alteration EPP</p>	<p>disappears in tan envelope</p>	87.4	95		82	93		

HOLE NO.: PC-17

PROJECT:

PAGE NO.: 7 OF 16

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N. E.

DATE FINISHED:

SCALE:

DIP/CLINATION:

SHEATH:

TOTAL DEPTH:

LOGGED BY: DBC

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.		
	ILLINOIS	SEXY	SEXY	SEXY														
								<p>BIOTITE PORPHYRY CONT.</p> <p>-noticeable iron in biotite, qtz veins.</p> <p>(biotite in veins/areas, commonly fine envelopes)</p> <p>← GP fine stringer</p> <p>GP - patchy BP BP enclosed</p> <p>← green-grey matrix in red color in late quartz veins</p> <p>GP</p> <p>biotite, quartz in min. dike (fine 2mm x 1mm BZ with 50% grounded in a thin siliceous looking matrix) Pis. speck mag</p> <p>light - v. fine v. qtz 1/0.05m. density</p> <p>good siliceous vein texture</p> <p>quartz in qtz vein v. fine & cloudy</p>										
								<p>792-938) - 100% biotite bleached zone in BP envelopes zones (biotite with chlorophane) descends into (93.8-95.6) a region of BP (patchy BP) with pink, iron grounding of biotite light flesh colored (a. crystallized biotite) to a region of BP (95.6-102.4) with 70% biotite and mag, 30% very green sericite mag to a fairly continuous zone of 'fresh' BP (cloudy 2-97 patches (biotite) surrounded with a darker matrix and less pronounced biotite less altered mag etc.</p> <p>BP increases in biotite relative to BP in the calcic zone possibly due to the different min. compositions (especially 17-21)</p>										
											90.5	95		10				
												99		411/6	963			
											93.6			411/7	774			
												97		411/8	109			
											96.6			411/8				
												112		411/8				
														411/9	100			
											97.6			411/9				
												97		411/9				
											102.7			411/9				
												98		411/20	772			
											0.20			411/20				

ROLE NO.: PC-17

COLLAR ELEV.:

COORDINATES:

INCLINATION:

GROUND ELEV.:

R. E.

BEARING:

PROJECT:

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

PAGE NO.: 8 OF 16

REF. TO CLAIM CORNER:

SCALE:

LOGGED BY: DCX

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y	SAMP. INT.		
	CLAY	CLAY	CLAY	CLAY														
105							BIOTITE PORPHYRY CONT. - fine hair vltz in density $\approx 1/.05M$, low halos (some wisper) - fresh - weath' crust $\approx 1/3-4cm$ hair vltz, fruct. filling.				105.7	98			105		41121	98.7
							- wisper vlt. 1cm wide enveloped by gys & continuous 3x2cm rd blob. CB 41121 seen in figure			0.5		99			106		41122	99
							- micrite rich vltz, copper acicular diabase dibe, 13mm wide			0.5		99			111		41123	99
							108 gpy py ratio in thin vltz or sparse disseminations is normally 6:4-7:3 however most large sulfide occurrences i.e. blebs 2-8mm-1cm in vltz are 90-90% py. cpy 90% in fructs, vortlets.			0.6					114		41124	98.3
							- 2cm blk cpy (py) 112-114 - distinct spec in cpy 90-90% ^ 15 - 15cm blk cpy - gpy 44% sulphide (py) - 1mm cpy vlt 2-3mm wide - 940+90. env. by silice			0.8		99			117		41125	97.3
							- 10mm blk. silice rft 5 enveloping a thin vltz fruct of vlt 5mm wide - cpy - dark fig. diabase - offset py mineral dibe 3-4mm acicular dibe width indet. (at end of dibe)			0.5		98			119			97

ROLE NO.: PC-17

COLLAR ELEV.:

COORDINATES:

INCLINATION:

BROUND ELEV.:

N.

E.

BEARING:

PROJECT:

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

PAGE NO.: 9 OF 16

REF. TO CLAIM CORNER:

SCALE:

LOGGED BY: DBC

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.
	SLIM	CLAYS	SERICITE	PARASYL											
120							BIOTITE PORPHYRY CONT.							120	
							120.7-120.9 marks appearance of concentric blue-black 'clouds' of perhaps 20 BX, gypsum, chlorite (qtz-ser(?)), diam. 2-6mm				121	97		121	100
							123 - wisper flooding in g'mass							123	
							127.1 - 128.7 - intense wisper s. chlorite - small attr. of plug				124	101		124	97
							132-133 - large 7mm wide zones of intense chlorite - trispan attr							126	
											127.1	95		127	96.1
														128	
											130.1	100		129	95.1
														132	
											133.2	93		130	96.0
														135	

15m wide area of highly qtz attr around 2mm sq vit. blue black clouds in envelope, small 20BX on outside of envel - well attr 20BX shell (12 17)

black spots along vein 20BX (?)

6mm qtz vit with cpq blue (2x10mm) SA-SL flecks in CB envelope
2 cm ch (7-8mm) envelope around siliceous zone (7mm) around xCB (15mm-20mm) vein (1-1.5cm width) SA-SL ribs in CB plane

NOHW

HOLE NO.: PC-17

COLLAR ELEV.:

COORDINATES:

INCLINATION:

GROUND ELEV.:

N.

E.

BEARING:

PROJECT:

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

PAGE NO.: 11 OF 16

REF. TO CLAIM CORNER:

SCALE:

LOGGED BY: PBC

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT.
	CLAY	CHLORITE	OPALINE	OTHER											
1								BIOTITE PORPHYRY CONT. (% ass) 150- 2-82 iron as vesicles, MgFe increase, intense 156 2-82 iron glass banding, high density of 2-3 mm size (1/4-10 cm) 158 1900 (silica dissemination (75% py at 2-37)) 154.5	70.2 100.0		93			4/13/68	75
2							intense veins good NiS ₂ good NiS ₂ 3-4 mm thick				151.5	97		153	96.5
3							4 mm wide siliceous veins specimen 04 intense Cu, Ni specimen 05 157 158.2				154.5	96		153	97.9
4							limonite -20 mm of siliceous veins 3 mm w.				151.6	100	NDWL	156	100
5							162-165! - large sections of intense silica-chlorite- potassic alt'n (little or no grain texture left). Also diss. HE (2 mm veins) 2-17% 2-82 cloude (occasional) diss sulphide in s-cu-Fe alt'n 19-109%				160.6	100		162	97.9
6											163.7	95		4/14/0	97.9

HOLE NO.: PC-17

COLLAR ELEV.:

COORDINATES:

INCLINATION:

GROUND ELEV.:

N. E.

BEARING:

PROJECT:

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

PAGE NO.: 12 OF 16

REF. TO CLAIM CORNER:

SCALE:

LOGGED BY: DBC

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y	SAMP. INT.	
	OXIDATION	SILICIFICATION	SULPHIDATION													
165							<p>2mm py vein w. 2cm black 1.7cm py w. 1.5cm diam. black ore.</p>		50	166.7	95		165	41141	83	
170							<p>2mm</p> <p>1cm wide, py blebs</p>				98		166	41142	83	
175							<p>2.5cm wide nodules pebbly coarse matrix</p>		35	167.7			171	41143	83	
180							<p>1/2 mm wide, py blebs</p>		25	172.3			172	41143	107	
185							<p>3mm w.</p>						173	41144	103	
190							<p>1cm py. matrix coarse matrix dark blue</p>		07	176.3			174	41144	103	
195									06	176.3			175	41145	100	
200											100		176			

BIOTITE PORPHYRY CONT.
 assay may reveal % of this interval

over 161 - 172.8 - argillized sand py py appears
 in place of BP. Gradational after
 appears likely (contacts, textural
 consistency) but may be, if not
 altered BP, G/PP.

NONN

HOLE NO.: R-17

COLLAR ELEV.:

COORDINATES:

INCLINATION:

GROUND ELEV.:

N. E.

BEARING:

PROJECT:

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

PAGE NO.: 13 OF 16

REF. TO CLAIM CORNER:

SCALE:

LOGGED BY: DBC

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
	SILICA	SILICA	SILICA	ADAMANTINE												
185								BIOTITE MORPHRY CONT				150		41146	100	
187							1cm CR V. zone of 2" BT 1.5cm				15.9	101		41147	101	
188							1.5cm				25	186		41148	101	
189							188-194.7 - Andesite dike - dark red grey, trachytic to subtrachytic with a fine texture (1-2mm) lacks e. bathy Calcite amygdalae. mild to intensely argillitized & clay altered post mineral				40	100		41149	98	
192							aphanitic white post-mineral alite gouge zone				189			41150	99.7	
195							(ALTERED) BIOTITE MORPHRY 1947-				194.7	99		41151	99.7	

HOLE NO.: PC-17

PROJECT:

PAGE NO.: 14 of 16

DOLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: DBC

SECTION	ALTERATION				FRACTURING	MINERAL GEOLOGY	COMMENTS:	AVE CORE REC'D / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'D SAMP. INT.
	CLAY	SLAVES	SOULS	POSSIBLE										
							BIOTITE PORPHYRY CONT.							
							<p>intense CL alter</p> <p>fault box (2024) pyroxene, quartz, amphibole, 14 green, silicate, p. small dike of pyrox 8.5 mm width</p> <p>FAULT</p> <p>post-mineral dike</p> <p>FAULT</p> <p>noticeable increase in clay, faulted back into argillite-schist zone?</p> <p>2005</p> <p>2006</p> <p>2007</p> <p>2008</p> <p>2009</p> <p>2010</p> <p>2011</p> <p>2012</p> <p>2013</p> <p>2014</p> <p>2015</p> <p>2016</p> <p>2017</p> <p>2018</p> <p>2019</p> <p>2020</p> <p>2021</p> <p>2022</p> <p>2023</p> <p>2024</p> <p>2025</p> <p>2026</p> <p>2027</p> <p>2028</p> <p>2029</p> <p>2030</p> <p>2031</p> <p>2032</p> <p>2033</p> <p>2034</p> <p>2035</p> <p>2036</p> <p>2037</p> <p>2038</p> <p>2039</p> <p>2040</p> <p>2041</p> <p>2042</p> <p>2043</p> <p>2044</p> <p>2045</p> <p>2046</p> <p>2047</p> <p>2048</p> <p>2049</p> <p>2050</p> <p>2051</p> <p>2052</p> <p>2053</p> <p>2054</p> <p>2055</p> <p>2056</p> <p>2057</p> <p>2058</p> <p>2059</p> <p>2060</p> <p>2061</p> <p>2062</p> <p>2063</p> <p>2064</p> <p>2065</p> <p>2066</p> <p>2067</p> <p>2068</p> <p>2069</p> <p>2070</p> <p>2071</p> <p>2072</p> <p>2073</p> <p>2074</p> <p>2075</p> <p>2076</p> <p>2077</p> <p>2078</p> <p>2079</p> <p>2080</p> <p>2081</p> <p>2082</p> <p>2083</p> <p>2084</p> <p>2085</p> <p>2086</p> <p>2087</p> <p>2088</p> <p>2089</p> <p>2090</p> <p>2091</p> <p>2092</p> <p>2093</p> <p>2094</p> <p>2095</p> <p>2096</p> <p>2097</p> <p>2098</p> <p>2099</p> <p>2100</p>							
							<p>2cm x 0.5cm MnS₂ (1) under mic</p> <p>intense sil'n CLN</p> <p>1cm wide stringer py in box, silic zone</p> <p>pyrox, ps</p> <p>FAULT</p> <p>20A-2074 appearance of translucent (clouds) or eluvic (8mm spots) of 2-BI, 813 (silicate)</p> <p>back into schist zone?</p> <p>20</p>							
							<p>pre-mineral dike, highly altered w. 2-BI, 813, silica, CL.</p>							

HOLE NO.: **PC-17**

COLLAR ELEV.:

COORDINATES:

INCLINATION:

GROUND ELEV.:

N. E.

BEARING:

PROJECT:

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

PAGE NO.: **15** OF **16**

REF. TO CLAIM CORNER:

SCALE:

LOGGED BY: **DBC**

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT.
	OXIDE	SLAYS	SERICITE	HYDROTHERMAL											
2.0															
2.3															
2.4															
2.5															
2.6															
2.7															
2.8															
2.9															
3.0															
3.1															
3.2															
3.3															
3.4															
3.5															
3.6															
3.7															
3.8															
3.9															
4.0															
4.1															
4.2															
4.3															
4.4															
4.5															
4.6															
4.7															
4.8															
4.9															
5.0															
5.1															
5.2															
5.3															
5.4															
5.5															
5.6															
5.7															
5.8															
5.9															
6.0															

BIOTITE PORPHYRY CONT.

50. gauge
7.0m w. py stringer
120m w. " "

clouds of 2' or less
4-5mm diam

2.5cm py stringer

good size Mass

2.5cm

1.3cm

7cm py vein

NONE

RULE NO.: 18-16
 COLLAR ELEV.: 912.23
 COORDINATES: 1570-20
 INCLINATION: 90°

GROUND ELEV.: 912.7
 N. 12703.42 R.
 BEARING: —

PROJECT: POPLAR LAKE
 DATE STARTED: JUNE 16/75
 DATE FINISHED: JUNE 19/75
 TOTAL DEPTH: 260.9 m

PAGE NO.: 1 OF 18
 REF. TO CLAIM CORNER:
 SCALE: 1 CM = 1 M (1:100)
 LOGGED BY: JRB.

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS: Shading in alteration column = intensity of alteration: ∴ Weak Moderate Strong	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	M.	
	SPIN	CLAY	SOFT	OTHER													
0																	
5							2.0 - 2.18 STICK-UP										
10							2.18 - 12.5 OVERBURDEN.										
15							12.5 - 18.0. FELDSPAR PORPHYRY. 12.5 - 18.0 M. gr'd, characterized by blacky subbedial feldspar phenos, 3x5 mm. average, in f. gr'd to aphanitic matrix. Feldspar phenos strongly argillized. Matrix clays + sericite. Also remaining rock to str.		3		125	14.3	24	18	41001	75	

6065

HOLE NO.: PC-16

COLLAR ELEV.:

COORDINATES:

INCLINATION:

GROUND ELEV.:

N. E.

BEARING:

PROJECT:

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

PAGE NO.: 2 OF 18

REF. TO CLAIM CORNER:

SCALE:

LOGGED BY: BKB

SECTION	ALTERATION		FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.
15						FELDSPAR PORPHYRY - CONT'D. 6-12 ft as regular veins and stockwork. Mn 1-2% diss'd. Abundant Py as veins, vhs & disseminations. TR Coy.		3	17.4	99		15 41002	98
20						1/2" Glt. carb. Py. Mod gts veing & Py on FR's @ 50' CA.		1	3.4	98		18 41003	98
						18.0 - 20.3 BOTTLE FELDSPAR PORPHYRY, 18.0-20.3 N. gray in colour, 30% phenocrysts. Bi as books, subhedral, fresh, 5-10%. Epid. orig'd. Matrix pale wk silty. Vhls many green sericite after Bi. Py on FR's and diss'd. TR Coy. diss'd.						21 41004	78
						20.3 - 27.4 FELDSPAR PORPHYRY. As from 12.5-18.0.		2.5	23.5	98		22 41005	99
25						3cm gts vein of Py and TR Coy. 1.5m th Py. sil Ht.						23 41006	98
30						5cm clay gouge @ 50' CA. Py veing & FR's @ 75' CA of sil. envelopes.		1.5	36.5	99		24 41007	99
						Minor fault. 0.5 m broken core, strongly argillized on FW of fault.		2	29.6	97		25 41008	96.8

HOLE NO.: *14-16*

PROJECT:

PAGE NO.: *3* OF 18

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: *BUB*

SECTION	ALTERATION	FRACTURING	MINERAL GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.
30				<p>0.2 m broken calc Minor chert.</p> <p><u>FSPAR PORPHYRY - CONT'D.</u></p> <p>Locally 0.5-1 cm Mn. blotches of dk grey S₂S + Mn as aggregates.</p> <p>Calc. 37.8-39.1 cm. 32-33.14 Clay alt's in fissures less dominant Peru. P. 38-39.1 cm. H₂O - Ser.</p> <p>39 Calc. 39.1-40.0 cm. Minor slip.</p>						30	
35				<p>3 cm gouge.</p> <p>37.89-40.08: Po-phylitic texture vague. Increase in Ser + clays in groundmass. S₂S + Mn w/ Mn- Ser envelopes.</p>			32.9	94		41007	94
40				<p>40.08-40.84 <u>FAULT</u> S₂S + Gouge</p> <p>Post 40.84 Greyish - gr^o calc^o, patchy and as envelopes - chert.</p>			35.3	97		41008	97
45				<p>3 cm gouge.</p> <p>40.84-41.14 <u>FAULT</u> S₂S + Gouge</p> <p>Post 41.14 Greyish - gr^o calc^o, patchy and as envelopes - chert.</p>			38.7	97		41009	97
				<p>41.14-41.44 <u>FAULT</u> S₂S + Gouge</p> <p>Post 41.44 Greyish - gr^o calc^o, patchy and as envelopes - chert.</p>			41.8	93		41010	93
				<p>41.44-41.74 <u>FAULT</u> S₂S + Gouge</p> <p>Post 41.74 Greyish - gr^o calc^o, patchy and as envelopes - chert.</p>			44.8	97		41011	97
				<p>41.74-42.04 <u>FAULT</u> S₂S + Gouge</p> <p>Post 42.04 Greyish - gr^o calc^o, patchy and as envelopes - chert.</p>			44.8	97		41012	97

HOLE NO.: PC-16

PROJECT:

PAGE NO.: 5 of 18

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: BKB

SECTION	ALTERATION				FRACTURING	MINERAL GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT.	
	516-52	CLAY	SPHATIC	HAZARD											
60							<p>2 Py-Carb vts. 5mm.</p> <p>6cm gouge. Minor fault.</p> <p>FELDSPAR PARAPHYRY - CONT¹⁰</p> <p>618-628 Py v. sil's on NW of fault.</p>								
65							<p>528-590 MAJOR FAULT</p> <p>Intense br & and FR. log. Calc mostly solid w/ 0.5m gouge 50° CA @ 69.0. Excluded within fault zone, from 618 to 690, just mineral dikes, sphamitic, reddish tan. (Hem in grain?) in colour, w/ 50% fine slag lathes (trachytic) distinct cream calc'd alt's envelopes on NW and around FP inclusions. Calc's being irregular. One FP inclusion contains spec cpy.</p> <p>Irony calcite wing in NW dikes.</p>								
70							<p>690 - FP w/ 40-50% int. orig'd fexor phenos, matrix grayite grn assemblage of Qtz-Carb-cht. Remnant mafics visible. Argillitic alt's suite. Sil's as envelopes. Py veins, Fe's & envelopes.</p> <p>Py carb zone.</p>								
75							<p>3cm Qtz-carb</p>								

HOLE NO.: R-16

PROJECT:

PAGE NO.: 6 OF 18

DOLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N.

E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: BKB.

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE RECY / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% RECY. SAMP. INT.	M	
	SiO ₂	CLAY	SP	HAIRLINE													
75							<p>PH₂O - carb. icm. <u>FELDSPAR PORPHYRY - CONT'D.</u> - some chl. in vol. or Py frs.</p> <p>PH₂O - Py - carb 15mm. Fr. Clay.</p>			75.5	95		75				
										1/2	99		41023	99			
													79				
80							<p>PH₂O - Carb. icm. <u>Locally arg'd. Spars. heavy gold grain. Calc'd.</u> (wh? Bi?)</p> <p>x-cutting Py vth 3mm.</p> <p>4cm. gouge. <u>Minor fault.</u></p>			3	96		41024	96			
													81				
										3 1/2	97		41025	97			
													81.5				
85							<p>Hairline Py vth 2/PH. Also locally streaked. 15m carb w/ orange envelope.</p> <p>Heavy carb in BEP. Py vth. markedly less than imm. abets.</p> <p>3cm carb. <u>BIOTITE SPAR PORPHYRY</u> Conspicuous: blacky spars, strongly arg'd. Minor 2° Bi in gm.</p>			4	98		41026	98			
													82				
													84.5				
													87				
													87.5				
													88				
													89				
													89.2				
													90				
90							<p>2cm chl. in vol. <u>38.4 - 89.2 FELDSPAR PORPHYRY</u></p> <p><u>89.2 - 109.2 BIOTITE FELDSPAR PORPHYRY</u> Description to follow.</p>			2	100		41027	100			
													90				

HOLE NO.: *FR-16*

COLLAR ELEV.:

COORDINATES:

INCLINATION:

GROUND ELEV.:

N.

E.

BEARING:

PROJECT:

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

PAGE NO.: *7* of *18*

REF. TO CLAIM CORNER:

SCALE:

LOGGED BY: *SLS*

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT.
	SPH	CLAY	SER	OPAL											
90							<p>TR Carb FR vth. BIOTITE FELDSPAR FORMATION - <i>see 17 p.</i></p> <p>Characterized by blacky grey phenos, conspicuous when magillized, and 10% 2x3 mm fresh white beds. Also types include alternating patchy zones of <i>Opal</i> and <i>2° Bi</i>. Also tan-flesh calc envelopes on sulphide vth - <i>see 17 p.</i> Also <i>Opal</i> vth envelopes & <i>ser</i>.</p>		1/2	90.6	100		90	41028	94
95							<p>2 vth. <i>Opal</i> (m)</p> <p>3 carb vth 5mm.</p> <p>2 vth. Carb. <i>Opal</i> - 45m (black)</p> <p>3 vth -</p> <p>See 16. Increased <i>Opal</i> as veins and vth.</p>		1/2	93.57			95	41029	101
100							<p>2 vth. Carb. <i>Opal</i> - 5mm.</p> <p>3 vth -</p> <p>Minor <i>Opal</i> on <i>FR</i>'s. <i>Opal</i> and <i>ser</i> halos.</p> <p><i>FR</i> fillings. Minor <i>Opal</i> at dis^{ns}, on <i>FR</i>'s and in <i>Opal</i> veins. Past 102, 3° <i>Bi</i> & <i>Opal</i> minor to absent.</p> <p><i>Opal</i> & <i>ser</i> predominant w/ <i>Opal</i> at veins and <i>ser</i>.</p>		1	96.6			100	41030	98
105							<p>10 cm gouge + crush sulphides</p> <p>2cm <i>Opal</i> Carb. <i>Opal</i></p>		1	99.67			105	41031	98
									1/2	102.7			102	41032	97

HOLE NO.: PC-16

COLLAR ELEV.:

COORDINATES:

INCLINATION:

GROUND ELEV.:

N.

E.

BEARING:

PROJECT:

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

PAGE NO.: 3 of 18

REF. TO CLAIM CORNER:

SCALE:

LOGGED BY: BKS.

SECTION	ALTERATION		FRACTURING	MINERAL GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT.		
105					<p>BITTIE FELDSPAR PORPHYRY - CONT'D</p> <p>14.5' clay to sericite sil. med sil'z or encl. and occasional vts.</p> <p>R. in most etc and carb vts.</p>			1052	2	98	105	41033	98	
110					<p>100' H₂O R. (Ser)</p> <p>Non sized med'y.</p> <p>10 cm gouge</p> <p>3 " "</p> <p>Minor R. in irregular</p> <p>A carb, 4 cm</p>			1088	2	96	108	41034	96	
					<p>FELDSPAR PORPHYRY 109.2 - 121.0</p> <p>75% blocky, subhedral, 30-500µm -apat phenos., soft white to ivory green, vts to clay basaltic.</p> <p>20% irregular dk grey patches, to med. dk. enclages, R. Ser. R. in matrix. 10% Ser. (yellowish-green) of encl. on carb and etc vts. 10% Gp in etc vts & chert.</p> <p>10.9-11.2 FAULT. Strong clay-chlorite gouge @ 50° CA. w/ 7cm crushed R. on FN contact.</p>			1119	1/2	96	NONE	111	41035	96
115					<p>Str. & R. in ng.</p> <p>2.5 cm gouge.</p>			1149	2	94	114	41036	94	
					<p>17-17.5 Fault zone - 3 gouge zones @ 50° CA., 2.5 cm</p>			1180	2	95	117	41037	95	
120					<p>Fault. Part R. Ser prod over clays.</p>						120			

HOLE NO.: PC-16

PROJECT:

PAGE NO.: 10 OF 18

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: BKB.

SECTION	ALTERATION				FRACTURING	MINERAL GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES %	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y CORRECTED	
	SO ₂	CLAY	SER.	CHALC.											
135							<p>Handline stock-work - Py V. minor disse'</p> <p>BIOTITE MELLEDORITE PORPHYRY - CONT'D</p> <p>Sections of oxid. types prominent. Increase in S₂-Set adjacent to faults. 1st appearance of fresh calc. & paper envelopes @ 138.7. Increase in Fe veining past 139. Occasional patches 2^o Bi. Minor Qty acid w/ Py + (M₂), disse' and Fe's</p>						135		
							<p>1st app. paper as envelope at</p>	1	136.2	98			41043	99	
								2	139.3	99			139		
140										78			41044	87	
							<p>Py - (Tr Py) 3mm</p> <p>142.5 - 142.7 Intense biot + gouge. <u>Minor fault.</u></p>	2	142.3				41	41045	16:
										93			144		
145							<p>Bi², gouge + sh & Py.</p> <p>paper envelopes.</p> <p>Appearance of 2^o Bi as Fe fillings</p> <p>145.2 - 148.4 Mod-str. potassic CH². Paper as envelopes are sulphide Fe filling; 2^o Bi as envel, Fe. and also gm pervasive.</p>	2	145.4				47	41046	97
										99			147		
							<p>147.1 4th carb. Py.</p>	2	148.4				41047	73	
150										98			150		

HOLE NO.: *PC-12*

PROJECT:

PAGE NO.: *11* OF *18*

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: *BKB*

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y	
	SI	SI	SI												
150							Part 150, rock not porph in <i>th</i> , appears to be spot porph. Some <i>Bi</i> present, interstitial (<i>20%</i>). <i>Kspat</i> envelopes disappear past 150.5. Abundant <i>Hem</i> , dist. and <i>FR</i> stockwork 150.5. Looks like <i>py-Hem</i> (Cpx) at <i>th</i> fillings in stockwork. <i>Greenish</i> tinge to <i>alt</i> & <i>lipar</i> - clays & chlorite or clay + sericite?			151.5	98			150	9
155										154.5	98		153	9	
160							158.5-159.0 Along <i>Hem</i> in <i>th</i> stockwork. <i>15 cm Carb vhs w/ 12 grey sil chert material</i> 2 cm Carb vein w/ coarse <i>Cpx</i> - <i>Mt</i> .			157	88		156	9	
165							162.5 <i>Kspat</i> appears as envelopes again.			160.6	97		159	9	
										163.7	97		162	9	
							<i>BIOTITE FELDSPAR FERROPHYRY</i> 163.5-177 see description top of next page.						165	9	

NOWL

HOLE NO.: R-16

PROJECT:

PAGE NO.: 12 OF 18

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N.

E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: BKB.

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE RECY / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% RECY. SAMPLE INT.		
	CLAYS	SERPENTINE	PLAGIOCLASE												DESCRIPTIVE GEOLOGY	
165							<p><u>BIOTITE FELDSPAR PORPHYRY - CONT'D.</u></p> <p>Question lithologic contact above as texturally, BFP differs only from FP in presence of Bi, but most Bi appears interstitial (??) - some phenos present.</p> <p>152. Py, 1cm w/ Ksp envelope.</p> <p>152. Sub-R. MN - Cpy. 1cm.</p> <p>157.2, gr. dk grey in color (2. Bi), mod. strong Ksp envelope, abundant MN as Ft, noticeable increase in Cpy. 2 1/2 part. as well as vlt and envelopes.</p>		1/2	165	97		165	95		
170							<p>1cm MN vlt.</p> <p>171.4 - 177 Ksp flooding acid w/ strong Py - MN vlt.</p> <p>2cm MN vlt.</p> <p>2cm MN vlt, w/ Py - Cpy - Qtz - Carb.</p> <p>3cm sub-Py - (Cpy)</p> <p>6cm gouge.</p> <p>Minor fault.</p>		1/2	168	93		168	97		
175							<p>176 - 177 Bld texture, many rounded frag. Fault? Rotation. MN massive and diss.</p>			171	100		171	98		
180							<p><u>177 - 182.5 ARSENITE.</u></p> <p>Dk gray to blk., aphanitic, mod hd., hard to see. Intense Ft. stockwork, w/ Ft. vlt of Py - Cpy - MN. Mod str. vlt. White to cream cal'd envelopes are sulphide Ft, R-Ser 3, some Ksp 2. Black cal'd argillite - 3. Bi vs. primary cal'd 3.</p>		2	172.5		174	98		174	94
							<p>3cm heated br.</p>		2	175.5		177	88		177	92
										178.5		180	97		180	

HOLE NO.: PL-16

PROJECT:

PAGE NO.: 13 of 18

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARINGS:

TOTAL DEPTH:

LOGGED BY: BKB

SECTION	ALTERATION				FRACTURING	MINERAL GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT
	5/8" in	COALS	SPALTING	ARTIFICIAL										
180							ARGILLITE - CONT "						180	
							182-183 Short sections of bed argillite healed w/ massive Mn.		2	182	97		41058	97
							Def. Contact @ 60° CA. BIOTITE FELDSPAR PORPHYRY 182.5 - 187.5 1/2-1/4 (Cpy) to 1/2-1/4. Patchy grey-cast calc ⁿ (2.5) and med-stk. cream calc ⁿ (2.5) at envelope of 1/4-1/4 (Cpy) with 5% decrease in Mn vining.		1/2	187.5	98		41059	98
185							3 cm gouge @ Contact		1/2		97		41060	97
							POST MINERAL FELDSPAR PORPHYRY DIKE - 187.5 to 194.5		-	188.1			41061	98
							1/2 cm gouge. 20-25% blocky anhedral fspar phenos, up to 8mm across, set in m. gray ophanitic grt. Fine plug lathes in grt, also occasional 3mm gl ² eyes. Clay at 1/2 after feldspar phenos and also pervasive as 1/2 w/ faulting. Minor				100		41062	100
190							2 cm gouge			191.1			41063	98
							2 cm dia (gouge) calcite vining.						41063	98
							1 cm gouge						41063	98
							1 cm gouge @ Contact			194.2			41063	98
195											94		41063	98

HOLE NO.: PC-16

PROJECT:

PAGE NO.: 19 OF 18

COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: BKB.

SECTION	ALTERATION				FRACTURING	MINERAL GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. CLAIM UNIT
	SP	CP	IP	BP										
195							<p>P₂ + Qtz P₂ v. ite @ regular 40' CA. 7mm P₂ v. ite.</p>						194.5	
							<p>FELDSPAR PORPHYRY - 194.5 - 201</p> <p>Mod-str. sil₂ or v. ite, clags after paper phenos, patchy ser in gm. Fine diss & hematite locally.</p>	2		94			41064	94
										97.2			197	
								2		99			41065	99
200							<p>Induse Fe. locally w/ P₂.</p> <p>Mod str v. ite contain P₂ (sp)</p>			200.2			200	
							<p>BIOTITE FELDSPAR PORPHYRY 201 - 202.5</p> <p>Again no signif difference from FP, except for appearance of books Bi and Bi in gm. Paper envelop. 1/4" M. Qtz v. ite. 2" Bi in gm.</p>	1/2		98			41066	98
							<p>FELDSPAR PORPHYRY 202.5 - 209.2</p>			203.3			203	
							<p>Qtz - P₂ - Qtz in cut by 2 Carb v. ite.</p>						41067	98
205							<p>Sh'd Qtz - P₂ - (Qtz) Ch'd.</p> <p>M - P₂ - P₂ - (Qtz) 1 1/2 cm.</p> <p>Heavy M. v. ite over 5cm, at Qtz - P₂ - (Qtz)</p> <p>2 gouge zones, 3cm. Sh'd Carb - Chl - P₂ 1cm gouge</p>	1/2		98			41068	98
							<p>2cm P₂ - M - Qtz</p> <p>2cm gouge @ 15' CA.</p>			206.3			206	
							<p>BIOTITE FELDSPAR PORPHYRY DIKE 207.6 - 207.8.</p> <p>Sharp definite contact w/ FP. 1mm M. seam @ contact.</p>	1/2		98			41068	98
							<p>ARGILLITE 209.2 - 213.7</p> <p>description next page.</p>			209.4			209	
210											100			

HOLE NO.: *PC-16*

PROJECT:

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: *BKB*

SECTION	ALTERATION				FRACTURING	MINERAL GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y		
	SO ₂	CLAY	IRON	ARSENIC												
210							<p><u>ARGILLITE - CONT'D</u></p> <p>M. grey to blk, granularly bed'd w/ former col., clay opacified, hornfelsed. Patchy greenish-grey to tan sil², also in envelopes (see ?). Blk at vms & envelopes.</p> <p>212.8 - 213.7 B&P dikes</p> <p><u>PAST MINERAL FELDSPAR PORPHYRY DIKES</u> 213.7 - 214.9</p> <p>30% 5mm antedial plg phenos (arg²), set in pale green, argillized, gm. 5% acc. Si² as look, 3-5mm, ch'd. Occasional carb vms. No sulphide.</p>		1 1/2	100		212.4	213	410.65	100	
215							<p>3mm gouge minor shear.</p> <p>3cm gouge + bx's.</p> <p>12cm thing + bx's w/ Py.</p>		1 1/2		95		215	410.72	95	
220							<p><u>ARGILLITE 219.9 - 223.6</u></p> <p>Py as ff in hauline stockwork.</p> <p>Blk Py - Carb. 2cm</p> <p>Py as ff si.</p> <p>TR. Gp noted.</p> <p>FP dikes @ 219.9 - 220.2, 220.4 - 220.5, 221.4 - 221.5.</p> <p><u>FELDSPAR PORPHYRY 223.6 - 226.8</u></p> <p>clay/sil² assemblage, porph. texture distinct, minor sil² vms, porph. sil² adj. shear and faults.</p>		2	221.6	99		219.9	223	410.74	99
225							<p>3cm gouge @ contact 60° CA.</p> <p>3cm Py + massives.</p> <p>gouge + bx's</p>				96		224.6	410.75	98	

HOLE NO.: PC-16

PROJECT:

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: BKB.

SECTION	ALTERATION				FRACTURING	MINERAL GEOLOGY	COMMENTS:	AVE CORE RECY / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% RECY. SAMP. INT.	
	52	64	76	88											
225							<p><u>FELDSPAR PORPHYRY - CONT.</u></p> <p>Narrow zone gouge + crushed sulphides black + diss. Hem. @ 227 Patch of BFP Grad. 1 w/ FP. FP diff. 3cm gouge + br. 2. Alt. facies than BFP?</p> <p>Alterations in this FO section: fpx phenos arg. clay / sericite in matrix (pale green, soft). Alt. w/ and envelopes.</p> <p>w/ Py + Tr Cpy. Py. 5mm., w/ pink Carb + Hem.</p>	1/2		96			226	98	
230								1	227.7				41076	98	
										100			229		
								1	230.7				41077	100	
													231		
										99			41078		
								1/2	233.3				41078	97	
													235		
235							<p>7mm Py vtt. 1/2 cm, Carb. Py - Chl. 3cm Carb. Py.</p> <p>Part 232 Chl. as constituent of Py vtt. Also increase Cpy in Py vtt.</p> <p>Alt. - Py 10cm gouge of Py - Carb vtt.</p>							94	
							<p><u>236.3 - 238.3 Fault zone</u> discontinuous zones of gouge + br. up to 0.5m wide.</p>	2 1/2	236.3				41079	96	
							<p><u>ARGILLITE 236.8 - 238.4</u></p>						238		
							<p><u>FELDSPAR PORPHYRY 238.4 - 241.3</u></p> <p>Noticeable increase Cpy as diss. 2, and in vtt. of Alt. + Py.</p>	2	239.3				41080	94	

NOV

HOLE NO.: *PC-15*

PROJECT:

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: *BKB*

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y
<i>240</i>	<i>SP-10</i>	<i>CHALC</i>	<i>SP-10</i>	<i>Argillitic</i>			<i>FELDSPAR PORPHYRY - Zone 1</i>							
							<i>ARGILLITE: 241.3 - 250.4</i>				<i>94</i>		<i>241</i>	
							<i>@ 242.1 7mm EP chert @ 30° CA.</i>		<i>1/2</i>	<i>242</i>			<i>41081</i>	<i>9</i>
							<i>1cm Slt-Gy.</i>							
							<i>241-245 Strandy bed argillite + gouge zones up to 0.5m @ 40° CA <u>FAULT</u> zone</i>							
							<i>AN: appearance of chlorite in the argillite + gouge zone.</i>				<i>100</i>		<i>41082</i>	<i>14</i>
<i>245</i>							<i>Patchy chlorite throughout below fault zone.</i>		<i>1/2</i>	<i>246</i>			<i>41083</i>	<i>14</i>
							<i>30° Slt-Gy-Py-Carb (174)</i>						<i>41084</i>	<i>14</i>
							<i>1cm Slt-Carb-Py (94)</i>						<i>41083</i>	<i>14</i>
							<i>1cm gouge</i>						<i>41083</i>	<i>14</i>
							<i>2cm Slt-CH-Carb Py</i>		<i>1</i>	<i>249</i>			<i>41083</i>	<i>14</i>
							<i>Def Contact @ 26° CA</i>						<i>41084</i>	<i>14</i>
<i>250</i>							<i>@ 250.0 0.5m intensely frd, bed Crs.</i>						<i>41084</i>	<i>14</i>
							<i>POST MINERAL DIKE - QUARTZ FELDSPAR PORPHYRY 250.4 - 253.1</i>						<i>41084</i>	<i>14</i>
							<i>2cm gouge</i>						<i>41084</i>	<i>14</i>
							<i>6cm gouge</i>						<i>41084</i>	<i>14</i>
							<i>Minor fault.</i>						<i>41084</i>	<i>14</i>
							<i>Def contact @ 35° CA.</i>						<i>41085</i>	<i>14</i>
<i>255</i>							<i>ARGILLITE 253.1 - 260.9</i>				<i>97</i>		<i>41085</i>	<i>14</i>

