2.17369

PENTLAND FIRTH VENTURES LTD.

DRILL HOLE RECORD

Property: CARR PROJECT: McCORMICK & CARR OPTION
EASTING: 4400.000
NORTHING: 3350.000
Elevation: .000
Grid: PENTLAND FIRTH 1994
Collar Azi.: 189
Collar Dip: -50
Local Ref: \Ref1
Hole Length: 356.0 metres
Print Date: 7 May, 1997

*** Dip Tests ***

Depth	Azi.	Dip
50	190	-49
100	189	-46
150	191	-45
200	193	-44
250	195	-44
300	198	-44
350	198	-44
356	198	-44

Drill Hole: PMC-01
Township: CARR
Claim #: Parcel 99 SEC & L-1114457
Date Started: MAY 23, 1995
Completed: MAY 30, 1995
Logged by: R.M. LANDRY
Date(s) Logged: MAY 30, 1995
Drilled by: NOREX DRILLING LTD.
Core Size: BQ
Company: PFVL

Purpose: TO TEST IP ZONE AT PROJECTED INTRUSIVE/SEDIMENT CONTACT AREA
Hole Condition: Collar at 168m North, 17m West of #1 Post, L-1114457. Casing pulled.
Comments: CORE STORED at the Marlhill Mine, Hoyle Township, Timmins

From (m)	To (m)	Rock Type	Geology
.0	28.3		OVERBURDEN
28.3	32.0		GREYWACKE LITHOLOGY: fine grained, light grey, greywackes predominate with minor argillite beds. ALTERATION: very weak calcareous alteration emanates from localized fractures. SULPHIDES: trace to 0.5% disseminated pyrite. STRUCTURE: weak layering at 50 to 65 degrees to the core axis, RQD of 90.
32.0	50.4		QUARTZ FELDSPAR PORPHYRY LITHOLOGY: light grey green, medium grained, quartz feldspar felsic intrusive. Interval displays well-developed porphyry texture. 60% subhedral to euhedral feldspar laths and 40% whiteish quartz eyes. ALTERATION: pervasive weak to moderate sericitic alteration and localized

Sample	From (m)	To (m)	Lngt (m)	SUL (%)	CU (%)	AU (gpt)	AURE (gpt)	AUAV (gpt)
7528	32.0	33.0	1.0	.1		.01		.01
7529	33.0	34.0	1.0	.1		.01		.01
7530	36.0	37.0	1.0	.3		.02		.02
7531	40.5	41.5	1.0	.1		.11	.21	.16
7532	47.5	48.5	1.0	.1		.00		.00
7533	48.5	49.5	1.0	.2		.00		.00
7534	49.5	50.4	.9	.1		.00		.00

42A09SW0170 2.17369 CARR

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Hole No: PMC-01

From (m)	To (m)	Rock Type	Geology	Sample	From (m)	To (m)	Lngt (m)	SUL (%)	CU (%)	AU (gpt)	AURE (gpt)	AUAV (gpt)
			calcareous carbonate alteration associated with fractures. SULPHIDES: TR-0.3% finely disseminated pyrite, locally enriched pyrite at QUARTZ VEINs. STRUCTURE: weak fracturing at various angles to the core axis. 32.0 33.0 Trace fine grained pyrite. 33.0 34.0 Trace disseminated fine grained pyrite with trace chalcopyrite. 36.0 37.0 Trace disseminated fine grained pyrite and QUARTZ VEIN associated pyrite. 40.5 41.5 Trace disseminated fine grained pyrite with 10 mm stringer and associated carbonatized alteration. 47.5 48.5 Trace disseminated fine grained pyrite with .5 mm stringer. 48.5 49.5 Disseminated fine grained pyrite. 49.5 50.4 Disseminated fine grained pyrite.									
50.4	64.1		GREYWACKE LITHOLOGY: fine grained light grey sediments with minor argillite interbeds. ALTERATION: very weak calcareous alteration. SULPHIDES: TR-0.4% disseminated pyrite. STRUCTURE: weak foliation at 55 degrees to the core axis. RQD of 95-100. At 63.4 meters QFP xenolith IN THE GREYWACKE with SHARP contacts. 50.4 51.4 Trace fine grained pyrite. 58.6 59.5 Trace disseminated fine grained pyrite. 63.0 64.1 Trace disseminated fine grained pyrite.	7535 7536 7537	50.4 58.6 63.0	51.4 59.5 64.1	1.0 .9 1.1	.1 .1 .2		.00 .01 .00		.00 .01 .00
64.1	86.5		QUARTZ FELDSPAR PORPHYRY LITHOLOGY: light green grey, medium grained, quartz feldspar porphyryitic intrusive.	7538 7539 7540 7541	64.1 65.0 66.0 70.5	65.0 66.0 67.0 70.9	.9 1.0 1.0 .4	.2 .1 .1 .2		.00 .00 .00 .00		.00 .00 .00 .00

From (m)	To (m)	Rock Type	Geology	Sample	From (m)	To (m)	Lngt (m)	SUL (%)	CU (%)	AU (gpt)	AURE (gpt)	AUAV (gpt)
			- 60% feldspar laths and 40% whiteish quartz eyes.	7542	76.0	77.0	1.0	.3		.01		.01
				7543	77.4	78.2	.8	.3		.05	.05	.05
			ALTERATION: pervasive weak to moderate sericitic alteration and localized calcareous carbonate alteration associated with fractures.	7544	80.3	81.4	1.1	.5		.02		.02
				7545	86.0	86.5	.5	.1		.00		.00
			SULPHIDES: TR-0.3% finely disseminated pyrite, locally enriched pyrite at QUARTZ VEINs.									
			STRUCTURE: moderate foliated at 55 degrees to the core axis. Weak fracturing at various angles to the core axis. RQD of 90 to 100.									
			At 80.7 meters 1 cm stringer with associated pyrite.									
			64.1 65.0 Trace disseminated fine grained pyrite.									
			65.0 66.0 Trace disseminated fine grained pyrite.									
			66.0 67.0 Trace disseminated fine grained pyrite.									
			70.5 70.9 Trace disseminated fine grained pyrite with trace chalcopyrite.									
			76.0 77.0 Trace disseminated fine grained pyrite.									
			77.4 78.2 Trace disseminated fine grained pyrite.									
			80.3 81.4 Trace disseminated fine grained pyrite with 1 cm stringer with associated fracture filling mineralization.									
			86.0 86.5 Trace finely disseminated pyrite.									
86.5	93.2		GREYWACKE	7546	86.5	87.2	.7	.4		.00		.00
				7547	92.3	93.2	.9	.4		.01		.01
			LITHOLOGY: fine grained light grey greywacke predominates with minor argillite bands.									
			ALTERATION: very weak calcareous alteration.									
			SULPHIDES: TR-0.4% fine grained disseminated pyrite.									
			STRUCTURE: moderately developed foliation at 48 degrees to the core axis. RQD of 95-100.									
			86.5 87.2 Bracket sample with 0.4% fine grained and coarse grained pyrite associated with minor quartz stringers.									
			92.3 93.2 Same as above.									
93.2	97.0		QUARTZ FELDSPAR PORPHYRY									

From (m)	To (m)	Rock Type	Geology	Sample	From (m)	To (m)	Lngt (m)	SUL (%)	CU (%)	AU (gpt)	AURE (gpt)	AUAV (gpt)
				7548	93.2	94.2	1.0	.6		.01		.01
				7549	94.2	95.0	.8	.5		.00		.00
			LITHOLOGY: green grey felsic porphyry.	7550	95.0	96.0	1.0	.8		.07	.05	.06
				7551	96.0	97.0	1.0	.5		.00		.00
			ALTERATION: pervasive weak to moderate sericitic alteration and localized calcareous carbonate alteration associated with fractures.									
			SULPHIDES: TR-0.3% finely disseminated pyrite, locally enriched pyrite at QUARTZ VEINs.									
			STRUCTURE: moderate foliation at 55 degrees to the core axis. Weak fracturing at various angles to the core axis. RQD of 95-100.									
			93.2 94.2 0.5-0.8% fine grained pyrite with trace chalcopyrite and trace bornite. 94.2 95.0 0.4-0.8% fine grained and coarse grained pyrite with quartz veinlets. 95.0 96.0 0.6-1.0% fine grained and coarse grained pyrite. 96.0 97.0 0.4-0.7% fine grained disseminated pyrite.									
97.0	107.2		GREYWACKE									
				7552	97.0	97.5	.5	.2		.01	.01	.01
				7553	97.5	98.5	1.0	.3		.00		.00
			LITHOLOGY: fine grained light grey to grey greywacke with with minor interbedded argillite.	7554	103.2	104.0	.8	.1		.01		.01
				7555	106.5	107.2	.7	.1		.01		.01
			ALTERATION: very weak calcareous alteration.									
			SULPHIDES: TR-0.3% fine grained disseminated pyrite.									
			STRUCTURE: moderate foliation at 48 degrees to the core axis. RQD of 95-100.									
			97.0 97.5 0.1-0.2% pyrite fine grained with minor quartz-calcite. 97.5 98.5 0.2-0.3% finely disseminated pyrite with 1 cm QUARTZ VEIN and associated pyrite. 103.2 104.0 TR-0.1% fine grained disseminated pyrite. 106.5 107.2 Bracket sample with TR-0.1% fine grained disseminated pyrite.									
107.2	111.8		QUARTZ FELDSPAR PORPHYRY									
				7556	107.2	108.2	1.0	.5		.01		.01
				7557	108.2	109.0	.8	.4		.01		.01

From (m)	To (m)	Rock Type	Geology	Sample	From (m)	To (m)	Lngt (m)	SUL (%)	CU (%)	AU (gpt)	AURE (gpt)	AUAV (gpt)
			LITHOLOGY: light grey green, quartz feldspar porphyry.	7558	109.0	110.0	1.0	.7		.01		.01
			- Porphyritic texture, 60% feldspar laths and 40% whiteish quartz eyes.	7559	110.0	111.0	1.0	1.0		.01		.01
				7560	111.0	111.8	.8	1.0		.00		.00
			ALTERATION: pervasive weak to moderate sericitic alteration and localized calcareous carbonate alteration associated with fractures.									
			SULPHIDES: TR-0.6% disseminated pyrite, locally enriched pyrite at QUARTZ VEINs with trace chalcopyrite.									
			STRUCTURE: very weakly foliated at 40 degrees to the core axis. Weak fracturing at various angles. RQD OF 95-100.									
			107.2 108.2 0.3-0.6% pyrite with trace chalcopyrite.									
			108.2 109.0 0.3-0.5% pyrite with trace chalcopyrite.									
			109.0 110.0 0.6-0.8% fine grained pyrite.									
			110.0 111.0 0.5-1.0% fine grained and cubic pyrite.									
			111.0 111.8 0.7-1.0% fine grained and cubic pyrite with quartz veinlets.									
111.8	188.7		GREYWACKE	7561	111.8	112.8	1.0	.1		.05		.05
				7562	124.0	125.0	1.0	.1		.00		.00
			LITHOLOGY: light grey to grey fine grained sediments.	7563	125.0	126.0	1.0	.5		.02		.02
			Interval comprised of greywacke with minor argillite bands.	7564	126.0	127.0	1.0	.1		.01		.01
				7565	131.0	132.1	1.1	.1		.01		.01
			ALTERATION: very weak calcareous alteration.	7566	134.0	135.0	1.0	.2		.01		.01
				7567	139.0	140.0	1.0	.1		.00		.00
			SULPHIDES: TR-0.3% fine grained disseminated pyrite with localized coarse grained cubic pyrite associated with veins.	7568	140.0	141.0	1.0	.3		.01		.01
				7569	141.0	142.0	1.0	.4		.00		.00
				7570	142.0	143.0	1.0	.2		.00		.00
			STRUCTURE: moderately developed foliation at 48 degrees to the core axis RQD of 95-100.	7571	143.0	144.0	1.0	.1		.00		.00
				7572	146.0	147.0	1.0	.1		.01		.01
				7573	147.0	148.0	1.0	.1		.00		.00
				7574	152.0	153.0	1.0	.5		.05		.05
			111.8 112.8 TR-0.1% fine grained disseminated pyrite.	7575	162.8	163.8	1.0	.2		.04		.04
			124.0 125.0 Trace fine grained disseminated pyrite with very minor quartz stringers.	7576	171.5	172.5	1.0	.7		.01		.01
				7577	172.8	173.7	.9	.3		.01		.01
			125.0 126.0 0.4-0.8% fine grained disseminated pyrite with coarse grained cubic pyrite.	7578	186.7	187.7	1.0	.4		.02		.02
				7579	187.7	188.7	1.0	.5	.01	.01	.01	.01
			126.0 127.0 TR-0.2% fine grained disseminated pyrite with very minor quartz-calcite veinlets.									
			131.0 132.1 TR-0.2% fine grained disseminated pyrite with minor quartz-calcite stringers.									
			134.0 135.0 TR-0.4% very fine grained disseminated pyrite with very minor quartz									

From (m)	To (m)	Rock Type	Geology
			veinlets. 139.0 140.0 TR-0.3% fine grained disseminated pyrite. 140.0 141.0 TR-0.2% fine grained disseminated pyrite. 141.0 142.0 TR-0.5% fine grained pyrite associated with quartz-calcite stringers. 142.0 143.0 TR-0.3% fine grained pyrite with very minor quartz stringers at various angles to the core axis. 143.0 144.0 TR-0.2% fine grained pyrite with minor quartz-calcite stringers and veinlets. 146.0 147.0 Same as above. 147.0 148.0 Same as above. 152.0 153.0 0.3-0.5% fine grained and coarse grained pyrite with trace chalcopyrite and very minor quartz veinlets. 162.8 163.8 TR-0.2% coarse grained pyrite with minor quartz veinlets weak argillite bands. 171.5 172.5 0.5-1.0% coarse grained pervasive pyrite with associated quartz stringers. 172.8 173.7 TR-0.4% coarse grained and fine grained disseminated pyrite with very minor quartz-calcite veinlets. 186.7 187.7 TR-0.4% coarse grained pyrite and trace chalcopyrite with minor quartz veinlets. 187.7 188.7 0.3-0.7% fine grained disseminated and coarse grained pyrite with minor quartz veinlets.
188.7	199.7		ARGILLITE LITHOLOGY: a distinct unit of moderate to abundant light grey-green fine grained sediments, muds and minor greywacke. - Possible Marker Unit. Numerous quartz veinlets at various angles to the core axis. ALTERATION: moderate to abundant sericite, with weak ankerite development. SULPHIDES: 0.3-2.0% fine grained and coarse grained disseminated pyrite with TR-0.4% chalcopyrite and trace bornite and pyrrhotite. STRUCTURE: moderate foliation at 48 degrees to the core axis. RQD of 95-100. 188.7 189.7 1.0-1.5% fine grained pyrite with trace bornite and trace chalcopyrite, minor quartz veinlets. 189.7 190.2 0.3-0.5% fine grained pyrite with very minor pyrrhotite and

Sample	From (m)	To (m)	Lngt (m)	SUL (%)	CU (%)	AU (gpt)	AURE (gpt)	AUAV (gpt)
7580	188.7	189.7	1.0	1.0	.04	.00		.00
7581	189.7	190.2	.5	.5	.10	.14		.14
7582	190.2	190.7	.5	3.0	.58	2.67	2.88	2.78
7583	190.7	191.7	1.0	1.0	.01	.02		.02
7584	191.7	192.7	1.0	1.0	.01	.02		.02
7585	192.7	193.7	1.0	.6	.01	.01		.01
7586	193.7	194.7	1.0	.4	.01	.01		.01
7587	194.7	195.7	1.0	.2	.01	.01		.01
7588	195.7	196.7	1.0	.3	.02	.03	.04	.04
7589	196.7	197.7	1.0	.3	.01	.02		.02
7590	197.7	198.7	1.0	.2	.02	.01		.01
7591	198.7	199.7	1.0	.2	.03	.02		.02

From (m)	To (m)	Rock Type	Geology
			chalcopyrite. 190.2 190.7 1.5-2.0% fine grained pyrite with 1.0% fine grained chalcopyrite associated with quartz veinlets, trace bornite. 190.7 191.7 0.7% fine grained pyrite with TR-0.3% chalcopyrite and trace pyrrhotite. 191.7 192.7 1.0% fine grained pyrite with minor quartz veinlets. 192.7 193.7 0.6% fine grained disseminated pyrite with minor quartz veinlets. 193.7 194.7 0.4% fine grained disseminated pyrite. 194.7 195.7 0.2% fine grained pyrite with trace chalcopyrite and minor quartz stringers. 195.7 196.7 0.3% fine grained pyrite with minor quartz veinlets. 196.7 197.7 0.3% fine grained disseminated pyrite with trace chalcopyrite. 197.7 198.7 0.2% fine grained disseminated pyrite minor quartz veinlets. 198.7 199.7 0.2% fine grained disseminated pyrite minor quartz veinlets.
199.7	259.3		GREYWACKE LITHOLOGY: fine grained light grey sediments with minor argillite bands. Local quartz veinlets at 45-55 degrees to the core axis. ALTERATION: very weak ankerite alteration. SULPHIDES: TR-0.3% fine grained disseminated pyrite with localized coarse grained cubic pyrite associated with veins. STRUCTURE: moderate foliation at 48 degrees to the core axis. RQD of 95-100. 199.7 200.7 0.4% fine grained disseminated pyrite associated with quartz veinlets 200.7 201.5 0.4% coarse grained pyrite with associated quartz vein. 201.5 203.0 0.3% fine grained disseminated pyrite and minor quartz-calcite stringers. 203.0 204.4 0.2% fine grained pyrite with very minor quartz-calcite stringers. 204.4 205.9 Same as above. 205.9 207.3 Same as above. 209.0 210.0 TR-0.2% fine grained disseminated pyrite with minor quartz veinlet parallel degrees to the core axis. 214.5 215.0 0.3-0.6% fine grained pyrite associated with quartz-calcite stringers 219.0 220.0 TR-0.2% fine grained pyrite with very minor quartz-calcite stringers. 220.0 221.0 TR-0.3% pyrite associated with quartz veinlets at 45 degrees to the core axis. 224.0 225.0 TR-0.2% fine grained disseminated pyrite with minor quartz-calcite stringers.

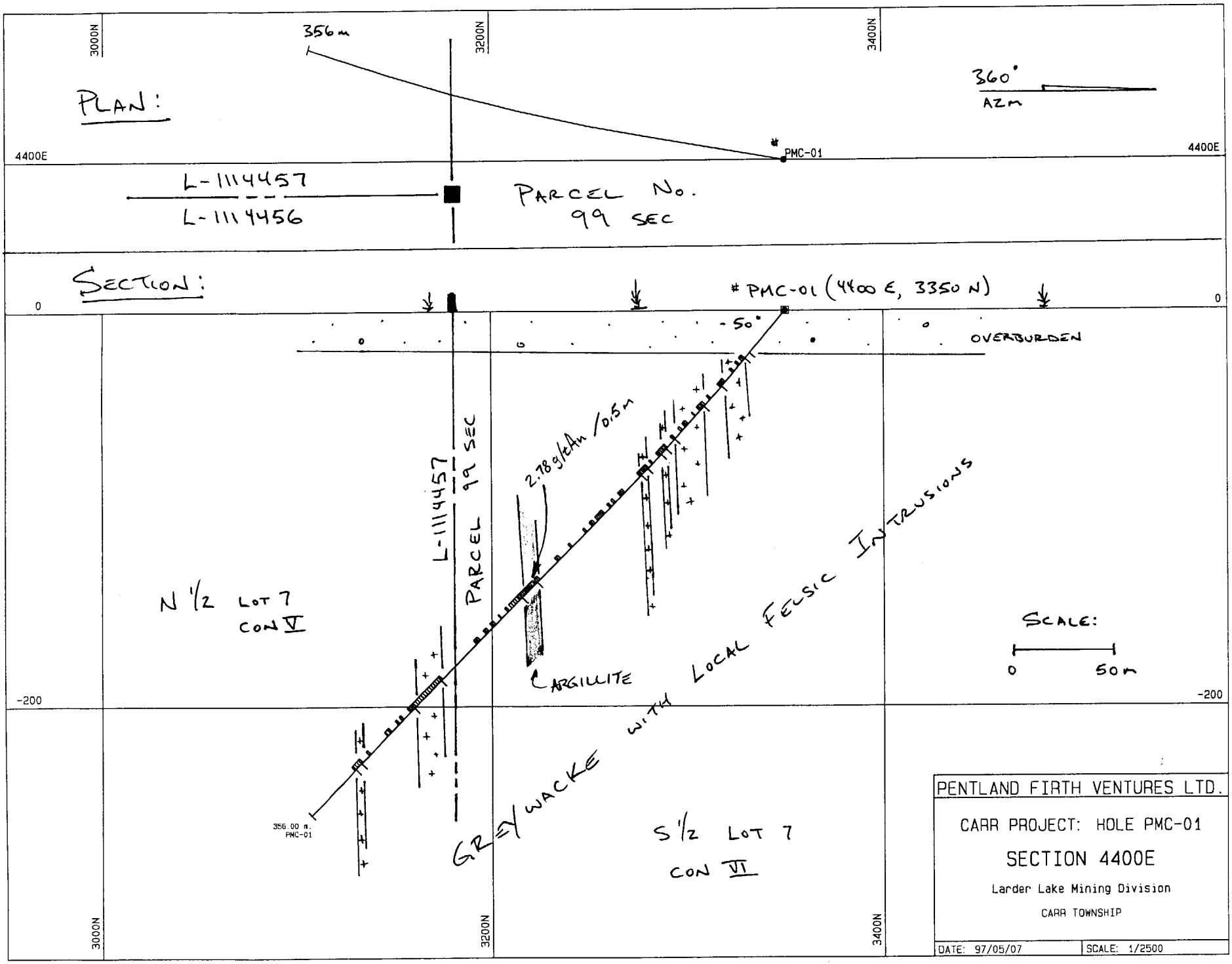
Sample	From (m)	To (m)	Lngt (m)	SUL (%)	CU (%)	AU (gpt)	AURE (gpt)	AUAV (gpt)
7592	199.7	200.7	1.0	.4	.01	.02		.02
7593	200.7	201.5	.8	.4	.00	.19		.19
7594	201.5	203.0	1.5	.3	.01	.07	.05	.06
7595	203.0	204.4	1.4	.3	.02	.03		.03
7596	204.4	205.9	1.5	.3		.03		.03
7597	205.9	207.3	1.4	.3		.04	.03	.04
7598	209.0	210.0	1.0	.2		.01		.01
7599	214.5	215.0	.5	.5		.00		.00
7600	219.0	220.0	1.0	.2		.01		.01
7601	220.0	221.0	1.0	.3		.00		.00
7602	224.0	225.0	1.0	.2		.01		.01
7603	225.0	226.0	1.0	.3		.03		.03
7604	230.4	231.4	1.0	.3		.02	.01	.01
7605	231.4	232.1	.7	.4		.01		.01
7606	232.1	233.1	1.0	.3		.01		.01
7607	258.3	259.3	1.0	.1		.01		.01

From (m)	To (m)	Rock Type	Geology
			225.0 226.0 TR-0.4% same as above. 230.4 231.4 TR-0.4% same as above. 231.4 232.1 TR-0.4% coarse grained pyrite associated with quartz-calcite stringers. 232.1 233.1 TR-0.3% fine grained pyrite disseminated with minor quartz-calcite stringers. 258.3 259.3 0.1% fine grained disseminated pyrite bracket sample.
259.3	279.0	+ + +	QUARTZ FELDSPAR PORPHYRY LITHOLOGY: light grey green medium grained quartz feldspar porphyry. - local quartz veinlets at various angles to the core axis. ALTERATION: pervasive weak to moderate sericitic alteration and localized ankeritic carbonate alteration associated with fractures. SULPHIDES: TR-0.6% disseminated pyrite, locally enriched pyrite at QUARTZ VEINs with trace chalcopyrite. STRUCTURE: weakly foliated at 40 degrees to the core axis. RQD of 95-100. 259.3 260.5 TR-0.3% fine grained disseminated pyrite and 0.1% pyrrhotite with minor quartz-calcite stringers at various angles to the core axis. 260.5 262.0 Same as above. 262.0 263.4 0.3-0.5% fine grained pyrite with minor quartz-calcite stringers. 263.4 264.9 0.6-1.0% fine grained and coarse grained pyrite at 20-45 degrees to the core axis with minor quartz veinlets. 264.9 266.3 0.3-0.5% fine grained pyrite with minor quartz stringers. 266.3 267.8 0.5-0.8% fine grained pyrite associated with quartz grains minor quartz stringers and veinlets. 267.8 269.2 0.6-0.8% fine grained disseminated pyrite associated with minor quartz veinlets. 269.2 270.7 0.5% fine grained pyrite with minor quartz-calcite stringers and veinlets. 270.7 272.1 Same as above. 272.1 273.6 Same as above. 273.6 275.1 Same as above. 275.1 276.5 Same as above. 276.5 278.0 0.4% pyrite with minor quartz stringers. 278.0 279.0 Same as above bracket sample.

Sample	From (m)	To (m)	Lngt (m)	SUL (%)	CU (%)	AU (gpt)	AURE (gpt)	AUAV (gpt)
7608	259.3	260.5	1.2	.4		.03		.03
7609	260.5	262.0	1.5	.4		.08		.08
7610	262.0	263.4	1.4	.5		.03		.03
7611	263.4	264.9	1.5	.8		.53	.52	.52
7612	264.9	266.3	1.4	.5		.19		.19
7613	266.3	267.8	1.5	.8		.41		.41
7614	267.8	269.2	1.4	.6		.06		.06
7615	269.2	270.7	1.5	.5		.02	.03	.02
7616	270.7	272.1	1.4	.5		.02		.02
7617	272.1	273.6	1.5	.5		.02		.02
7618	273.6	275.1	1.5	.5		.08		.08
7619	275.1	276.5	1.4	.5		.10		.10
7620	276.5	278.0	1.5	.4		.06		.06
7621	278.0	279.0	1.0	.4		.05		.05

From (m)	To (m)	Rock Type	Geology	Sample	From (m)	To (m)	Lngt (m)	SUL (%)	CU (%)	AU (gpt)	AURE (gpt)	AUAV (gpt)
279.0	318.7		GREYWACKE	7622	279.0	280.0	1.0	.2		.10	.10	.10
			LITHOLOGY: fine grained, light grey sediments with local argillite interbeds.	7623	280.0	281.0	1.0	.4		.14		.14
				7624	281.0	282.0	1.0	.3		.18		.18
			Local quartz veinlets at 45-55 degrees to the core axis.	7625	287.0	288.0	1.0	.3		.02		.02
				7626	290.0	291.0	1.0	.5		.07		.07
			ALTERATION: weak ankerite alteration with minor quartz-calcite stringers and veinlets at various angles to the core axis.	7627	296.0	297.0	1.0	.3		.03		.03
				7628	297.0	298.5	1.5	.3		.05		.05
				7629	298.5	299.0	.5	.5		.04		.04
			SULPHIDES: TR-0.3% fine grained disseminated pyrite with localized coarse grained cubic pyrite associated with veins.	7630	312.0	313.0	1.0	.5		.02		.02
				7631	317.7	318.7	1.0	.2		.02		.02
			STRUCTURE: moderate foliation at 48 degrees to the core axis. RQD of 95-100.									
			279.0 280.0 0.2% fine grained disseminated pyrite with very minor quartz stringers, bracket sample.									
			280.0 281.0 0.3% fine grained pyrite associated with quartz-calcite stringers at 10 degrees to the core axis.									
			281.0 282.0 Same as above.									
			287.0 288.0 0.3% fine grained disseminated pyrite with minor quartz stringers and veinlets.									
			290.0 291.0 0.3% fine grained pyrite and 0.2% coarse grained cubic pyrite associated with quartz-calcite veinlet moderate to abundant sericite alteration.									
			296.0 297.0 0.3% fine grained pyrite associated with quartz-calcite stringers, moderate to abundant sericitic alteration.									
			297.0 298.5 Same as above.									
			298.5 299.0 0.5% pyrite associated with minor quartz-calcite stringers and veinlets.									
			312.0 313.0 TR-0.2% fine grained disseminated pyrite with 0.4% coarse grained cubic pyrite associated with quartz veinlet.									
			317.7 318.7 Bracket sample with trace fine grained pyrite.									
318.7	322.8		QUARTZ FELDSPAR PORPHYRY	7632	318.7	320.0	1.3	.8		.05		.05
				7633	320.0	321.5	1.5	1.0		.05		.05
			LITHOLOGY: light grey green medium grained quartz feldspar porphyry. Porphyry texture, 80% feldspar laths and 20% whiteish quartz eyes.	7634	321.5	322.8	1.3	1.0		.20		.20
			ALTERATION: pervasive weak to moderate sericitic alteration and localized ankeritic carbonate alteration associated with fractures.									

From (m)	To (m)	Rock Type	Geology	Sample	From (m)	To (m)	Lngt (m)	SUL (%)	CU (%)	AU (gpt)	AURE (gpt)	AUAV (gpt)
			SULPHIDES: TR-0.6% disseminated pyrite, locally enriched pyrite at QUARTZ VEINs with trace chalcopyrite. STRUCTURE: weakly foliated at 40 degrees to the core axis. Weak fracturing at various angles to the core axis. RQD OF 95-100. 318.7 320.0 0.8% fine grained pyrite, moderate to abundant sericitic alteration. 320.0 321.5 1.0% fine grained pyrite moderate to abundant sericitic alteration. 321.5 322.8 Same as above.									
322.8	356.0		GREYWACKE	7635	322.8	323.8	1.0	.3		.18	.18	.18
			LITHOLOGY: fine grained light grey sediments with a moderate number of argillite interbeds. Local quartz veinlets at 45-55 degrees to the core axis. ALTERATION: weak ankerite alteration assoc. With the minor quartz-calcite stringers and veinlets. SULPHIDES: TR-0.3% fine grained disseminated pyrite. Localized coarse grained cubic pyrite associated with veins. STRUCTURE: moderate foliation at 48 degrees to the core axis. RQD of 95-100. At 356 meters End of the Hole. CASING REMOVED. 108 Samples sent to Swastika Labs Ltd.									


PLAN:
3000N
3200N
3400N
356 m
360°
AZm
4400E
4400E
PMC-01
L-1114457
L-1114456
PARCEL No.
99 SEC
SECTION:
0
0
* PMC-01 (4400 E, 3350 N)
-50°
OVERBURDEN
2.78 g/t Au / 0.5 m
L-1114457
PARCEL 99 SEC
N 1/2 LOT 7
CON VI
ARGILLITE
GREYWACKE WITH LOCAL FELSIC INTRUSIONS
SCALE:
0
50 m
-200
-200
356.00 m.
PMC-01
S 1/2 LOT 7
CON VI
3000N
3200N
3400N
PENTLAND FIRTH VENTURES LTD.
CARR PROJECT: HOLE PMC-01
SECTION 4400E
Larder Lake Mining Division
CARR TOWNSHIP
DATE: 97/05/07
SCALE: 1/2500

2.17869

PENTLAND FIRTH VENTURES LTD.

Property: CARR PROJECT: Bennett & Garret Properties
EASTING: 3900.000
NORTHING: 3250.000
Elevation: .000
Grid: PFVL 1994
Collar Azi.: 160
Collar Dip: -50
Local Ref: \Ref1
Hole Length: 350.0 metres
Print Date: 8 May, 1997

DRILL HOLE RECORD

*** Dip Tests ***

Depth	Azi.	Dip
50	162	-50
100	167	-51
150	170	-51
200	171	-52
250	174	-52
300	176	-51
350	179	-50

Drill Hole: PMC-02
Township: Carr
Claim #: Parcels 15763 & 15745 SEC
Date Started: MAY 31, 1995
Completed: JUN 5, 1995
Logged by: R.M. LANDRY
Date(s) Logged: JUN 10, 1995
Drilled by: NOREX DRILLING LTD.
Core Size: BQ
Company: PFVL

Purpose: Test an IP feature adjacent to the Sediment-Intrusive contact
Hole Condition: 22m CASING downhole. CORE STORED at the Marlhill Mine, Hoyle Twp, Timmins
Comments: 100m West, 50m North of the Southeast corner of Parcel 15763 SEC

From (m)	To (m)	Rock Type	Geology	Sample	From (m)	To (m)	Lngt (m)	SUL (%)	CU (%)	AU g/t	AURE g/t	AUAV g/t
.0	22.8		OVERBURDEN									
22.8	62.2		GREYWACKE	7636	33.7	34.7	1.0	.1		.04		.04
				7637	34.7	35.8	1.1	1.2		.06	.05	.05
			A mixed interval of interbedded sediments; 50% greywackes, 40% argillites and 10% sandy sediments.	7638	35.8	36.8	1.0	.2		.00		.00
				7639	61.2	62.2	1.0	.2		.00		.00
			At meters 32.4 to 33.0 coarse grained sediment. Possible Pebble Conglomerate.									
			Local quartz stringers at 40-50 degrees to the core axis.									
			ALTERATION: very minor ankeritic alteration.									
			SULPHIDES: tr-0.4% fine grained and coarse grained pyrite with 0.4% localized chalcopyrite associated with local quartz veinlets at 10 degrees to the core axis									
			STRUCTURE: Well Bedded at 40 to 50 degrees to the core axis.									
			Ripples and Graded Bedding indicate that YOUNGING is in a downhole direction, to the SOUTH.									

From (m)	To (m)	Rock Type	Geology	Sample	From (m)	To (m)	Lngt (m)	SUL (%)	CU (%)	AU g/t	AURE g/t	AUAV g/t
			33.7 34.7 0.2% fine grained pyrite with minor quartz-calcite stringers, bracket sample. 34.7 35.8 0.6% fine grained disseminated pyrite with 0.6% chalcopyrite associated with quartz stringers. 35.8 36.8 0.2% fine grained pyrite with very minor quartz-calcite stringers, bracket sample. 61.2 62.2 0.2% fine grained disseminated pyrite with minor quartz-calcite stringers, bracket sample.									
62.2	70.2		QUARTZ FELDSPAR PORPHYRY	7640	62.2	63.2	1.0	.5		.00		.00
			LITHOLOGY: light grey green grey porphyry to moderately hard with phenocrysts composed of 60% feldspar laths and 40% quartz eyes.	7641	63.2	64.2	1.0	.5		.00		.00
				7642	64.2	65.2	1.0	.7		.01		.01
			ALTERATION: very minor ankeritic alteration associated with wallrock fragments, local weak to moderate sericitic alteration.	7643	65.2	66.2	1.0	1.0		.07		.07
				7644	66.2	67.2	1.0	.4		.04		.04
				7645	67.2	68.2	1.0	.6		.01		.01
				7646	68.2	69.2	1.0	1.0		.00		.00
			SULPHIDES: 0.5 to 1.0% fine grained - coarse grained pyrite disseminated to associated with the wallrock inclusions - fragments.	7647	69.2	70.2	1.0	.4		.01		.01
			STRUCTURE: massive to very weakly foliated at 45 degrees to the core axis. Fractures at 50 degrees to the core axis. RQD of 95-100.									
			At 70.2 meters contact at 35 degrees to the core axis.									
			62.2 63.2 0.5% fine grained pyrite adjacent to very minor quartz stringers. 63.2 64.2 0.5% coarse grained pyrite associated with fragments. 64.2 65.2 0.7% fine grained disseminated pyrite with very minor quartz stringers. 65.2 66.2 1.0% fine grained disseminated pyrite with minor fracture-filled quartz stringers. 66.2 67.2 0.4% fine grained disseminated pyrite. 67.2 68.2 0.6% fine grained and coarse grained subhedral. 68.2 69.2 1.0% coarse grained fracture-filled pyrite. 69.2 70.2 0.4% fine grained pervasive pyrite.									
70.2	126.9		GREYWACKE	7648	70.2	71.0	.8	.2		.00		.00
			LITHOLOGY: Interbedded fine sediments intruded by 30% QFP.	7649	78.0	79.0	1.0	.1		.00		.00
				7650	79.0	80.0	1.0	.7		.01		.01
			Host wackes are light grey, fine grained to medium grained, well layered-bedded.	7651	80.0	81.0	1.0	.7		.01		.01
			Minor, 10%, black very fine grained argillites.	7652	81.0	82.3	1.3	1.0		.01		.01
				7653	82.3	83.8	1.5	.2		.01		.01
			At 79.0 meters to 82.3 QFP.	7654	83.8	85.0	1.2	.1		.01		.01

From (m)	To (m)	Rock Type	Geology	Sample	From (m)	To (m)	Lngt (m)	SUL (%)	CU (%)	AU g/t	AURE g/t	AUAV g/t
			At 85.0 meters to 89.0 QFP.	7655	85.0	86.5	1.5	1.0		.05		.05
			At 93.9 meters to 96.2 QFP.	7656	86.5	87.5	1.0	1.0		.00		.00
				7657	87.5	88.1	.6	.1		.00		.00
			* intrusive contacts display weak chill margins.	7658	88.1	89.0	.9	.8		.02		.02
				7659	89.0	90.0	1.0	.2		.00		.00
			ALTERATION: very minor ankeritic alteration.	7660	92.4	93.9	1.5	.1		.01		.01
				7661	93.9	95.0	1.1	1.0		.04		.04
			SULPHIDES: tr-0.5% fine grained to coarse grained pyrite, localized minor chalcopyrite associated with occasional quartz veinlets at 10 degrees to the core axis.	7662	95.0	96.2	1.2	.7		.04		.04
				7663	96.2	97.2	1.0	.2		.00		.00
				7664	106.0	106.8	.8	.2		.06		.06
				7665	106.8	108.3	1.5	.5		.04	.03	.04
			STRUCTURE: Well Bedded at 40 to 50 degrees to the core axis.	7666	108.3	109.3	1.0	.3		.01		.01
				7667	125.9	126.9	1.0	.3		.00		.00
			Local GRADED BEDDING indicate YOUNGING downhole, to the SOUTH.									
			Intrusive is locally very weakly foliated, at 56 degrees to the core axis.									
			70.2 71.0 Bracket sample 0.2% fine grained pyrite in sediment.									
			78.0 79.0 Bracket sample 0.1% very fine grained pyrite in sediment.									
			79.0 80.0 0.7% fine grained disseminated pyrite in QFP.									
			80.0 81.0 0.7% fine grained pyrite with minor quartz stringers at 47 degrees to the core axis in QFP.									
			81.0 82.3 1.0% fine grained pyrite with minor quartz-calcite stringers.									
			82.3 83.8 0.2% fine grained finely disseminated pyrite with pyrite also associated with fragments.									
			83.8 85.0 Same as above.									
			85.0 86.5 1.0% fine grained to coarse grained pyrite with minor quartz and quartz-calcite veinlets in QFP.									
			86.5 87.5 Same as above.									
			87.5 88.1 Trace to 0.1% fine grained disseminated pyrite.									
			88.1 89.0 0.6-0.9% coarse grained pyrite QFP.									
			89.0 90.0 0.2% coarse grained cubic pyrite with quartz-calcite stringers.									
			92.4 93.9 0.1% coarse grained cubic pyrite associated with fractures.									
			93.9 95.0 0.7% coarse grained pyrite with 0.3 fine grained chalcopyrite in QFP.									
			95.0 96.2 0.6% fine grained to medium grained pyrite with minor quartz-calcite stringers and 0.1% chalcopyrite in QFP.									
			96.2 97.2 0.2% fine grained pyrite with minor quartz-calcite stringers in QFP.									
			106.0 106.8 0.2% coarse grained pyrite associated with fracture and minor quartz-calcite stringers in sediment.									
			106.8 108.3 0.5% fine grained disseminated pyrite with minor quartz-calcite stringers in QFP.									
			108.3 109.3 0.2% fine grained and coarse grained pyrite associated with fracture and stringers in sediment.									
			125.9 126.9 Bracket sample, 0.3% fine grained and coarse grained pyrite									

From (m)	To (m)	Rock Type	Geology	Sample	From (m)	To (m)	Lngt (m)	SUL (%)	CU (%)	AU g/t	AURE g/t	AUAV g/t
			associated with fracture and quartz stringers in sediment.									
126.9	158.4		MODERATELY ALTERED QUARTZ FELDSPAR PORPHYRY									
				7668	126.9	128.0	1.1	.2		.02		.02
				7669	128.0	129.5	1.5	.2		.00		.00
			LITHOLOGY: a light grey green coloured, hard, felsic porphyritic intrusive.	7670	129.5	131.0	1.5	.2		.03		.03
			Phenocrysts composed of 60% feldspar laths and 40% quartz eyes.	7671	131.0	132.5	1.5	.3		.01	.01	.01
				7672	132.5	134.0	1.5	.3		.03		.03
			ALTERATION: very minor ankeritic alteration associated with wallrock fragments.	7673	134.0	135.5	1.5	.3		.01		.01
			Local weak to moderate sericitic alteration.	7674	135.5	137.0	1.5	.3		.02		.02
			- very weak hematite, weak epidotized alteration of the F-spar laths.	7675	137.0	138.4	1.4	.4		.00		.00
				7676	138.4	140.0	1.6	.7		.02		.02
			SULPHIDES: 0.5 to 1.0% fine grained - coarse grained pyrite to disseminated and	7677	140.0	141.5	1.5	.7		.01	.01	.01
			adjacent to the fragments. Very minor fine grained chalcopyrite.	7678	141.5	143.0	1.5	.4		.00		.00
				7679	143.0	144.5	1.5	.4		.02		.02
			STRUCTURE: massive to very weakly foliated at 45 degrees to the core axis. Local	7680	144.5	146.0	1.5	.3		.00		.00
			fractures at 50 degrees to the core axis.	7681	146.0	147.5	1.5	.5		.01		.01
			- RQD of 95-100.	7682	147.5	149.0	1.5	.4		.01		.01
				7683	149.0	150.5	1.5	.3		.00	.01	.00
			At 158.4 meters, contact at 35 degrees to the core axis.	7684	150.5	152.0	1.5	.3		.00		.00
				7685	152.0	153.5	1.5	.7		.00		.00
				7686	153.5	155.0	1.5	.6		.00		.00
				7687	155.0	156.5	1.5	.4		.00		.00
				7688	156.5	158.0	1.5	.3		.00		.00
				7689	158.0	158.4	.4	.3		.02	.02	.02
			126.9 128.0 0.3% fine specks of pyrite to 138.4m.									
			134.0 135.5 0.3% pyrite, weak hematite.									
			138.4 140.0 0.6% coarse grained pyrite and 0.1% fine grained chalcopyrite, very weak hematite alteration to 143m.									
			143.0 144.5 0.4% disseminated pyrite, very minor quartz-calcite.									
			144.5 146.0 0.3 fine grained pyrite, with minor quartz-calcite veinlets at 30 degrees to the core axis.									
			146.0 147.5 0.4% pyrite, trace chalcopyrite associated with fractures at 15 degrees to the core axis to 152m.									
			152.0 153.5 Fine grained intrusive with 0.7% pyrite to disseminated, adjacent to veinlets or as fracture filling.									
			153.5 155.0 Fine grained intrusive with 0.6% pyrite associated with fracture-filled veinlets of quartz.									
			155.0 156.5 Fine grained to medium grained intrusive with 0.5% pyrite associated with fractures at 45 degrees to the core axis.									
			156.5 158.0 Medium grained intrusive with minor pyrite associated with fractures and weak hematite alteration.									
			158.0 158.4 Medium grained intrusive with hematite alteration, minor pyrite.									
158.4	167.2		GREYWACKE									
				7690	158.4	159.9	1.5	.3		.00		.00

From (m)	To (m)	Rock Type	Geology	Sample	From (m)	To (m)	Lngt (m)	SUL (%)	CU (%)	AU g/t	AURE g/t	AUAV g/t
			Light grey, fine to medium grained greywackes with minor interbeds of very fine, black, argillite.	7691	159.9	161.0	1.1	.3		.00		.00
				7692	161.0	162.5	1.5	.4		.00		.00
				7693	162.5	163.5	1.0	.2		.01		.01
			ALTERATION: very minor ankeritic alteration.	7694	163.5	164.0	.5	.2		.00		.00
				7695	164.0	165.5	1.5	.2		.01		.01
			SULPHIDES: tr-0.5% fine grained to coarse grained pyrite. 0.1% localized chalcopyrite.	7696	165.5	167.2	1.7	.2		.01		.01
			STRUCTURE: POORLY BEDDED at 44 to 52 degrees to the core axis.									
			At 166.0-167.2 meters breccia, possible FAULT ZONE.									
			158.4 159.9 0.3% fine grained pyrite disseminated with minor coarse grained cubic pyrite.									
			159.9 161.0 0.3% fine grained pyrite with very minor chalcopyrite associated with fracture.									
			161.0 162.5 Same as above.									
			162.5 163.5 TR-0.2% fine grained, disseminated pyrite at 162.5-167.2 meters.									
167.2	345.4		ALTERED QUARTZ FELDSPAR PORPHYRY									
				7697	167.2	168.2	1.0	.7		.03		.03
			- felsic intrusive as described uphole in several locations. Dark green grey to grey, weak to moderately hard.	7698	168.2	169.0	.8	.6		.04		.04
				7699	169.0	170.0	1.0	.5		.00		.00
				7700	170.0	171.0	1.0	.5		.03		.03
			ALTERATION: very minor ankeritic alteration associated with the wallrock inclusions/xenoliths - fragments. Local weak to moderate sericitic alteration.	7701	171.0	172.0	1.0	.7		.04		.04
				7702	172.0	172.7	.7	.3		.02		.02
			- local very weak hematite alteration.	7703	173.0	174.0	1.0	.5		.05		.05
				7704	174.0	175.0	1.0	.5		.06		.06
			SULPHIDES: 0.5 to 1.0% disseminated and fracture filling pyrite, also found adjacent to the fragments. Very minor fine grained chalcopyrite.	7705	175.0	177.0	2.0	.6		.10		.10
				7706	177.0	178.0	1.0	.7		.31	.29	.30
				7707	178.0	179.0	1.0	.5		.06		.06
			STRUCTURE: very weakly foliated at 45 degrees to the core axis. Fractures typically oriented at 50 degrees to the core axis.	7708	179.0	180.5	1.5	.6		.08	.08	.08
				7709	180.5	181.3	.8	.3		.02		.02
				7710	181.3	182.0	.7	.3		.03		.03
			RQD of 95-100.	7711	182.0	183.5	1.5	.3		.07		.07
				7712	183.5	185.0	1.5	.3		.15	.14	.15
			From 245.1 to 258.2, QFP with moderate to abundant hematite alteration alteration, local xenoliths.	7713	185.0	186.5	1.5	.1		.07		.07
				7714	186.5	188.0	1.5	.1		.02		.02
				7715	188.0	189.0	1.0	1.4	0	.07		.07
				7716	189.0	190.0	1.0	1.0	0	.04		.04
			At 196.7 meters local, deformed interval to possible Z-type FOLD closures. Pyrite along/ follows limbs.	7717	190.0	191.0	1.0	.5	0	.05		.05
				7718	191.0	192.0	1.0	1.5	0	.09	.08	.09

From (m)	To (m)	Rock Type	Geology	Sample	From (m)	To (m)	Lngt (m)	SUL (%)	CU (%)	AU g/t	AURE g/t	AUAV g/t
				7719	192.0	193.0	1.0	1.0	0	.10		.10
				7720	193.0	194.0	1.0	2.5	0	.09		.09
				7721	194.0	195.0	1.0	2.0	0	.03		.03
167.2	168.2		0.6% fine grained disseminated pyrite with 0.1% fine grained chalcopyrite, quartz fracture-filled veinlets at 55 degrees to the core axis.	7722	195.0	196.0	1.0	1.5	0	.01		.01
				7723	196.0	197.0	1.0	3.0	0	.06	.06	.06
				7724	197.0	198.0	1.0	.8	0	.02		.02
168.2	169.0		0.6% fine grained pyrite with very minor chalcopyrite, quartz vein at 20 degrees to the core axis. Fractures at 55 degrees to the core axis.	7725	198.0	199.0	1.0	1.2	0	.00		.00
				7726	199.0	200.0	1.0	.4	0	.01		.01
				7727	200.0	201.0	1.0	1.0		.01		.01
169.0	170.0		0.5% fine grained specks of pyrite with minor chalcopyrite, minor quartz veinlets at 54 degrees to the core axis.	7728	201.0	202.0	1.0	1.0	0	.04		.04
				7729	202.0	203.0	1.0	3.0	0	.16		.16
170.0	171.0		0.5% fine grained disseminated pyrite with minor chalcopyrite, weak to moderate sericitic alteration.	7730	203.0	204.0	1.0	3.0	0	.11		.11
				7731	204.0	205.0	1.0	3.5		.05		.05
171.0	172.0		0.6% fine grained pyrite associated with fracture at 45 degrees to the core axis with 0.1% chalcopyrite.	7732	205.0	206.0	1.0	1.0		.07		.07
				7733	206.0	207.0	1.0	1.5		.10		.10
172.0	172.7		0.3% fine grained specks pyrite with sericitic alteration.	7734	207.0	208.0	1.0	1.6		.10		.10
173.0	174.0		0.5% fine grained pyrite associated with fractures at 47 degrees to the core axis. Moderate sericitic alteration.	7735	208.0	209.0	1.0	1.6		.04		.04
				7736	209.0	210.0	1.0	1.6		.00		.00
174.0	175.0		Same as above.	7737	210.0	211.0	1.0	.8		.05	.06	.05
175.0	177.0		0.6% pyrite with very minor chalcopyrite associated with fracture at 45 degrees to the core axis. Minor quartz veinlets at 40 degrees to the core axis. Adjacent sericitic alteration.	7738	211.0	212.0	1.0	.8		.04		.04
				7739	212.0	213.0	1.0	.9		.02		.02
				7740	213.0	214.5	1.5	.8		.02		.02
177.0	178.0		0.7% fine grained and coarse grained pyrite with minor chalcopyrite interval is moderately foliated.	7741	214.5	216.0	1.5	.8		.01		.01
				7742	216.0	217.5	1.5	.8		.03		.03
178.0	179.0		0.5% coarse grained pyrite associated with fractures, weak ankeritic alteration.	7743	217.5	218.0	.5	1.5		.06		.06
				7744	218.0	219.5	1.5	.5		.05	.06	.05
179.0	180.5		0.6% coarse grained pyrite specks, moderate ankeritic alteration, weakly sheared at 50 degrees to the core axis.	7745	219.5	220.1	.6	1.5		.05		.05
				7746	220.1	221.0	.9	.3		.02		.02
180.5	181.3		0.3% fine grained and coarse grained pyrite as specks with minor quartz veinlets at 46 degrees to the core axis. Moderate sericitic alteration.	7747	221.0	222.0	1.0	.8		.05		.05
				7748	222.0	223.0	1.0	.5		.03		.03
				7749	223.0	224.0	1.0	.4		.02		.02
181.3	182.0		Same as above.	7750	224.0	225.0	1.0	.4	0	.04		.04
182.0	183.5		0.3% fine grained pyrite as specks, moderate sericitic alteration.	7751	225.0	226.0	1.0	.4	0	.18	.17	.18
183.5	185.0		0.3% fine grained and coarse grained specks of pyrite adjacent to minor quartz veinlets. Adjacent sericitic alteration.	7752	226.0	227.0	1.0	1.3	1	.21		.21
				7753	227.0	228.0	1.0	.6	0	.13		.13
185.0	186.5		0.1% fine grained pyrite with quartz veinlets at 45 degrees to the core axis.	7754	229.0	230.0	1.0	.4	0	.06		.06
				7755	238.0	239.0	1.0	.5	0	.45	.41	.43
186.5	188.0		Same as above.	7756	239.0	240.0	1.0	.4	0	.82	.86	.84
188.0	189.0		1.0% fracture-filled and disseminated pyrite, 0.4% chalcopyrite, trace pyrrhotite.	7757	244.0	245.0	1.0	.6	0	.02		.02
				7758	248.0	249.0	1.0	.5	0	.04		.04
189.0	190.0		1.0% pyrite associated with fracture-filled quartz veinlets at 24 degrees to the core axis. Minor disseminated pyrite, chalcopyrite and minor sericitic alteration.	7759	260.0	261.0	1.0	.4	0	.16		.16
				7760	275.0	276.0	1.0	.6	0	.66		.66
				7761	276.0	277.0	1.0	.6	0	.25		.25
190.0	191.0		0.5% disseminated pyrite with minor quartz stringers at 34 degrees to the core axis. Minor sericitic alteration.	7762	277.0	278.0	1.0	.6	0	.11		.11
				7763	278.0	279.0	1.0	.6	0	.90	.89	.89
191.0	192.0		1.0% fine grained pyrite with minor quartz stringers at 40 degrees	7764	279.0	280.0	1.0	.4	0	.13		.13

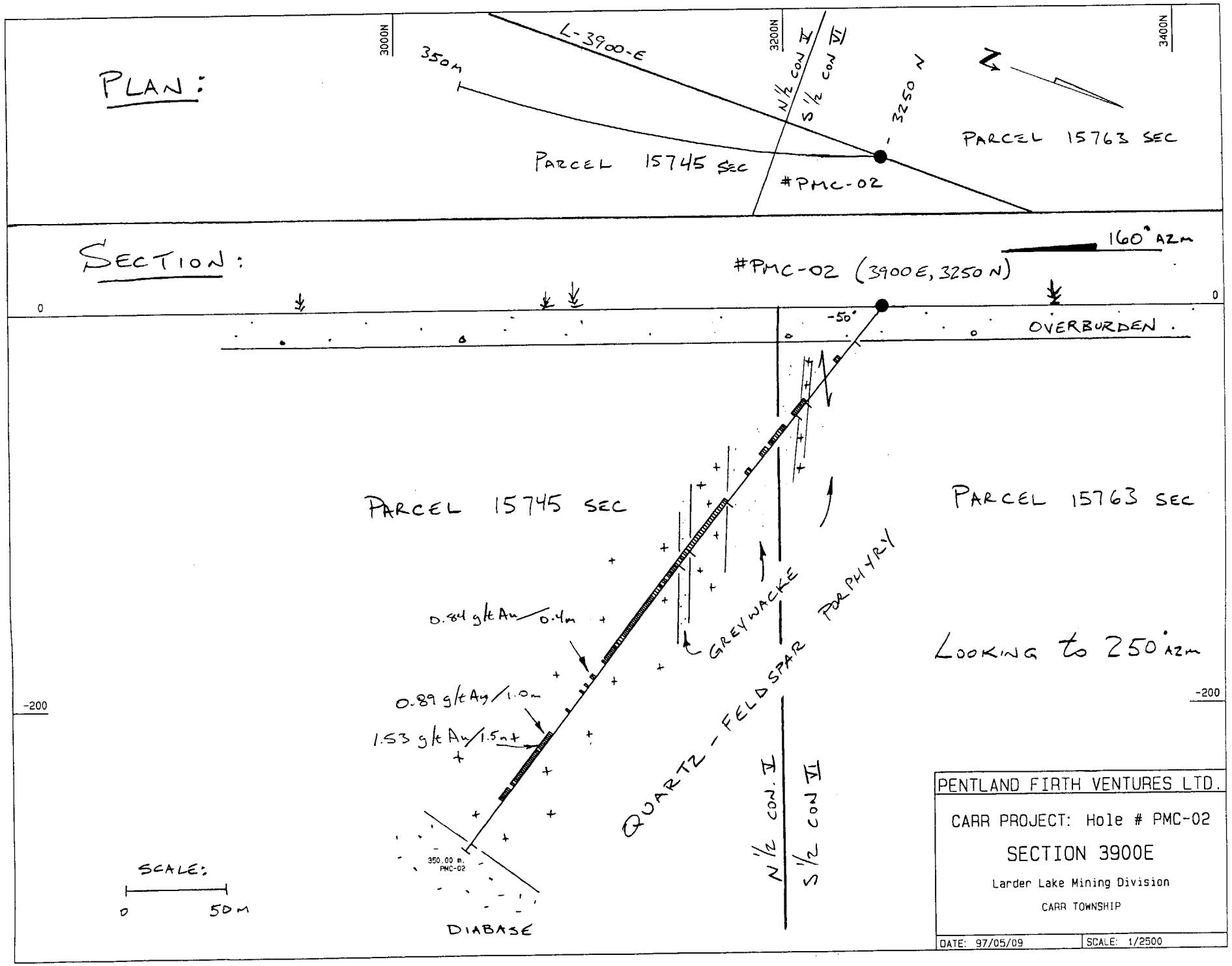
From (m)	To (m)	Rock Type	Geology	Sample	From (m)	To (m)	Lngt (m)	SUL (%)	CU (%)	AU g/t	AURE g/t	AUAV g/t
			to the core axis and minor pyrrhotite and chalcopyrite.	7765	280.0	281.0	1.0	.2	0	.07		.07
			192.0 193.0 0.8% fine grained and coarse grained fracture-filled pyrite at 35 degrees to the core axis with quartz stringers at 36 degrees to the core axis pyrite.	7766	281.0	282.0	1.0	.5	0	.15		.15
				7767	282.0	283.0	1.0	.4	0	.11		.11
				4451	283.0	284.0	1.0	.5	0	.11		.11
			193.0 194.0 2.0% fine grained and coarse grained fracture-filled pyrite associated with pyrrhotite and chalcopyrite also quartz veinlets at 30 degrees to the core axis.	4452	284.0	285.0	1.0	.5	0	.09		.09
				4453	285.0	286.5	1.5	.5	0	.16		.16
				7768	286.5	287.0	.5	2.5	1	2.33	2.26	2.30
			194.0 195.0 2.0% fine grained pyrite to disseminated and fracture filling. Trace chalcopyrite. Minor quartz stringers.	4454	287.0	288.0	1.0	.5	0	1.10	1.11	1.11
				4455	288.0	289.0	1.0	.5	0	.04		.04
			195.0 196.0 1.5% fine grained to coarse grained disseminated pyrite, minor chalcopyrite and pyrrhotite.	4456	289.0	290.0	1.0	.5	0	.10		.10
				4457	290.0	291.0	1.0	.6	0	.18		.18
			196.0 197.0 2.5% medium grained to coarse grained pyrite associated with fracture-filling, 0.4% pyrrhotite and 0.1% chalcopyrite with minor quartz-calcite stringers at 29 degrees to the core axis.	4458	291.0	292.0	1.0	.6	0	.14		.14
				4459	292.0	293.0	1.0	.5	0	.20		.20
				4460	293.0	294.0	1.0	.5	0	.22	.19	.20
			197.0 198.0 0.8% pyrite with minor chalcopyrite and pyrrhotite associated with quartz veinlets at 40 degrees to the core axis.	7769	294.0	295.0	1.0	2.0	2	.65	.67	.66
				7770	295.0	296.0	1.0	2.0	1	.26		.26
			198.0 199.0 1.0% fine grained and coarse grained pyrite associated with fractures at 40 degrees to the core axis.	7771	296.0	297.0	1.0	1.5	1	.44		.44
				4461	297.0	298.0	1.0	.8	0	.23		.23
			199.0 200.0 0.4% fine grained to coarse grained pyrite specks with minor fracture-filled pyrite at 50 degrees to the core axis.	4462	298.0	299.0	1.0	.8	1	.19		.19
				4463	299.0	300.0	1.0	.7	0	.08		.08
			200.0 201.0 1.0% fine grained and coarse grained pyrite associated with fractures at 47 degrees to the core axis also disseminated pyrite with minor pyrrhotite and chalcopyrite.	4464	300.0	300.5	.5	.6	0	.04		.04
				7772	300.5	301.5	1.0	1.5	1	.86	.82	.84
				4465	301.5	302.5	1.0	.4	0	.84		.84
			201.0 202.0 1.0% pyrite with minor chalcopyrite and pyrrhotite, associated with fractures at 40 to 60 degrees to the core axis.	4466	302.5	303.5	1.0	.5	0	.47		.47
				4467	303.5	304.5	1.0	.6	0	.25	.19	.22
			202.0 203.0 1.5% pyrite, 1.0% pyrrhotite, .5% chalcopyrite, associated with fractures at 38 degrees to the core axis. Weak hematite alteration.	4468	304.5	305.0	.5	1.0	0	.27		.27
				4469	305.0	306.0	1.0	.6	0	.06		.06
			203.0 204.0 2.5% pyrite associated with fractures at both 15 and 65-70 degrees to the core axis. Minor chalcopyrite and pyrrhotite. Weak to moderate hematite alteration.	4470	306.0	307.5	1.5	.5	0	.05		.05
				7773	307.5	308.5	1.0	1.0	0	.17		.17
				7774	311.0	312.0	1.0	.7		.00		.00
			204.0 205.0 3-4% medium grained to coarse grained pyrite associated with fractures at 20 and 45 degrees to the core axis. 0.1% chalcopyrite, moderate hematite alteration.	7775	312.0	313.0	1.0	.4		.01		.01
				7776	313.0	314.0	1.0	.4		.00		.00
				7777	314.0	315.0	1.0	2.0		.00		.00
			205.0 206.0 1% fine grained and coarse grained pyrite associated with fractures at 38 degrees to the core axis. Minor quartz stringers at 38 degrees to the core axis.	7778	315.0	316.0	1.0	.6		.03		.03
				7779	316.0	316.8	.8	.4		.07		.07
				7780	316.8	317.2	.4	2.0		.25	.22	.23
			206.0 207.0 1.5% coarse grained pyrite with minor quartz veinlets at 40 degrees to the core axis, trace chalcopyrite.	7781	317.2	318.2	1.0	.3		.10		.10
			207.0 208.0 To 210 metres to 1.5% medium grained pyrite associated with fractures at 20 to 42 degrees to the core axis. Minor quartz stringers at 35 degrees to the core axis with 0.3% chalcopyrite.									
			210.0 211.0 Increased sericite alteration towards 217.5m, minor fine grained disseminated pyrite. Occasional quartz stringers at 26 degrees to the core axis.									
			217.5 218.0 1.5% coarse grained pyrite with minor sericitic alteration adjacent to fractures at 34 degrees to the core axis.									

1.53 / 1.5 m

From (m)	To (m)	Rock Type	Geology	Sample	From (m)	To (m)	Lngt (m)	SUL (%)	CU (%)	AU g/t	AURE g/t	AUAV g/t
			218.0 219.5 0.5% fine grained pyrite minor sericitic alteration.									
			219.5 220.1 1.5% coarse grained pyrite associated with fractures at 50 degrees to the core axis.									
			220.1 221.0 0.3% fine grained disseminated pyrite adjacent to minor quartz verys at 40 degrees to the core axis. Possible fracture-filled.									
			221.0 222.0 0.8% medium grained pyrite associated with fractures at various angles to the core axis to minor sericitic alteration.									
			222.0 223.0 0.5% fine grained disseminated pyrite associated with a QUARTZ VEIN, 2 cm TW.									
			223.0 224.0 0.5% fine grained disseminated pyrite, minor hematite alteration predominates to 226m. Occasional quartz stringers.									
			226.0 227.0 1.0% fine grained pyrite, 0.3% fine grained chalcopyrite associated with fractures at 55 degrees to the core axis. Minor sericitic alteration.									
			227.0 228.0 0.6% fine grained pyrite, minor sericitic alteration.									
			229.0 230.0 Grab type sample 0.4% fine grained pyrite, weak - moderate hematite alteration.									
			238.0 239.0 0.5% fine grained pyrite associated with QUARTZ VEIN at 70 degrees to the core axis, minor sericitic alteration.									
			239.0 240.0 0.4% fine grained pyrite associated with QUARTZ VEIN at 55 degrees to the core axis.									
			244.0 245.0 Grab type sample 0.6% fine grained pyrite associated with fracture at 32 degrees to the core axis. Minor hematite alteration.									
			248.0 249.0 0.5% fine grained disseminated pyrite with very minor QUARTZ VEIN, moderate to abundant hematite alteration alteration also weakly to moderately magnetic.									
			260.0 261.0 0.4% fine grained pyrite with minor quartz stringers, minor sericitic alteration.									
			275.0 276.0 0.4% fine grained disseminated pyrite, 0.2% fine grained chalcopyrite. One 5 cm QUARTZ VEIN at 45 degrees to the core axis. Moderate sericitic alteration.									
			276.0 277.0 0.5% fine grained pyrite, chalcopyrite, pervasive sericitic alteration.									
			277.0 278.0 0.3% fine grained pyrite, chalcopyrite, stringer sericite to 279m.									
			279.0 280.0 Minor fine grained pyrite, chalcopyrite fracture filling at 43 degrees to the core axis.									
			280.0 281.0 0.2% fine grained pyrite and minor chalcopyrite fracture filling, at 40 degrees to the core axis, to 282m.									
			282.0 283.0 0.4% fine grained pyrite, minor specks of chalcopyrite.									
			283.0 284.0 0.4% fine grained pyrite, disseminated and fracture filling to minor chalcopyrite, moderate silicification to 286.5m.									
			286.5 287.0 2.0% pyrite, 0.5% chalcopyrite associated with numerous fracture at 30-45 degrees to the core axis.									
			287.0 288.0 0.4% fine grained pyrite with minor chalcopyrite fracture filling. Minor sericite, minor potassic alteration at 287-292 meters.									
			292.0 293.0 Same as above, increased potassic alteration to 294.									

From (m)	To (m)	Rock Type	Geology	Sample	From (m)	To (m)	Lngt (m)	SUL (%)	CU (%)	AU g/t	AURE g/t	AUAV g/t
			294.0 295.0 1.5% pyrite, 0.5% chalcopyrite associated with fractures at 50 degrees to the core axis. Minor hematite alteration.									
			296.0 297.0 1.3% fine grained pyrite, 0.2% fine grained chalcopyrite associated with fractures at 47 degrees to the core axis. Minor sericitic alteration.									
			297.0 298.0 0.8% fine grained disseminated pyrite, trace chalcopyrite. Moderate silicification and sericitic alteration, minor potassic alteration until 300m.									
			300.0 300.5 Fine grained disseminated fracture associated pyrite, minor quartz-calcite veinlets.									
			300.5 301.5 Same as above, minor to moderate hematite alteration.									
			301.5 302.5 0.4% fine grained pyrite with trace chalcopyrite, minor quartz veinlet, moderate potassic alteration.									
			302.5 303.5 0.5% fine grained pyrite with trace chalcopyrite, minor potassic alteration, minor silicification to 304.5m.									
			304.5 305.0 1.0% fine grained to coarse grained, disseminated euhedral pyrite, also as fracture filling. Minor chalcopyrite. Minor hematite alteration with moderate silicification.									
			305.0 306.0 0.6% pyrite associated with fracture at 55 degrees to the core axis, moderate hematite alteration.									
			306.0 307.5 0.5% fine grained pyrite. Minor silicification, weak to moderate hematite alteration.									
			307.5 308.5 0.8% fine grained pyrite with 0.2% chalcopyrite. Moderate to stringer hematite alteration.									
			311.0 312.0 0.7% fine grained disseminated pyrite, silicification.									
			312.0 313.0 0.4% coarse grained pyrite. Strongly silicification until 314m.									
			314.0 315.0 1.5% fine to coarse grained pyrite, 0.5% chalcopyrite. Trace molybdenite.									
			315.0 316.0 0.4% fine grained pyrite, trace fine grained molybdenite. Moderate silicification.									
			316.0 316.8 0.4% fine grained pyrite with minor graphite, silicification and minor hematite alteration.									
			316.8 317.2 2.0% fine grained chalcopyrite associated with fracture at 45 degrees to the core axis. Minor hematite alteration.									
			317.2 318.2 0.3% fine grained pyrite disseminated, with very minor chalcopyrite. Very weak hematite alteration.									
345.4	350.0		DIABASE A distinct, fg, dark reddish-black, hard, magnetic, mafic dyke. Minor fracture-filled quartz-calcite veinlets. - upper, intrusive contact is SHARP, oriented at 90 degrees to the core axis.									

From (m)	To (m)	Rock Type	Geology	Sample	From (m)	To (m)	Lngt (m)	SUL (%)	CU (%)	AU g/t	AURE g/t	AUAV g/t
			ALTERATION: minor ankeritic alteration, moderate hematite alteration. - minor quartz-calcite fracture filling. SULPHIDES: minor pyrite, trace chalcopyrite associated with the fractures. STRUCTURE: moderate fracture at 55 to 70 degrees to the core axis. At 350 meters END OF THE HOLE. - 22 meters of Casing left downhole. 166 Samples sent to Swastika Labs Ltd.									


PLAN:
3000N
3200N
3400N
L-3900-E
350m
N½ CON IV
S½ CON VI
3250 N
PARCEL 15763 SEC
PARCEL 15745 SEC
#PMC-02
SECTION:
160° AZm
#PMC-02 (3900E, 3250 N)
0
-50°
OVERBURDEN
PARCEL 15745 SEC
PARCEL 15763 SEC
0.84 g/t Au / 0.4m
0.89 g/t Au / 1.0m
1.53 g/t Au / 1.5m+
GREYWACKE
QUARTZ - FELDSPAR PORPHYRY
Looking to 250° Azm
-200
350.00 m.
PMC-02
DIABASE
N½ CON. IV
S½ CON VI
SCALE:
0
50m
PENTLAND FIRTH VENTURES LTD.
CARR PROJECT: Hole # PMC-02
SECTION 3900E
Larder Lake Mining Division
CARR TOWNSHIP
DATE: 97/05/09
SCALE: 1/2500

2.17369

PENTLAND FIRTH VENTURES LTD.

DRILL HOLE RECORD

Property: CARR PROJECT
EASTING: 2900.000
NORTHING: 2975.000
Elevation: .000
Grid: PFVL 1994
Collar Azi.: 180
Collar Dip: -50
Local Ref: \Ref1
Hole Length: 248.0 metres
Print Date: 9 May, 1997

*** Dip Tests ***

Depth	Azi.	Dip
50	187	-50
100	187	-51
137	189	-51
200	191	-52
248	192	-53

Drill Hole: PMC-03
Township: Carr
Claim #: L1201431
Date Started: JUN 05, 1995
Completed: JUN 08, 1995
Logged by: R.M. LANDRY
Date(s) Logged: JUN 15, 1995
Drilled by: NOREX DRILLING LTD.
Core Size: BQ
Company: PFVL

Purpose: Test an IP Feature, immediately South of the Sediment-Felsic Intrusive contact.
Hole Condition: Casing PULLED. Core STORED at the Marlhill Mine, Hoyle Twp, Timmins.
Comments: HOLE @ 280m West, 225m South of the No. 1 Post, L-1201431

From (m)	To (m)	Rock Type	Geology
.0	40.0		OVERBURDEN
40.0	74.7		GREYWACKE LITHOLOGY: light grey green, relatively soft, weathered, local bedding evident. - local quartz-calcite stringers - veinlets, predominantly at 70 degrees to the core axis. ALTERATION: weak to moderate ankeritic alteration adjacent to the local carbonate veinlets. SULPHIDES: trace to 0.5% fine grained disseminated pyrite. STRUCTURE: minor fractures at 10 to 15 degrees to the core axis. Local bedding at 20 degrees to the core axis.
74.7	248.0		MODERATELY ALTERED QUARTZ FELDSPAR PORPHYRY LITHOLOGY: light grey green, very hard, quartz feldspar Porphyry. Phenocrysts composed of quartz and feldspar laths of varying sizes from 1 mm to 3 mm.

Sample	From (m)	To (m)	Lngt (m)	SUL (%)	CU (%)	AU g/t	AURE g/t	AUAV g/t
7782	90.0	91.0	1.0	.6		.02		.02
7783	91.0	92.0	1.0	1.0		.04		.04
7784	92.0	93.0	1.0	.5		.01		.01
7785	106.0	107.0	1.0	.3		.06	.05	.05
7786	107.0	108.0	1.0	.5		.02		.02
7787	108.0	109.0	1.0	.8		.01		.01

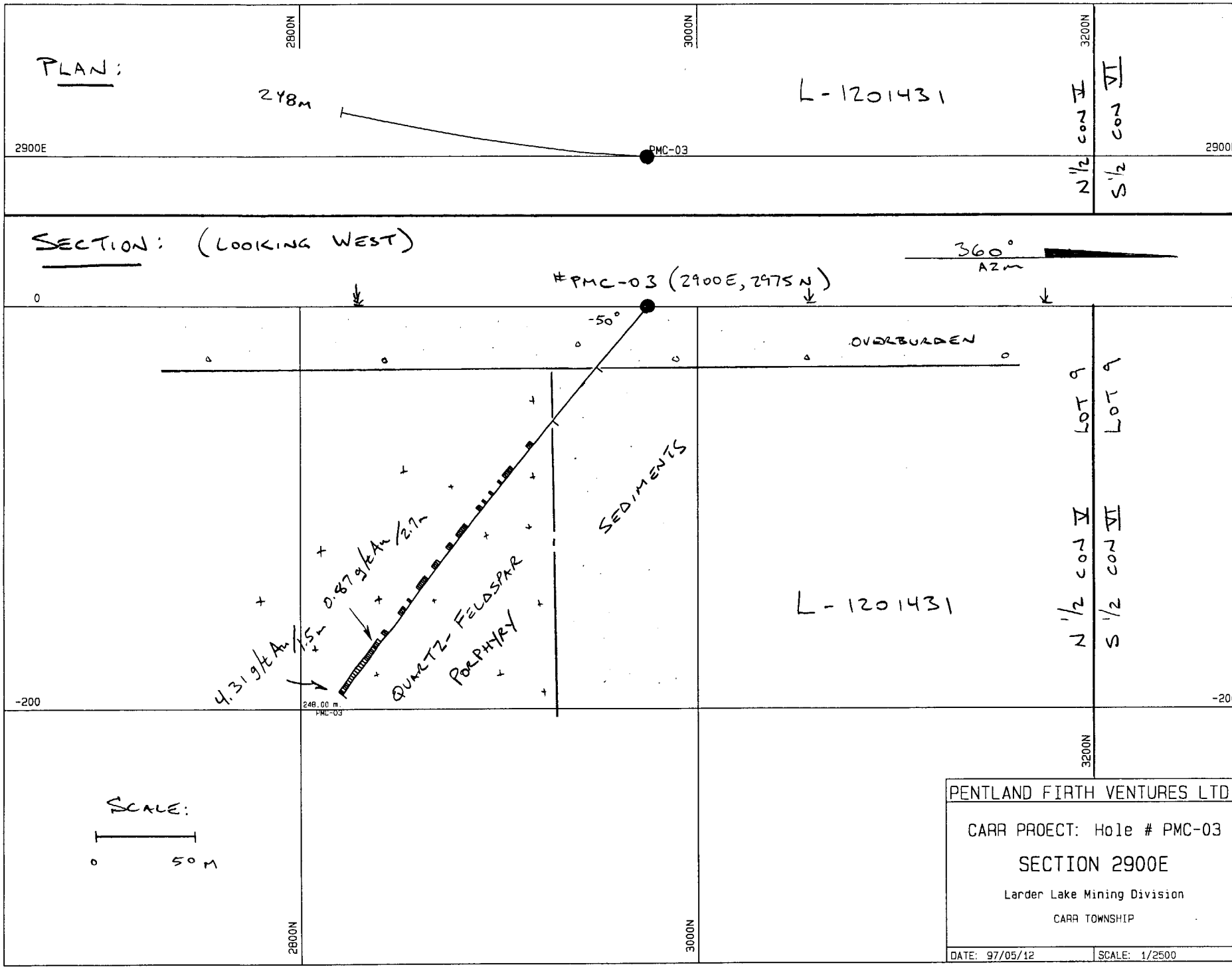
From (m)	To (m)	Rock Type	Geology
			Local quartz veinlets and the occasional vein at 30-45 degrees to the core axis. ALTERATION: local minor ankerite, sericitic alteration. SULPHIDES: trace to 1.0% fine grained - medium grained pyrite, very minor chalcopyrite. - pyrite usually disseminated, locally associated with fractures and QUARTZ VEINs STRUCTURE: fractures at 40 to 60 degrees to the core axis. 90.0 91.0 0.6% fine grained pyrite adjacent to quartz veinlets. Minor sericitic alteration. 91.0 92.0 1.0% fine grained disseminated pyrite concentrated at fractures. 92.0 93.0 Bracket sample, 0.5% fine grained disseminated pyrite. Minor sericite, minor quartz-calcite veinlets. 106.0 107.0 Bracket sample, 0.3% fine grained disseminated pyrite, occasional quartz stringers. 107.0 108.0 0.5% fine grained disseminated pyrite. Variably sericitic, local quartz stringers and veinlets. 108.0 109.0 0.8% fine grained disseminated pyrite associated with fractures, adjacent sericite. Fractures at 45 degrees to the core axis. 109.0 110.0 0.4% pyrite associated with fractures at 60 degrees to the core axis with minor sericitic alteration. 110.0 111.0 0.4% fine grained pyrite with moderate sericitic alteration. 111.0 112.0 0.3% fine grained pyrite with minor sericitic alteration adjacent to fractures at 55 degrees to the core axis. 115.0 116.0 0.5% fine grained disseminated pyrite, minor sericitic alteration, local quartz-calcite stringers at 54 degrees to the core axis. 122.0 123.0 0.2% fine grained disseminated pyrite, moderate sericitic alteration. 127.5 128.5 0.5% fine grained pyrite, chalcopyrite associated with fractures at 50 degrees to the core axis. Adjacent sericitic and silicification alteration.

Sample	From (m)	To (m)	Lngt (m)	SUL (%)	CU (%)	AU g/t	AURE g/t	AUAV g/t
7788	109.0	110.0	1.0	.4		.05	.04	.05
7789	110.0	111.0	1.0	.4		.04		.04
7790	111.0	112.0	1.0	.3		.02		.02
7791	115.0	116.0	1.0	.5		.01		.01
7792	122.0	123.0	1.0	.2		.01		.01
7793	127.5	128.5	1.0	1.0		.10		.10
7794	131.0	132.0	1.0	.3		.03		.03
7795	132.0	133.0	1.0	.3		.04		.04
7796	143.0	144.0	1.0	.3		.00		.00
7797	144.0	145.0	1.0	.3		.03	.04	.04
7798	145.0	146.0	1.0	.4		.03		.03
7799	146.0	147.0	1.0	.2		.01		.01
7800	147.0	148.0	1.0	.6		.01		.01
7801	148.0	149.0	1.0	.8		.01		.01
7802	149.0	150.0	1.0	.8		.03		.03
7803	155.0	156.0	1.0	.8		.03		.03
7804	156.0	157.0	1.0	.6		.01		.01
7805	157.0	158.0	1.0	.6		.06		.06
7806	165.8	167.0	1.2	.7		.04		.04
7807	167.0	168.0	1.0	.7		.09		.09
7808	168.0	169.0	1.0	.6		.06		.06
7809	169.0	170.0	1.0	.4		.01		.01
7810	176.0	177.0	1.0	.4		.02		.02
7811	177.0	178.0	1.0	.4		.03	.03	.03
7812	178.0	179.0	1.0	.4		.00		.00
7813	179.0	180.0	1.0	.4		.01		.01
7814	180.0	181.0	1.0	.5		.02		.02
7815	181.0	182.0	1.0	.5		.00		.00
7816	182.0	183.0	1.0	.6		.04		.04
7817	190.0	191.0	1.0	.4		.02		.02
7818	195.0	196.0	1.0	.4	0	.03		.03
7819	196.0	197.0	1.0	.3		.04		.04
7820	197.0	198.0	1.0	.6		.01		.01
7821	198.0	199.0	1.0	.6		.03		.03
7822	209.4	210.4	1.0	.8		.03		.03
7823	210.4	211.4	1.0	.3		.03		.03
7824	215.0	216.5	1.5	.1	0	.03		.03
7825	216.5	217.5	1.0	1.0	0	.35		.35
7826	217.5	218.5	1.0	.6	0	.29		.29
7827	218.5	219.3	.8	.8	0	.07		.07
7828	219.3	219.7	.4	2.5	0	.88	1.12	1.00
7829	219.7	221.0	1.3	1.0	0	.82		.82
7830	221.0	222.0	1.0	1.0	0	.87		.87
7831	222.0	223.0	1.0	1.0	0	.02		.02
7832	223.0	224.0	1.0	1.0		.08		.08
7833	224.0	225.0	1.0	1.0		.02		.02

0.87 / 2.7m

From (m)	To (m)	Rock Type	Geology	Sample	From (m)	To (m)	Lngt (m)	SUL (%)	CU (%)	AU g/t	AURE g/t	AUAV g/t
			131.0 132.0 0.3% fine grained pyrite, trace chalcopyrite. Moderate sericitic alteration to 133m.	7834	225.0	226.0	1.0	1.0		.03		.03
			143.0 144.0 0.3% fine grained pyrite associated with fractures at 10 to 15 degrees to the core axis. Minor sericite, silicification.	7835	226.0	227.0	1.0	.6		.08		.08
			145.0 146.0 Fine grained pyrite associated with fractures.	7836	227.0	228.5	1.5	.3		.02		.02
			146.0 147.0 Fine grained disseminated pyrite adjacent to fractures at 50 degrees to the core axis, minor sericitic alteration.	7837	228.5	230.0	1.5	.3		.01		.01
			147.0 148.0 Fine grained disseminated pyrite associated with fractures at 45 degrees to the core axis. Very minor chalcopyrite.	7838	230.0	231.5	1.5	.4		.01		.01
			148.0 149.0 Fine grained to medium grained pyrite associated with fractures minor sericitic alteration, weak silicification.	7839	231.5	233.0	1.5	.4		.02		.02
			149.0 150.0 Fine grained to medium grained pyrite associated with fracture at 50 degrees to the core axis. Minor sericitic alteration and carbonate filled fractures at various angles to the core axis.	7840	233.0	234.5	1.5	.4		.16	.13	.14
			155.0 156.0 Fine grained pyrite associated with fractures minor silicification, sericitic alteration.	7841	234.5	236.0	1.5	.3		.15		.15
			156.0 157.0 0.5% fine grained pyrite, 0.1% chalcopyrite. Moderate to abundant silicification, sericitic alteration to 168.	7842	236.0	237.5	1.5	.3		.06		.06
			168.0 169.0 Fine grained pyrite associated with fractures at 35 degrees to the core axis. Weak to moderate sericitic alteration.	7843	237.5	239.0	1.5	.3		.10		.10
			169.0 170.0 Fine grained pyrite on fracture faces. Minor QUARTZ VEINs localized at the fractures.	7844	239.0	240.5	1.5	.4		.00		.00
			176.0 177.0 Hematite alteration with minor pyrite and chalcopyrite at 176-180 meters. Associated with fractures at 35 degrees to the core axis.	7845	240.5	242.0	1.5	.4		.02		.02
			178.0 179.0 Minor chloritic areas.	7846	242.0	243.0	1.0	.3		.03		.03
			180.0 181.0 0.5% fine grained pyrite associated with fractures at 47 degrees to the core axis. Minor sericitic alteration to 182.	7847	243.0	244.0	1.0	.4		.05		.05
			190.0 191.0 0.2% fine grained pyrite, 0.2% chalcopyrite associated with fractures. Minor potassic alteration.	7848	244.0	245.0	1.0	.4		.03		.03
			195.0 196.0 0.2% fine grained pyrite, chalcopyrite associated with fractures at 20 degrees to the core axis. Also minor hematite alteration.	7849	245.0	246.5	1.5	.4		.10		.10
			196.0 197.0 0.3% fine grained pyrite disseminated with very minor chalcopyrite. Minor quartz-calcite stringers at various angles to the core axis, minor hematite alteration.	7850	246.5	248.0	1.5	.3		4.31		4.31
			197.0 198.0 0.5% pyrite and 0.1% chalcopyrite, both fine grained to coarse grained. Minor quartz-calcite veinlets, weak sericitic alteration.									
			209.4 210.4 0.6% fine grained pyrite adjacent to QUARTZ VEIN at 55 degrees to the core axis. 0.2% fine grained chalcopyrite. Interval is dark grey in colour.									
			210.4 211.4 0.3% fine grained disseminated pyrite.									
			215.0 216.5 Trace pyrite with minor quartz veinlets.									
			216.5 217.5 Light green interval with 1.0% fine grained pyrite, quartz veinlets at 60 degrees to the core axis. Very minor chalcopyrite, moderate sericitic alteration.									
			217.5 218.5 0.7% fine grained disseminated pyrite, minor quartz veinlets at 55 degrees to the core axis. Moderate sericitic alteration to 219.3.									

From (m)	To (m)	Rock Type	Geology	Sample	From (m)	To (m)	Lngt (m)	SUL (%)	CU (%)	AU g/t	AURE g/t	AUAV g/t
			219.3 219.7 2.5% fine grained - coarse grained pyrite adjacent to several local QUARTZ VEINs oriented at various angles to the core axis. 219.7 221.0 1.0% fine grained disseminated pyrite with minor quartz veinlets at 55 degrees to the core axis, moderate sericitic alteration to 226m. 225.0 226.0 Pyrite associated with local fractures. 226.0 227.0 0.6% fine grained pyrite associated with QUARTZ VEINs at 80 degrees to the core axis. Sericitic alteration, weak silicification. 227.0 228.5 0.3% fine grained pyrite associated with QUARTZ VEINs at 30-45 degrees to the core axis at 227-248 meters. The quartz veins constitute about 8% of sample. 244.0 245.0 QFP hosts numerous quartz veinlets which are 1-2cm in width at 244.4 meters. Minor adjacent potassic alteration. 245.0 246.5 Same as above, with pyrite also in fractures at 80 degrees to the core axis. 246.5 248.0 Same as above, with moderate sericitic alteration. Casing pulled from Hole. 69 Samples sent to Swastika Labs Ltd. At 248.0 meters END OF HOLE.									


PLAN:
2800N
3000N
3200N
248m
L-1201431
2900E
PMC-03
2900E
N 1/2 con VI
S 1/2 con VI
SECTION: (LOOKING WEST)
360° AZm
#PMC-03 (2900E, 2975N)
0
0
-50°
OVERBURDEN
SEDIMENTS
QUARTZ-FELDSPAR PORPHYRY
4.31 g/t Au/1.5m
0.87 g/t Au/2.7m
248.00 m.
PMC-03
L-1201431
Lot 9
Lot 9
N 1/2 con IV
S 1/2 con IV
-200
-200
3200N
SCALE:
0
50 m
2800N
3000N
PENTLAND FIRTH VENTURES LTD.
CARR PROECT: Hole # PMC-03
SECTION 2900E
Larder Lake Mining Division
CARR TOWNSHIP
DATE: 97/05/12
SCALE: 1/2500

2.17369

PENTLAND FIRTH VENTURES LTD.

DRILL HOLE RECORD

Property: PENTLAND-CARR
EASTING: 2600.000
NORTHING: 2025.000
Elevation: .000
Grid: PFVL 1994
Collar Azi.: 180
Collar Dip: -50
Local Ref: \Ref1
Hole Length: 248.0 metres
Print Date: 12 May, 1997

*** Dip Tests ***

Depth	Azi.	Dip
50	181	-50
100	182	-50
152	188	-49
200	188	-49
248	188	-49

Drill Hole: PMC-04
Township: Carr
Claim #: L-1201431
Date Started: JUNE 08, 1995
Completed: JUNE 13, 1995
Logged by: R.M. LANDRY
Date(s) Logged: JUNE 20, 1995
Drilled by: NOREX DRILLING LTD.
Core Size: BQ
Company: PFVL

Purpose: Testing an IP feature within the central portion of the Felsic Intrusion
Hole Condition: Casing Pulled, CORE is STORED at the Marlhill Mine, Hoyle Twp, Timmins
Comments: Collar LOCATED at: 450m North, 215m East of Post No. 3, L-1201431

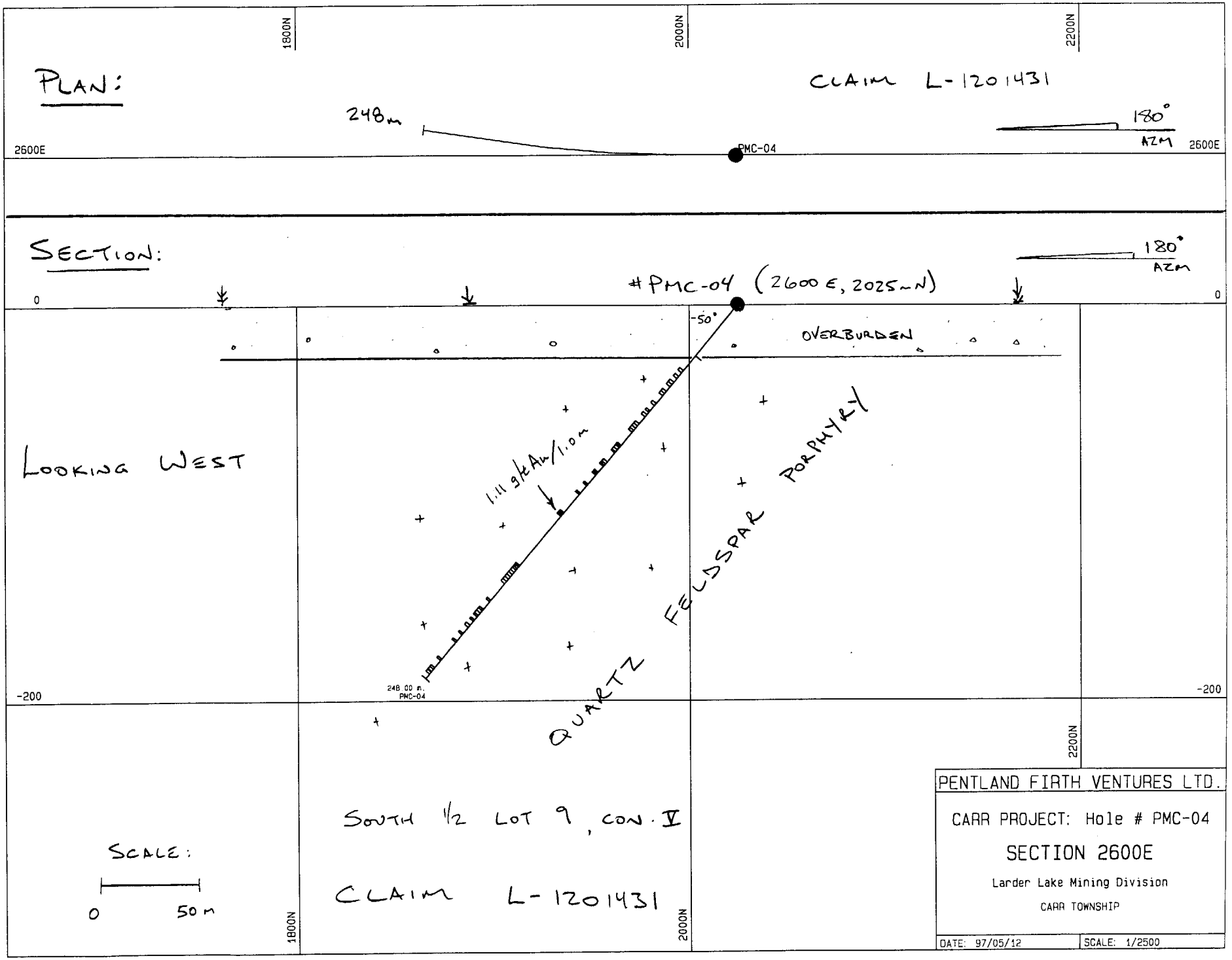
From (m)	To (m)	Rock Type	Geology
.0	33.5		OVERBURDEN
33.5	248.0	+ + +	MODERATELY ALTERED QUARTZ FELDSPAR PORPHYRY LITHOLOGY: light grey-green, hard, locally fractured, quartz feldspar porphyry. The majority of the recognizable phenocrysts appear to be white Feldspar crystals, with only minor, translucent grey-white Quartz eyes. ALTERATION: minor sericitic, ankeritic alteration occurs adjacent to the local fractures. - occasional weak hematite alteration. SULPHIDES: generally poor pyrite content, increasing adjacent to the fractures. Local trace chalcopyrite. STRUCTURE: numerous strongly fractured intervals with an RQD=0. Fractures typically oriented at 50-70 degrees to the core axis. At 38.5-130 meters, RQD=0-40. The rock is crumbly, with pervasive fractures. - minor pyrite may be found on fracture faces. At 142.0-160.0 meters, weak to moderate hematite alteration. Weakly magnetic, graphite common on slip faces. At 168.4-223.7 meters, altered QFP: with moderately to strongly sericitic alteration where feldspars appear to be eroded.

Sample	From (m)	To (m)	Lngt (m)	SUL (%)	CU (%)	AU g/t	AURE g/t	AUAV g/t
7855	43.3	44.8	1.5	.8		.01		.01
7856	47.1	48.6	1.5	.8		.02		.02
7851	51.0	52.5	1.5	.8		.03	.03	.03
7852	52.5	54.0	1.5	1.3		.05		.05
7853	57.0	58.5	1.5	1.5		.01		.01
7854	58.5	60.0	1.5	1.5		.01		.01
7857	65.0	66.5	1.5	1.0		.01		.01
7858	70.0	71.0	1.0	1.0		.01		.01
7859	72.5	74.0	1.5	1.0		.17		.17
7860	78.6	80.0	1.4	.7		.01		.01
7861	80.0	81.5	1.5	.7		.16	.21	.19
7862	81.5	83.0	1.5	.7		.08		.08
7863	83.0	84.2	1.2	.7		.11		.11
7864	93.0	94.0	1.0	.8		.01		.01
7865	94.0	94.5	.5	1.3		.09		.09
7866	94.5	95.9	1.4	.7		.04		.04
7867	95.9	97.3	1.4	.7		.14	.11	.13
7868	97.3	98.0	.7	.4		.03		.03
7869	104.0	105.4	1.4	.7		.03		.03
7870	105.4	106.4	1.0	.6		.05		.05
7871	106.4	107.0	.6	.5		.00		.00
7872	111.0	112.0	1.0	.5		.01		.01
7873	112.0	113.0	1.0	.5		.00		.00
7874	119.0	120.0	1.0	.3		.00		.00
7875	125.0	126.0	1.0	.3		.02		.02

From (m)	To (m)	Rock Type	Geology
			43.3 44.8 0.8% fine to coarse grained pyrite associated with fractures. Minor hematite alteration.
			47.1 48.6 0.8% fine grained pyrite, disseminated and also associated with fractures. RQD=70-80 for the interval.
			51.0 52.5 0.5% pyrite associated with fractures. Entire core sampled, difficult to split due to highly fractured nature.
			52.5 54.0 1-1.5% fine grained pyrite to 74. Core is extremely fractured, measurements questionable.
			65.0 66.5 Minor veinlets at various angles to the core axis.
			72.5 74.0 Minor sericitic alteration.
			78.6 80.0 0.7% fine grained pyrite to 83. Disseminated and fracture associated, strong hematite alteration, RQD=80-90.
			81.5 83.0 0.7% fine grained pyrite to 84.2. Sulphides associated with fractures, weakly hematite alteration.
			93.0 94.0 0.5-1.5% fine grained pyrite to 97.3. RQD=25-50, minor quartz veinlets at various angles to the core axis, moderately sericitic.
			97.3 98.0 0.4% fine grained pyrite associated with fractures at various angles to the core axis, bracket sample.
			104.0 105.4 At 104-107 meters, 0.7% fine grained pyrite associated with fractures at various angles to the core axis, hematite alteration, variably sericitic.
			106.4 107.0 Highly fractured interval to 113, RQD=5.
			119.0 120.0 0.3% fine grained disseminated pyrite, with minor hematite alteration to 126.
			138.0 139.0 0.2% fine grained disseminated pyrite. Minor pyrite also along fractures at various angles to the core axis. RQD=35. Weak sericitic alteration to 140.4.
			173.0 174.0 0.6% fine grained pyrite associated with quartz-calcite stringers, moderately sericitic, weakly ankeritic.
			174.0 175.0 0.8% fine grained pyrite associated with fractures at 55 degrees to the core axis. Weak - moderate sericitic and hematite alteration.
			175.0 176.0 0.7% fine grained banded pyrite with minor quartz-calcite veinlets at 55 degrees to the core axis, minor hematite alteration.
			176.0 177.5 Same as above, weakly silicification.
			177.5 179.0 0.5% fine grained pyrite. Stringer silicification to 180.5. Moderately sericitic with weak ankeritic alteration. Minor quartz stringers at 50 degrees to the core axis.
			180.5 182.0 0.5% fine grained pyrite with minor hematite alteration, very weak sericitic alteration.
			182.0 183.5 0.8% fine grained pyrite as bands. Moderate hematite alteration. Local quartz stringers at 50 degrees to the core axis.
			196.0 197.0 0.5% fine grained disseminated pyrite, variably sericitic with local quartz flooding.
			203.0 204.5 0.2% fine grained disseminated pyrite, sericitic alteration at 203-210 meters. Quartz veinlets at 30 degrees to the core axis.

Sample	From (m)	To (m)	Lngt (m)	SUL (%)	CU (%)	AU g/t	AURE g/t	AUAV g/t
7876	138.0	139.0	1.0	.2		.99	1.23	1.11
7877	139.0	140.4	1.4	.2		.01		.01
7878	173.0	174.0	1.0	.6		.11		.11
7879	174.0	175.0	1.0	.8		.04	.05	.05
7880	175.0	176.0	1.0	.7		.01		.01
7881	176.0	177.5	1.5	.7		.00		.00
7882	177.5	179.0	1.5	.5		.01		.01
7883	179.0	180.5	1.5	.5		.02		.02
7884	180.5	182.0	1.5	.4		.06		.06
7885	182.0	183.5	1.5	.8		.00		.00
7886	183.5	185.0	1.5	.8		.08	.06	.07
7887	196.0	197.0	1.0	.4		.00		.00
7888	202.0	203.0	1.0	.4		.00		.00
7889	203.0	204.5	1.5	.2		.02		.02
7890	204.5	206.0	1.5	.2		.00		.00
7891	206.0	207.0	1.0	.2		.00		.00
7892	209.0	210.0	1.0	.2		.00		.00
7893	212.5	214.0	1.5	.2		.00		.00
7894	218.0	219.0	1.0	.2		.00		.00
7895	223.0	224.0	1.0	.4		.00		.00
7896	235.0	236.0	1.0	.5		.03	.03	.03
7897	240.7	241.8	1.1	.4		.00		.00
7898	241.8	243.2	1.4	.5		.14		.14
7899	243.2	243.7	.5	.4		.61	.63	.62
7900	243.7	245.0	1.3	.5		.11		.11

From (m)	To (m)	Rock Type	Geology	Sample	From (m)	To (m)	Lngt (m)	SUL (%)	CU (%)	AU g/t	AURE g/t	AUAV g/t
			212.5 214.0 0.2% fine grained disseminated pyrite. Moderate sericitic alteration, quartz flooding, very minor tourmaline to 214.0. 235.0 236.0 0.5% fine grained disseminated pyrite, minor pyrite also associated with fractures. DDH is now back into the standard QFP. 240.7 241.8 0.5% fine grained disseminated pyrite with strong sericitic alteration. Minor pyrite also associated with local fractures. 241.8 243.2 0.5% fine grained disseminated pyrite, sericitic alteration. 243.2 243.7 0.5% fine grained disseminated pyrite. Strong quartz flooding, moderate sericitic development. At 248 meters End of the Hole. Casing Removed From Hole. 50 Samples sent to Swastika Labs Ltd.									


1800N
2000N
2200N
PLAN:
CLAIM L-1201431
248m
180°
AZM
2600E
PMC-04
2600E
SECTION:
180°
AZM
#PMC-04 (2600 E, 2025~N)
0
0
-50°
OVERBURDEN
LOOKING WEST
1.11 g/t Au/1.0 m
248.00 m.
PMC-04
QUARTZ FELDSPAR PORPHYRY
-200
-200
2200N
SOUTH 1/2 LOT 9, CON. V
CLAIM L-1201431
SCALE:
0
50 m
1800N
2000N
PENTLAND FIRTH VENTURES LTD.
CARR PROJECT: Hole # PMC-04
SECTION 2600E
Larder Lake Mining Division
CARR TOWNSHIP
DATE: 97/05/12
SCALE: 1/2500

2.17369

PENTLAND FIRTH VENTURES LTD.

DRILL HOLE RECORD

Property: CARR Project
EASTING: 4050.0
NORTHING: 3100.0
Elevation: .0
Grid: PFVL 1994
Collar Azm: 360
Collar Dip: -90
Local Ref: \Ref1
Hole Length: 278.0 metres
Print Date: 13 May, 1997

*** Dip Tests ***

Depth	Azi.	Dip
50	360	-89
100	360	-90
150	360	-90
200	360	-90
250	360	-88
278	360	-88

Drill Hole: PMC-05
Township: Carr
Claim #: L-1114457
Date Started: JUNE 13, 1995
Completed: JUNE 19, 1995
Logged by: R.M. LANDRY
Date(s) Logged: June 19, 1995
Drilled by: NOREX DRILLING LTD.
Core Size: BQ
Company: PFVL

Purpose: Vertical DDH to test the attitude of previously intersected (1990) Au-Cu Mineralization
Hole Condition: Casing Pulled. CORE STORED at the Marlhill Mine, Hoyle Twp, Timmins
Comments: Collar LOCATED at 100m South, 50m East of No. 4 Post, L-1114457

From (m)	To (m)	Rock Type	Geology
.0	22.3		OVERBURDEN
22.3	53.2		MODERATELY ALTERED QUARTZ FELDSPAR PORPHYRY LITHOLOGY: a light green grey to medium grey coloured, hard, porphyritic intrusive rock unit. - Individual phenocrysts of white - grey quartz and subhedral to euhedral, white feldspar locally identified. Minor quartz-calcite veinlets at various angles to the core axis. ALTERATION: pervasive sericite development, variably ankeritic. SULPHIDES: 0.5-2.0% fine to medium grained, disseminated and fracture filling pyrite. Minor pyrrhotite and chalcopyrite occasionally noted. STRUCTURE: unit is relatively un fractured. RQD=90-100. 22.3 23.0 0.5% fine grained disseminated pyrite and minor QUARTZ VEINs at various angles to the core axis at 22.3-26 meters. Sericitic alteration and minor pyrite adjacent to the fractures at 55 degrees to the core axis. 26.0 27.0 0.6% fine grained pyrite, as both disseminated and fracture filling. 27.0 28.0 0.5% fine grained disseminated pyrite, minor sericitic and chloritic alteration.

Sample	From (m)	To (m)	Lngt (m)	SUL (%)	CU (%)	AU g/t	AURE g/t	AUAV g/t
7901	22.3	23.0	.7	.5		.05		.05
7902	23.0	24.5	1.5	.5		.06		.06
7903	24.5	26.0	1.5	.5		.09		.09
7904	26.0	27.0	1.0	.6		.00		.00
7905	27.0	28.0	1.0	.5		.20	.19	.19
7906	28.0	29.0	1.0	.5		.03		.03
7907	29.0	30.5	1.5	.5		.00		.00
7908	30.5	32.0	1.5	.5		.15		.15
7909	32.0	33.5	1.5	.5		.03	.02	.02
7910	33.5	35.0	1.5	.5		.02		.02
7911	35.0	36.5	1.5	.5		.04	.03	.04
7912	36.5	37.5	1.0	.7		.07		.07
7913	37.5	38.5	1.0	1.5		.00		.00
7914	38.5	39.5	1.0	1.5		.05		.05
7915	39.5	40.5	1.0	1.5		.04		.04
7916	40.5	41.5	1.0	1.5		.05		.05
7917	41.5	42.5	1.0	2.0	0	.07		.07
7918	42.5	43.6	1.1	2.5	0	.11	.11	.11
7919	43.6	44.4	.8	2.0	0	.08		.08
7920	44.4	45.0	.6	1.8	0	.16		.16
7921	45.0	46.4	1.4	1.5	0	.24		.24
7922	46.4	47.4	1.0	1.5	0	.19		.19
7923	47.4	48.4	1.0	1.5	0	.15		.15
7924	48.4	49.4	1.0	1.5	0	.03		.03

From (m)	To (m)	Rock Type	Geology	Sample	From (m)	To (m)	Lngt (m)	SUL (%)	CU (%)	AU g/t	AURE g/t	AUAV g/t
			36.5 37.5 0.6% fine grained to medium grained disseminated pyrite with minor chalcopyrite, minor quartz-calcite stringers with minor carbonate filled fractures light grain with moderate sericitic alteration.	7925	49.4	50.3	.9	1.5	0	.15		.15
				7926	50.3	51.3	1.0	15.0	1	.29		.29
			37.5 38.5 1.3% fine grained disseminated pyrite with darker chloritic zones at 37.5-44.4 meters. Minor sericitic alteration and carbonate filled fracture.	7927	51.3	52.5	1.2	20.0	0	.22	.20	.21
				7928	52.5	53.2	.7	1.0	0	.20		.20
			44.4 45.0 2% pyrite, minor QUARTZ VEIN at 60-70 degrees to the core axis at 45-50.3 meters. Interval is also variably sericitic, areas of chlorite alteration, occasional silicification.									
			50.3 51.3 15% semi-massive pyrite, silicification with moderate sericitic alteration.									
			51.3 52.5 20% semi-massive pyrite !.									
			52.5 53.2 1% disseminated and fracture filling pyrite. Minor quartz-calcite stringers.									
53.2	70.2		ARGILLITE	7929	53.2	54.2	1.0	.5		.01		.01
				7930	58.0	59.0	1.0	.4		.01		.01
			LITHOLOGY: a light grey, relatively soft fine grained sediment.	7931	61.0	62.0	1.0	.5		.01		.01
				7932	62.0	63.5	1.5	.6		.02		.02
			- minor quartz-calcite stringers at 10-20 degrees to the core axis.	7933	63.5	65.0	1.5	.5		.01		.01
				7934	65.0	66.4	1.4	.6		.01		.01
			ALTERATION: weak to moderate, pervasive, sericitic alteration. Very weak ankeritic development adjacent to the veining.	7935	66.4	67.7	1.3	.5		.04		.04
				7936	67.7	69.2	1.5	.5		.17		.17
				7937	69.2	70.2	1.0	.5		.20	.23	.22
			SULPHIDES: trace to 0.5% sulphides, as disseminated and fracture associated pyrite. Trace to occasionally minor chalcopyrite.									
			STRUCTURE: - a consistent orientation of the Bedding/layering is difficult to distinguish.									
			- minor fractures at various angles to the core axis, RQD=80-90.									
			53.2 54.2 0.5% fine grained fracture filling pyrite, local quartz-calcite stringers at various angles to the core axis.									
			62.0 63.5 0.6% fine grained - medium grained pyrite, sericitic alteration to 70.2									
70.2	90.5		MODERATELY ALTERED QUARTZ FELDSPAR PORPHYRY	7938	70.2	71.0	.8	.4		.04		.04
				7939	71.0	72.0	1.0	.3		.08		.08
			LITHOLOGY: a light green-grey to grey, hard, porphyritic intrusive unit.	7940	72.0	73.0	1.0	.4		.03		.03
			- phenocrysts of quartz and feldspar easily identified.	7941	73.1	74.0	.9	.4		.04		.04

From (m)	To (m)	Rock Type	Geology	Sample	From (m)	To (m)	Lngt (m)	SUL (%)	CU (%)	AU g/t	AURE g/t	AUAV g/t
			- minor quartz-calcite veinlets at various attitudes.	7942	74.0	75.0	1.0	.3		.04		.04
				7943	75.0	76.0	1.0	.3		.04		.04
			ALTERATION: weak to locally moderate, pervasive, sericite. Weak ankeritic alteration adjacent to the veinlets.	7944	76.0	77.0	1.0	.3		.03	.03	.03
				7945	77.0	78.4	1.4	.3		.03		.03
				7946	78.4	79.2	.8	.2		.02		.02
				7947	79.2	80.0	.8	.3		.01		.01
			SULPHIDES: 0.5-2% pyrite to disseminated and fracture filling. Trace - minor pyrrhotite, chalcopyrite.	7948	80.0	81.2	1.2	.5		.03		.03
				7949	81.2	82.1	.9	.4		.03		.03
				7950	82.1	83.0	.9	2.5		.05	.05	.05
			STRUCTURE: local fractures at 70-90 degrees to the core axis. Core is quite competant, RQD=80.	7951	83.0	84.0	1.0	2.0		.02		.02
				7952	84.0	85.0	1.0	1.0		.04		.04
				7953	85.0	86.0	1.0	1.0		.00		.00
				7954	86.0	87.0	1.0	1.0		.10		.10
			70.2 71.0 0.4% fine grained disseminated pyrite. Sericitic alteration to 78.4. Minor quartz-calcite stringers.	7955	87.0	88.0	1.0	1.3		.08		.08
				7956	88.0	89.0	1.0	1.0		.07		.07
			72.0 73.0 Pyrite also coarse grained cubic, with very minor chalcopyrite.	7957	89.0	89.8	.8	1.0		.06		.06
			78.4 79.2 Sediments to 81.2, as wallrock inclusion/xenolith. Minor quartz-calcite filled fractures, moderate sericite.	7958	89.8	90.5	.7	.6		.06		.06
			81.2 82.1 0.4% fine grained pyrite, moderate sericitic alteration. Minor quartz veinlets.									
			82.1 83.0 2.5% fracture filling pyrite, trace chalcopyrite. Minor quartz-calcite stringers.									
			84.0 85.0 1.0% disseminated and fracture filling, fine grained, pyrite to 89.8. Sericitic alteration, local veinlets at 40-50 degrees to the core axis.									
			89.8 90.5 0.6% pyrite, sericitic alteration, moderate silicification, with minor quartz veinlets and quartz-calcite stringers at 55 degrees to the core axis.									
90.5	105.1		ARGILLITE	7959	90.5	91.9	1.4	.6		.10		.10
				7960	91.9	93.4	1.5	1.0		.36	.37	.37
			Light green, soft, very fine grained sediments. Minor quartz-calcite stringers at 10-20 degrees to the core axis. Occasional fingers of very fine grained pale-bleached QFP noted.	7961	93.4	94.5	1.1	.4		.05		.05
				7962	94.5	96.0	1.5	.4		.09		.09
				7963	96.0	97.5	1.5	.4		.01		.01
				7964	97.5	98.9	1.4	.5		.02		.02
			Units lower contact is talc-rich.	7965	98.9	100.4	1.5	.5		.04		.04
				7966	100.4	101.8	1.4	.4		.01		.01
			Weak, pervasive, sericitic alteration. Very weak ankeritic alteration adjacent to the quartz-calcite veinlets.	7967	101.8	103.3	1.5	.3		.01		.01
				7968	103.3	104.0	.7	.3		.00		.00
				7969	104.0	105.1	1.1	.3		.65	.79	.72
			Trace to 0.5% pyrite - disseminated and fracture filling. Trace chalcopyrite.									
			Minor fractures at various angles to the core axis.									

From (m)	To (m)	Rock Type	Geology
			At 90.8-91.2 meters, brecciated interval : clasts of sediments with an ankerite matrix. Minor py - calcite rims surrounding clasts. 90.5 91.9 0.6% fine grained fracture filling pyrite, minor quartz-calcite stringers at various angles to the core axis. 91.9 93.4 1.0% fine grained pyrite associated with fractures. Minor chalcopyrite, pyrrhotite. Moderate sericitic alteration, minor quartz-calcite stringers at various angles to the core axis. 93.4 94.5 0.4% fine grained pyrite with quartz-calcite stringers at various angles to the core axis. Moderate sericitic alteration at 93.4-105.1 meters.
105.1	250.0		MODERATELY ALTERED QUARTZ FELDSPAR PORPHYRY Light green grey to locally medium grey coloured, hard, intrusive material; as described/encountered uphole. - again, the visible 1-3mm sized phenocrysts are composed of quartz and feldspar. Moderate, pervasive, sericitic development. Weak ankeritic alteration adjacent to quartz-calcite veinlets. Locally minor hematite alteration, occasional potassic alteration. Unit averages 0.5-2% disseminated and fracture filling pyrite. Trace pyrrhotite and chalcopyrite. RQD=90. Occasional fractures oriented at 70-90 degrees to the core axis. At 109.3-116.5 meters inclusion/xenolith of the host sediments within the QFP. Sample Descriptions: 105.1 106.2 QFP; with predominantly 0.3-0.5% fine grained disseminated pyrite. Moderately sericitic, minor quartz-calcite stringers at various angles to the core axis to 122.5. 109.3 110.3 Interval includes a xenolith of sediments to 0.4% fine grained fracture filling pyrite. Sericitic. Minor quartz-calcite stringers at 40-65 degrees to the core axis. 121.0 122.5 Minor hematite alteration. 122.5 123.5 0.2% fine grained disseminated pyrite, minor sericitic and hematite alteration.

Sample	From (m)	To (m)	Lngt (m)	SUL (%)	CU (%)	AU g/t	AURE g/t	AUAV g/t
7970	105.1	106.2	1.1	.4		.12		.12
7971	106.2	107.0	.8	.4		.05		.05
7972	107.0	108.4	1.4	.5		.00		.00
7973	108.4	109.3	.9	.5		.00		.00
7974	109.3	110.3	1.0	.4		.02		.02
7975	110.3	111.8	1.5	.3		.02		.02
7976	111.8	113.2	1.4	.2		.01		.01
7977	113.2	114.7	1.5	.3		.01		.01
7978	114.7	116.0	1.3	.2		.01		.01
7979	116.0	116.5	.5	.2		.00		.00
7980	116.5	117.5	1.0	.5		.02		.02
7981	117.5	118.5	1.0	.4		.01		.01
7982	118.5	119.5	1.0	.4		.07	.09	.08
7983	119.5	121.0	1.5	.2		.01		.01
7984	121.0	122.5	1.5	.2		.00		.00
7985	122.5	123.5	1.0	.2		.00		.00
7986	123.5	124.8	1.3	.3		.01	.01	.01
7987	124.8	126.0	1.2	.3		.00		.00
7988	126.0	127.0	1.0	.3		.05		.05
7989	127.0	128.0	1.0	.4		.34	.34	.34
7990	128.0	129.5	1.5	.4		.16		.16
7991	129.5	131.0	1.5	.3		.03		.03
7992	131.0	132.5	1.5	1.0		.03		.03
7993	132.5	134.0	1.5	1.0		.00		.00
7994	134.0	135.0	1.0	1.0		.18	.17	.18
7995	135.0	136.0	1.0	.6		.05		.05
7996	136.0	137.0	1.0	.2		.03		.03
7997	137.0	138.0	1.0	.8		.00		.00
7998	138.0	139.0	1.0	1.0		.09		.09
7999	139.0	140.0	1.0	1.0		.01		.01

From (m)	To (m)	Rock Type	Geology	Sample	From (m)	To (m)	Lngt (m)	SUL (%)	CU (%)	AU g/t	AURE g/t	AUAV g/t
			123.5 124.8 0.3% fine grained, disseminated, pyrite. Moderate sericitic alteration. Very minor ankeritic development.	8000	140.0	141.0	1.0	.8		.00		.00
				4001	141.0	142.0	1.0	.6		.00		.00
			124.8 126.0 0.3% fine grained disseminated pyrite, minor quartz-calcite, minor hematite alteration alteration.	4002	142.0	143.0	1.0	.6		.01		.01
				4003	143.0	144.0	1.0	.6		.02		.02
			127.0 128.0 0.4% fine grained disseminated and fracture filling pyrite. Minor quartz-calcite stringers at 50 degrees to the core axis.	4004	144.0	145.0	1.0	.6		.02	.02	.02
				4005	145.0	146.0	1.0	.6		.03		.03
			129.5 131.0 0.2% fine grained disseminated pyrite, chalcopyrite. Fractures at 25 degrees to the core axis with calcite filling. Moderate sericite, minor potassic alteration.	4006	146.0	147.0	1.0	.6		.02		.02
				4007	147.0	148.1	1.1	.6		.01		.01
				4008	148.1	149.4	1.3	.4		.00		.00
			131.0 132.5 1.0% fine to locally coarse grained disseminated pyrite to 134. Weak to moderate potassic alteration, minor sericite.	4009	149.4	150.9	1.5	.4		.00		.00
				4010	150.9	152.3	1.4	.4		.02		.02
			134.0 135.0 Minor magnetite bands.	4011	152.3	153.7	1.4	.4		.26	.22	.24
			135.0 136.0 0.6% fine grained disseminated pyrite, minor quartz-calcite stringers at various angles to the core axis, moderate sericite.	4012	153.7	155.1	1.4	.4		.02		.02
				4013	155.1	156.6	1.5	.4		.04		.04
			136.0 137.0 0.2% very fine grained disseminated pyrite, moderately silicified, minor sericite.	4014	156.6	158.0	1.4	.5		.09		.09
				4015	158.0	159.4	1.4	.5		.18		.18
			137.0 138.0 0.8% pyrite, moderately silicified, quartz veinlet at 65 degrees to the core axis, minor sericitic alteration.	4016	159.4	160.8	1.4	.4		.02		.02
				4017	160.8	162.2	1.4	.3		.02		.02
			138.0 139.0 0.8% fine grained pyrite, 0.2% chalcopyrite. Moderate hematite alteration, weak to moderately magnetic, weakly sericitic to 140.	4018	162.2	163.7	1.5	.3		.03		.03
				4019	163.7	165.0	1.3	.3		.02		.02
			140.0 141.0 0.8% fine grained disseminated and fracture filling pyrite. Minor quartz-calcite stringers, moderate sericitic alteration to 149.4.	4020	165.0	166.5	1.5	.2		.03	.05	.04
				4021	166.5	167.9	1.4	.3		.01		.01
			148.1 149.4 0.4% fine grained disseminated pyrite. Moderate sericite and silicification, very minor hematite alteration associated with quartz-calcite veinlets, samples to #4023 are the same.	4022	167.9	169.3	1.4	.4		.02		.02
				4023	169.3	170.8	1.5	.4		.01		.01
				4024	170.8	172.3	1.5	.3		.01		.01
			169.3 170.8 0.4% fine grained disseminated pyrite, with moderate potassic alteration.	4025	172.3	173.0	.7	.3		.01		.01
				4026	173.0	174.0	1.0	.4		.01		.01
			170.8 172.3 0.3% fine grained disseminated pyrite to 175. Minor to moderate potassic alteration, minor sericitic alteration with minor quartz veinlets.	4027	174.0	175.0	1.0	.5		.01		.01
				4028	175.0	176.0	1.0	.5		.01		.01
				4029	176.0	177.0	1.0	.5		.00		.00
			175.0 176.0 0.5% fine grained disseminated pyrite, trace chalcopyrite. Moderate potassic alteration, minor sericite to 178.	4030	177.0	178.0	1.0	.4		.01		.01
				4031	178.0	179.0	1.0	.5		.11	.08	.09
			178.0 179.0 0.5% fine grained fracture filling pyrite at 179-184 meters. Fractures at 40 degrees to the core axis, minor QUARTZ VEIN, moderate sericitic alteration.	4032	179.0	180.0	1.0	.5		.10		.10
				4033	180.0	181.0	1.0	.4		.01		.01
				4034	181.0	182.0	1.0	.5		.01		.01
			184.0 185.0 0.2% fine grained euhedral disseminated pyrite. Very minor number of quartz-calcite veinlets, predominantly at 80 degrees to the core axis. Minor sericite.	4035	182.0	183.0	1.0	1.0		.03		.03
				4036	183.0	184.0	1.0	.4		.01		.01
				4037	184.0	185.0	1.0	.2		.02		.02
			193.0 193.6 0.2% fine grained disseminated pyrite, bracket sample, minor sericitic alteration.	4038	185.0	186.0	1.0	.3		.01		.01
				4039	193.0	193.6	.6	.2		.01		.01
			193.6 193.9 0.2% pyrite associated with quartz veinlet at 80 degrees to the core axis.	4040	193.6	193.9	.3	.2		.01		.01
				4041	193.9	194.5	.6	.2		.01		.01
			193.9 194.5 Bracket sample, minor pyrite, weakly sericitic.	4042	196.6	197.0	.4	.2		.00		.00
			196.6 197.0 0.2% fine grained disseminated pyrite, with 1-2 cm QUARTZ VEIN at 83 degrees to the core axis.	4043	197.0	197.9	.9	.1		.00		.00
				4044	197.9	198.5	.6	.3		.01		.01
			197.9 198.5 0.3% fine grained disseminated euhedral pyrite. Quartz veinlets at	4045	198.5	199.1	.6	.1		.04		.04

From (m)	To (m)	Rock Type	Geology	Sample	From (m)	To (m)	Lngt (m)	SUL (%)	CU (%)	AU g/t	AURE g/t	AUAV g/t
			80 degrees to the core axis, minor adjacent sericite.	4046	199.1	199.7	.6	.3		.03	.03	.03
			199.1 199.7 Bracket sample, minor quartz calcareous stringers at 45 degrees to the core axis.	4047	199.7	200.0	.3	.3		.05		.05
				4048	200.0	200.9	.9	.1		.01		.01
			199.7 200.0 Minor QUARTZ VEIN at 86 degrees to the core axis, 2.5 cm TW.	4049	200.9	201.3	.4	.3		.03		.03
			200.9 201.3 0.3% fine grained disseminated pyrite with QUARTZ VEIN at 75 degrees to the core axis, 3 cm TW. Minor sericite.	4050	201.3	201.6	.3	1.0		*****		******
				4051	201.6	202.0	.4	.3		.04		.04
				4052	202.0	203.0	1.0	.2		.02		.02
				4053	203.0	204.0	1.0	.1		.00		.00
			201.3 201.6 One 1-2 cm TW quartz-calcite vein with ankerite crystals lining the vein walls, oriented AT 20 degrees to the core axis. Hosts numerous coarse grains of VISIBLE GOLD, ranging in size from 1-5 mm. The adjacent wallrock is green-grey and weakly sericitic.	4054	204.0	204.5	.5	.2		.01		.01
				4055	204.5	205.5	1.0	.3		.10	.08	.09
				4056	205.5	206.5	1.0	.2		.01		.01
				4057	206.5	207.2	.7	.3		.01		.01
				4058	207.2	207.5	.3	.5		.02		.02
				4059	207.5	208.3	.8	.2		.02		.02
				4060	208.3	208.6	.3	.3		.01		.01
				4061	208.6	209.0	.4	.1		.01		.01
				4062	209.0	209.6	.6	.3		.01		.01
				4063	209.6	210.0	.4	.2		.02		.02
				4064	210.0	210.5	.5	.3		.11		.11
				4065	210.5	210.9	.4	.3		.03		.03
				4066	210.9	211.2	.3	.2		.02		.02
				4067	211.2	211.7	.5	.4		.03		.03
				4068	211.7	212.0	.3	.3		.01		.01
				4069	212.0	212.4	.4	.3		.00		.00
				4070	212.4	213.0	.6	.2		.03		.03
				4071	213.0	213.5	.5	.2		.00		.00
				4072	213.5	215.0	1.5	.4		.01		.01
				4073	215.0	215.4	.4	.2		.01		.01
				4074	215.4	215.9	.5	.6	0	1.92	2.15	2.04
				4075	215.9	216.7	.8	.3		.01		.01
				4076	216.7	217.0	.3	.4		.06		.06
				4077	220.0	221.0	1.0	.3		.28		.28
				4078	225.7	226.0	.3	.3		.00		.00
				4079	226.0	226.3	.3	.5		.03		.03
				4080	226.3	227.0	.7	.3	0	.02		.02
				4081	227.0	227.5	.5	.5	0	.74		.74
				4082	227.5	228.0	.5	.3	0	.05		.05
				4083	228.0	228.6	.6	.4	0	.79		.79
				4084	228.6	229.0	.4	.3	0	.24		.24
				4085	229.0	229.5	.5	.5	0	1.99	1.97	1.98
				4086	229.5	230.3	.8	.4	0	.05		.05
				4087	230.3	231.1	.8	.3	0	.41		.41
				4088	231.1	231.9	.8	.3	0	.16		.16
				4089	231.9	232.6	.7	.3	0	.30		.30
				4090	232.6	233.2	.6	.5	0	.35		.35
				4091	233.2	234.0	.8	.4	0	.28		.28

At 201.3 meters SAMPLE #4050: PULP METALLIC ASSAY RESULTS:

Total Wt(g) = 768.6
+100 Mesh Wt (g) = 20.16
Assay Value Au: +100 (g/t) = 37225.15, -100 (g/t) = 55.71
Total Weight Au: +100 (mg) = 750.459, -100 (mg) = 41.699
Metallic Au: (oz/ton) = 28.476, (g/t) = 976.2
Net Au: (oz/ton) = 30.058, (g/t) = 1030.57

Associated with the VG, was a soft grey metallic mineral, originally thought to be molybendenite; assay results on this mineral returned 1500 ppm Ag, 47.4% Bi, 250 ppm Cu, 1500 ppm Pb, and 1200 ppm Sb.

The purity of the Gold in the Dore was also analysed. The Au % = 95.84%, the Ag % = 4.16%

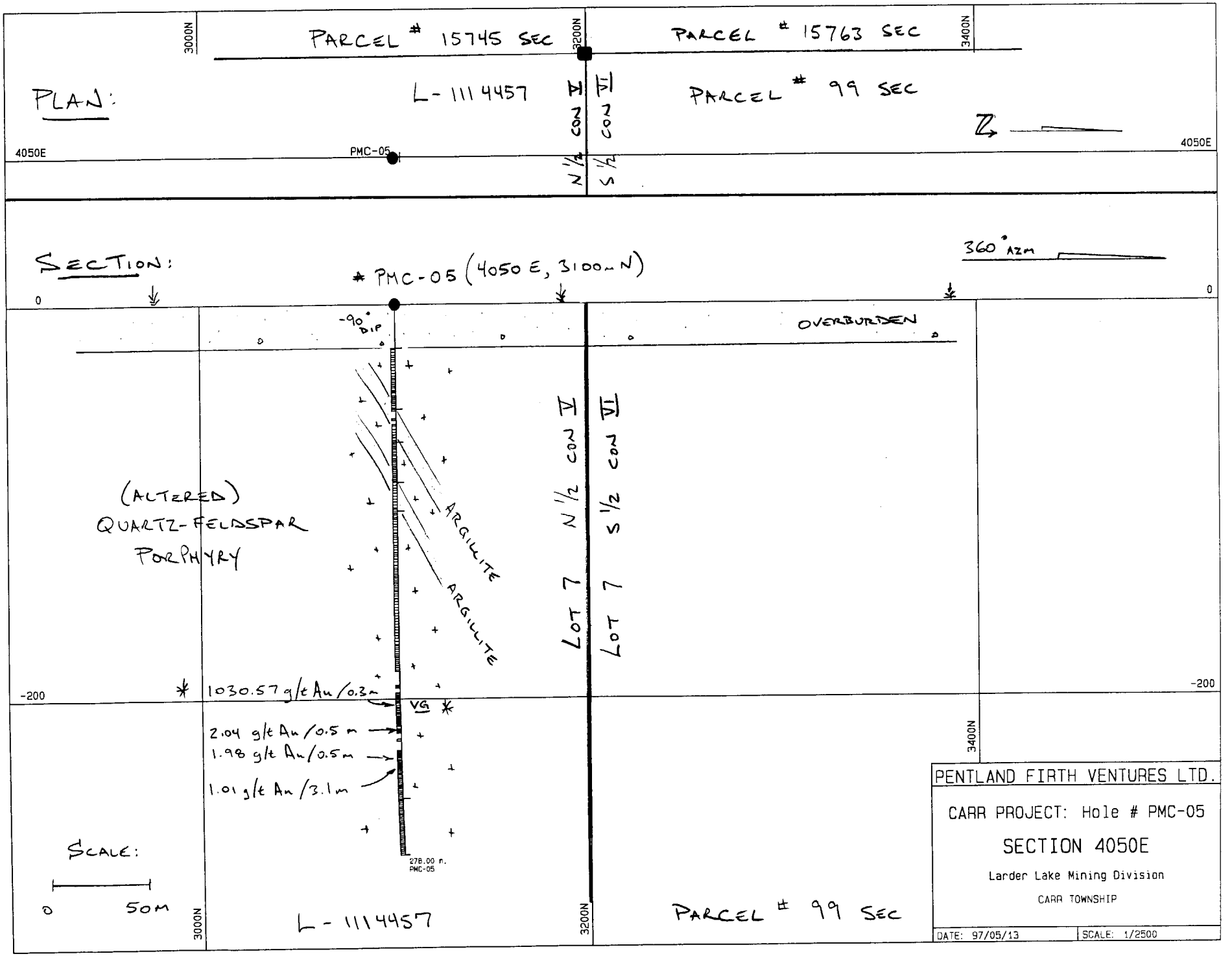
201.6 202.0 Bracket samples to 204.5. 0.3% fine grained disseminated euhedral pyrite.
204.5 205.5 0.3% fine grained disseminated pyrite, minor sericite, 1.5 cm quartz veinlet at 30 degrees to the core axis.
207.2 207.5 0.5% fine grained pyrite associated with fractures at 60 degrees to the core axis. One 1.5 cm TW veinlet at 73 degrees to the core axis.
208.3 208.6 0.3% fine grained disseminated pyrite. 3 cm QUARTZ VEIN at 70 degrees to the core axis, minor sericitic alteration.
209.0 209.6 Quartz veinlets at both 70 and 20 degrees to the core axis, both 0.5 cm TW. Minor potassic alteration.
210.0 210.5 0.3% fine grained disseminated pyrite, minor fractures at 60 degrees to the core axis, 2 cm quartz-calcite vein at 90 degrees to the core axis.
210.9 211.2 0.2% disseminated pyrite with one 8cm TW at 90 degrees to the core axis. Minor sericite.
211.2 211.7 0.4% fine to coarse grained pyrite associated with fracture at 86

VG:* 1030.57 / 0.3m *

From (m)	To (m)	Rock Type	Geology	Sample	From (m)	To (m)	Lngt (m)	SUL (%)	CU (%)	AU g/t	AURE g/t	AUAV g/t
			degrees to the core axis.	4092	234.0	234.6	.6	.3	0	.57		.57
			211.7 212.0 0.3% fine grained disseminated pyrite adjacent to one 10 cm quartz-carbonate vein at 10 degrees to the core axis.	4093	234.6	235.2	.6	.7	0	.47		.47
			212.4 213.0 0.2% fine grained disseminated pyrite, 1 cm quartz-carbonate vein at 20 degrees to the core axis, minor sericitic alteration.	4094	235.2	236.0	.8	.6	0	1.30	1.23	1.26
				4095	236.0	237.0	1.0	.8	0	.80		.80
				4096	237.0	237.7	.7	.7	0	.99		.99
			213.5 215.0 0.4% fine grained disseminated pyrite associated with fracture at 45 degrees to the core axis, minor sericitic alteration.	4097	237.7	238.3	.6	.6	0	1.03		1.03
				4098	238.3	239.0	.7	.5	1	.57		.57
			215.4 215.9 0.6% fine grained disseminated euhedral pyrite adjacent to minor veinlets at 30 degrees to the core axis. Minor sericitic alteration.	4099	239.0	240.0	1.0	.5	0	.23		.23
				4100	240.0	241.0	1.0	.4	0	.35		.35
			216.7 217.0 0.4% fine grained disseminated pyrite with minor quartz veinlets at 70-90 degrees to the core axis, minor sericitic alteration to 227.	4101	241.0	242.0	1.0	.3	0	.13		.13
				4102	242.0	243.0	1.0	.3	0	.29		.29
			227.0 227.5 0.5% fine grained euhedral pyrite with moderate sericitic alteration adjacent to a 2.5 cm QUARTZ VEIN at 30 degrees to the core axis.	4103	243.0	243.6	.6	.8	0	.63	.69	.66
				4104	243.6	244.2	.6	.4	0	.32		.32
			229.0 229.5 Moderate sericite, 0.5% fine grained disseminated pyrite assoc. With 1-2 cm quartz-calcite veinlets at 20-40 degrees to the core axis.	4105	244.2	245.0	.8	.5	0	.65		.65
				4106	245.0	246.0	1.0	.4	0	.45		.45
			231.1 231.9 2-4 cm quartz-calcite veins at 50 degrees to the core axis, 0.3% fine grained disseminated pyrite.	4107	246.0	247.0	1.0	.6	0	.09		.09
				4108	247.0	248.0	1.0	.5		.23	.25	.24
			232.6 233.2 Several 3-5 cm quartz-carbonate veins at 20 to 45 degrees to the core axis. Adjacent moderate sericitic alteration, 0.5% fine grained pyrite.	4109	248.0	249.0	1.0	.5		.21		.21
				4110	249.0	250.0	1.0	.4		.05		.05
			234.0 234.6 0.3% fine grained disseminated pyrite, adjacent to a 2cm TW quartz-calcite veinlet at 45 degrees to the core axis. Moderate adjacent sericite.									
			234.6 235.2 0.7% fine grained disseminated pyrite associated with QUARTZ VEIN and fractures. Two quartz-carbonate vein at 90 degrees to the core axis, 10 and 13 cm TW.									
			235.2 236.0 0.6% fine to coarse grained pyrite adjacent to several 1 cm quartz veinlets at various angles to the core axis at 235.2-241 meters.									
			240.0 241.0 0.4% fine grained disseminated pyrite with moderate sericitic alteration to 243. Minor fracture at 50 degrees to the core axis.									
			243.0 243.6 Predominantly 0.4-0.8% fracture filling pyrite to 250. Fractures at 40-50 degrees to the core axis, very minor stringers and veinlets.									
250.0	278.0		ALTERED QUARTZ FELDSPAR PORPHYRY	4111	250.0	250.5	.5	.3		.01		.01
				4112	250.5	251.0	.5	.5		.04	.05	.05
			A less altered and veined portion of the Felsic Intrusive described immediately uphole.	4113	251.0	252.0	1.0	.5		.03		.03
				4114	252.0	253.0	1.0	.4		.01		.01
			- green-grey coloured rich, hard, with phenocrysts of quartz and feldspar.	4115	253.0	254.0	1.0	.4		.00		.00
			- weakly magnetic.	4116	254.0	255.0	1.0	.5		.09		.09
				4117	255.0	256.0	1.0	.5		.12		.12
			The rock is only very weakly sericitic. Local weak ankeritic alteration occurs adjacent to the minor quartz-calcite veinlets at various angles to the core axis. Minor hematite and potassic alteration locally.	4118	256.0	257.0	1.0	.5		.05		.05
				4119	257.0	258.0	1.0	.5		.18		.18
				4120	258.0	259.0	1.0	.5		.08		.08

1.01 / 3.1m

From (m)	To (m)	Rock Type	Geology	Sample	From (m)	To (m)	Lngt (m)	SUL (%)	CU (%)	AU g/t	AURE g/t	AUAV g/t
				4121	259.0	260.0	1.0	.4		.09		.09
			SULPHIDES: 0.5-2.0% disseminated and fracture associated pyrite. Occasional pyrrhotite and chalcopyrite.	4122	260.0	261.0	1.0	.4		.14	.13	.13
				4123	261.0	262.0	1.0	.4		.04		.04
			Minor fractures at 40-50 degrees to the core axis.	4124	262.0	263.0	1.0	.5		.04		.04
				4125	263.0	264.0	1.0	.4		.04		.04
				4126	264.0	265.0	1.0	.4		.05		.05
				4127	265.0	266.0	1.0	.4		.03		.03
			Sample Descriptions:	4128	266.0	267.0	1.0	.4		.04	.05	.05
				4129	267.0	268.0	1.0	.4		.04		.04
			250.0 250.5 0.3% fine grained disseminated pyrite associated with fractures at 20-40 degrees to the core axis. Weak adjacent sericitic alteration.	4130	268.0	269.0	1.0	.4		.04		.04
				4131	269.0	270.0	1.0	.4		.03		.03
			250.5 251.0 A darker green coloured, chloritic interval at 250.5-259 meters, with 0.5% pyrite associated with fractures at various angles to the core axis. Very minor sericitic alteration, weakly magnetic.	4132	270.0	271.0	1.0	.4		.02		.02
				4133	271.0	272.0	1.0	.5		.03		.03
				4134	272.0	273.0	1.0	.5		.10		.10
			259.0 260.0 0.3% fine grained disseminated pyrite, trace disseminated pyrrhotite and chalcopyrite. Very weak sericite, weakly magnetic to 271.	4135	273.0	274.0	1.0	.4		.10		.10
				4136	274.0	275.0	1.0	.4		.06		.06
				4137	275.0	276.0	1.0	.4		.09		.09
			271.0 272.0 0.4% fine grained disseminated pyrite with trace pyrrhotite, chalcopyrite. Chloritic and weakly magnetic interval to 278. Minor quartz veinlets at 40-50 degrees to the core axis. Occasional semi-massive chalcopyrite.	4138	276.0	277.0	1.0	.4		.04		.04
				4139	277.0	278.0	1.0	.4		.11	.12	.11
			At 278 meters END of the HOLE.									
			Casing Pulled.									
			239 Samples submitted to Swastika Labs Ltd.									


PLAN:
PARCEL # 15745 SEC
L-1114457
PARCEL # 15763 SEC
PARCEL # 99 SEC
3000N
3200N
3400N
4050E
PMC-05
N 1/2 CON V
S 1/2 CON VI
SECTION:
* PMC-05 (4050 E, 3100 N)
360° AZM
0
-90° DIP
OVERBURDEN
(ALTERED) QUARTZ-FELDSPAR PORPHYRY
ARGILLITE
ARGILLITE
LOT 7 N 1/2 CON V
LOT 7 S 1/2 CON VI
-200
1030.57 g/t Au/0.3m
VG
2.04 g/t Au/0.5 m
1.98 g/t Au/0.5m
1.01 g/t Au/3.1m
278.00 m.
PMC-05
SCALE:
0
50m
L-1114457
PARCEL # 99 SEC
PENTLAND FIRTH VENTURES LTD.
CARR PROJECT: Hole # PMC-05
SECTION 4050E
Larder Lake Mining Division
CARR TOWNSHIP
DATE: 97/05/13
SCALE: 1/2500

2.17369

PENTLAND FIRTH VENTURES LTD.

DRILL HOLE RECORD

Property:	CARR Project
EASTING:	4300.0
NORTHING:	1475.0
Elevation:	.0
Grid:	PFVL 1994
Collar Azm:	180
Collar Dip:	-45
Local Ref:	\Ref1
Hole Length:	368.0 metres
Print Date:	14 May, 1997

*** Dip Tests ***

Depth	Azi.	Dip
50	180	-44
100	184	-41
150	185	-40
200	185	-40
250	186	-40
300	190	-39
368	190	-38

Drill Hole:	PMC-06
Township:	Carr
Claim #:	Parcel 14694 SEC
Date Started:	JUNE 20, 1995
Completed:	JUNE 27, 1995
Logged by:	R.M. LANDRY
Date(s) Logged:	June 27, 1995
Drilled by:	NOREX DRILLING LTD.
Core Size:	BQ
Company:	PFVL

Purpose: Test an IP feature, within the Southern portion of the Felsic Intrusive, for Au-Cu Mineralization
Hole Condition: Casing pulled. CORE STORED at the Marlhill Mine, Hoyle Twp, Timmins
Comments: DDH is LOCATED 275m East, 125m South of the Parcel's NW corner

From (m)	To (m)	Rock Type	Geology
.0	54.0		OVERBURDEN
54.0	155.6		MODERATELY ALTERED QUARTZ FELDSPAR PORPHYRY A light green coloured, hard, moderately altered, porphyritic, felsic intrusive. - Individual white 2-3 mm sized laths of f-spar, and translucent to watery grey quartz eyes may be identified. - local quartz Flooding. - minor quartz-calcite stringers and veinlets. ALTERATION: Typically moderate sericitic development. Minor ankerite, occasional potassic alteration adjacent to local fractures. - silicified adjacent to local veining. SULPHIDES: trace to 1.0% fine grained - medium grained disseminated and fracture filling pyrite. Occasional fine chalcopyrite and pyrrhotite. STRUCTURE: at 54-65 meters, possible fault zone: RQD 25-35. Fractures oriented at 30 to 60 degrees to the core axis. Sample Descriptions: 66.0 67.0 0.1-0.3% fine grained disseminated pyrite, moderate sericite to 78,

Sample	From (m)	To (m)	Lngt (m)	SUL (%)	CU (%)	AU g/t	AURE g/t	AUAV g/t
4140	66.0	67.0	1.0	.1		.02		.02
4141	67.0	68.0	1.0	.1		.03		.03
4142	71.0	72.0	1.0	.1		.00		.00
4143	72.0	73.0	1.0	.1		.01		.01
4144	73.0	74.0	1.0	.2		.01		.01
4145	77.0	78.0	1.0	.2		.01		.01
4146	78.0	79.0	1.0	.3		.00		.00
4147	79.0	80.0	1.0	.1		.00		.00
4148	92.0	93.0	1.0	.2		.00		.00
4149	93.0	94.0	1.0	.1		.01		.01
4150	94.0	95.0	1.0	.2		.00		.00
4151	103.0	104.0	1.0	.2		.00		.00
4152	104.0	105.0	1.0	.4		.01		.01
4153	105.0	106.2	1.2	.3		.01		.01
4154	129.0	130.0	1.0	.5		.00		.00
4155	135.5	136.5	1.0	.2		.01		.01
4156	136.5	137.5	1.0	.3		.00		.00
4157	137.5	138.3	.8	.2		.00		.00
4158	138.3	139.3	1.0	.4		.00		.00
4159	139.3	140.0	.7	.4		.01		.01
4160	140.0	141.5	1.5	.5		.00		.00
4161	141.5	143.0	1.5	.5		.00		.00
4162	143.0	144.5	1.5	.4		.07	.08	.08

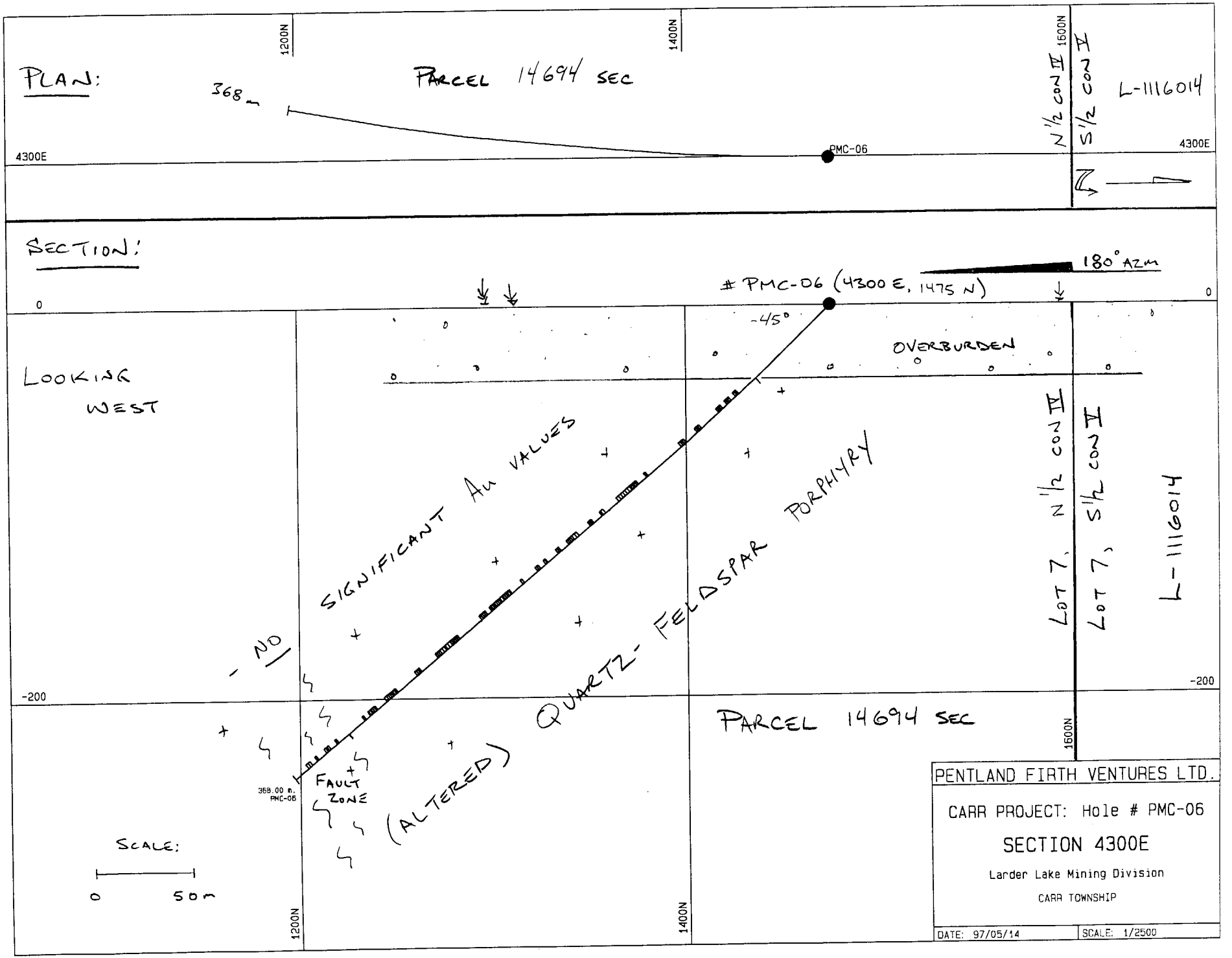
From (m)	To (m)	Rock Type	Geology
			minor quartz-carbonate veinlets at 30-45 degrees to the core axis, minor adjacent silicification.
			71.0 72.0 Minor QUARTZ VEINs at 45 degrees to the core axis.
			78.0 79.0 0.3% fine grained pyrite associated with a 10 cm QUARTZ VEIN. Moderate adjacent sericitic alteration, trace chalcopyrite.
			79.0 80.0 0.1% fine grained pyrite associated with minor stringers at 40 degrees to the core axis. Moderate sericite, minor potassic alteration at 79-95 meters.
			103.0 104.0 0.2-0.5% fine grained disseminated pyrite to 138.3, moderately sericitic, minor silicification, minor QUARTZ VEIN at 50 degrees to the core axis.
			137.5 138.3 0.2% fine grained disseminated pyrite, trace chalcopyrite, minor potassic alteration locally.
			138.3 139.3 0.4% fine grained disseminated pyrite, moderate sericitic alteration to 149. Minor quartz-carbonate veins at various angles to the core axis, minor potassic alteration.
155.6	214.1		MODERATELY ALTERED QUARTZ FELDSPAR PORPHYRY
			LITHOLOGY: a light red coloured, moderately hard, QFP intrusive.
			ALTERATION: weak - moderate, pervasive, potassic alteration. Weak sericite, minor silicification adjacent to the local veinings. Local minor ankerite.
			SULPHIDES: trace to 1.0%, fine grained - medium grained pyrite, disseminated and also associated with fractures. Minor chalcopyrite and pyrrhotite.
			STRUCTURE: predominantly competant core; RQD of 80-90. Local fractures at 10-50 degrees to the core axis.
			Sample Descriptions:
			158.0 159.5 0.3-0.5% fine grained disseminated pyrite to 214. Trace chalcopyrite, moderate potassic alteration, minor siliceous stringers and veinlets at 30-60 degrees to the core axis.
			159.5 159.9 1.5% chalcopyrite.
			188.0 189.0 Minor veining at 90 degrees to the core axis, moderate potassic alteration, minor sericite.
			213.0 214.1 0.4% fine grained pyrite associated with fractures at 30 degrees to the core axis, weak - moderate potassic alteration. Minor veinlets at 68 degrees to the core axis.

Sample	From (m)	To (m)	Lngt (m)	SUL (%)	CU (%)	AU g/t	AURE g/t	AUAV g/t
4163	144.5	146.0	1.5	.4		.00		.00
4164	146.0	147.5	1.5	.3		.00		.00
4165	147.5	149.0	1.5	.4		.00		.00
4166	158.0	159.5	1.5	.4		.01		.01
4167	159.5	159.9	.4	2.0		.39		.39
4168	159.9	160.4	.5	.3		.01		.01
4169	166.0	166.8	.8	.2		.00		.00
4170	166.8	167.3	.5	.5		.00		.00
4171	167.3	168.3	1.0	.3		.01		.01
4172	176.0	177.4	1.4	.3		.00		.00
4173	177.4	179.0	1.6	.3		.01		.01
4174	179.0	180.0	1.0	.3		.00		.00
4175	180.0	181.0	1.0	.5		.00		.00
4176	181.0	182.0	1.0	.4		.01		.01
4177	182.0	183.0	1.0	.4		.01		.01
4178	188.0	189.0	1.0	.3		.01		.01
4179	189.0	190.0	1.0	.2		.01		.01
4180	197.0	197.5	.5	.3		.01		.01
4181	197.5	198.5	1.0	.4		.01		.01
4182	202.0	203.0	1.0	.2		.01		.01
4183	203.0	204.0	1.0	.3		.01		.01
4184	213.0	214.1	1.1	.5		.00		.00

From (m)	To (m)	Rock Type	Geology	Sample	From (m)	To (m)	Lngt (m)	SUL (%)	CU (%)	AU g/t	AURE g/t	AUAV g/t
214.1	242.6		MODERATELY ALTERED QUARTZ FELDSPAR PORPHYRY	4185	221.5	222.2	.7	.2		.00		.00
				4186	222.2	223.2	1.0	.7		.00		.00
			LITHOLOGY: a light green coloured QFP, as at 54-155.6 meters.	4187	223.2	224.0	.8	.7		.01		.01
				4188	224.0	225.0	1.0	.8		.02		.02
			Local quartz Flooding, minor quartz-carbonate veins.	4189	225.0	226.0	1.0	.6		.02		.02
				4190	226.0	226.7	.7	.6		.01		.01
			ALTERATION: moderate sericitic development. Minor potassic alteration associated with fractures, moderately silicified adjacent to local veining.	4191	226.7	228.0	1.3	.7		.02		.02
			- minor ankerite.	4192	228.0	228.7	.7	.6		.01		.01
				4193	228.7	229.7	1.0	.6		.03		.03
			SULPHIDES: trace - 1.0% disseminated and locally fracture filling pyrite. Minor chalcopyrite, pyrrhotite.	4194	229.7	230.7	1.0	.5		.01		.01
				4195	230.7	231.7	1.0	.4		.01		.01
				4196	231.7	232.4	.7	.5		.07		.07
			STRUCTURE: RQD=90, occasional fractures oriented at 50-60 degrees to the core axis.	4197	232.4	233.0	.6	.3		.01		.01
				4198	233.0	234.0	1.0	.1		.04		.04
				4199	234.0	234.5	.5	.4		.00		.00
				4200	234.5	235.3	.8	.3		.00		.00
			234.0 234.5 One 12 cm QUARTZ VEIN, minor adjacent sericite.	4201	238.0	239.0	1.0	.8		.13		.13
			238.0 239.0 Local chalcopyrite.	4202	239.0	240.0	1.0	.5		.00		.00
				4203	240.0	241.0	1.0	.3		.00		.00
				4204	241.0	242.0	1.0	.4		.00		.00
242.6	332.0		MODERATELY ALTERED QUARTZ FELDSPAR PORPHYRY	4205	257.0	258.0	1.0	.3		.00		.00
				4206	258.0	259.0	1.0	.8		.01		.01
			- Another light red coloured, moderately hard QFP interval, as intersected uphole atm=155.6-214.1.	4207	259.0	260.0	1.0	.6		.01		.01
				4208	260.0	261.0	1.0	.7		.02		.02
				4209	261.0	262.0	1.0	.6		.00		.00
			Local siliceous Flooding. Minor quartz-calcite stringers and veinlets.	4210	262.0	263.7	1.7	.5		.00		.00
				4211	263.7	265.2	1.5	1.0		.01		.01
			ALTERATION: weakly to locally moderately sericitic, pervasive weak - moderate potassic alteration. Minor silicification adjacent to the veining.	4212	265.2	266.0	.8	1.0		.01		.01
				4213	266.0	267.5	1.5	.5		.00		.00
			- sporadic ankeritic alteration.	4214	267.5	269.0	1.5	.5		.00		.00
				4215	269.0	270.0	1.0	tr		.00		.00
			SULPHIDES: trace - 1.0% fine grained to medium grained, disseminated and fracture filling, pyrite. Minor chalcopyrite and pyrrhotite.	4216	270.0	271.0	1.0	tr		.01		.01
				4217	271.0	272.0	1.0	.5		.00		.00
				4218	283.0	284.0	1.0	.5		.00		.00
			STRUCTURE: occasional fractures, oriented at 10-50 degrees to the core axis.	4219	284.0	285.0	1.0	.5		.01		.01
				4220	285.0	286.1	1.1	1.0		.03	.04	.04
				4221	299.0	300.0	1.0	.5		.01		.01
			Sample Descriptions: .	4222	300.0	301.1	1.1	.5		.00		.00
				4223	301.1	302.0	.9	.5		.02	.02	.02
			257.0 258.0 0.3% fine grained disseminated pyrite associated with fractures. Weak - moderate potassic alteration, minor sericite.	4224	302.0	303.0	1.0	.5		.01		.01
				4225	303.0	304.0	1.0	.5		.01		.01

From (m)	To (m)	Rock Type	Geology	Sample	From (m)	To (m)	Lngt (m)	SUL (%)	CU (%)	AU g/t	AURE g/t	AUAV g/t
			258.0 259.0 0.5-0.8% fine grained disseminated pyrite to 269. Moderate potassic alteration, minor sericite. Weakly magnetic.	4226	304.0	305.0	1.0	.5		.02		.02
			259.0 260.0 Very minor fuchsite identified.	4227	305.0	306.5	1.5	.5		.01		.01
			269.0 270.0 Strong potassic alteration emanating from fractures, minor disseminated pyrite.	4228	312.8	313.5	.7	.5		.02		.02
			270.0 271.0 Trace fine grained disseminated pyrite. Moderate potassic alteration associated with fractures at 45 degrees to the core axis.	4229	313.5	314.5	1.0	.5		.00		.00
				4230	314.5	315.5	1.0	.5		.02		.02
				4231	315.5	316.0	.5	.5		.01		.01
				4232	316.0	317.1	1.1	.5		.01		.01
				4233	317.1	317.6	.5	.5		.02		.02
				4234	320.5	321.5	1.0	.5		.02		.02
			At 276 meters, one 22 cm wide, dark grey, fine grained, mafic dyke cuts the unit at 70 dtca.									
			283.0 284.0 0.5-1% fine grained disseminated pyrite, moderate potassic alteration associated with fractures to 301. Fractures oriented at various angles to the core axis. Minor quartz-calcite stringers.									
			At 301 meters, interval now loses potassic alteration and gains sericite, becoming much lighter in colour.									
			301.1 302.0 0.5% fine grained disseminated, fracture filling pyrite and minor sericite to 306.5. Minor QUARTZ VEINs at 45 degrees to the core axis.									
			At 312.5-325 meters, possible Fault Zone: moderately fractured.									
			312.8 313.5 Light coloured, sericite rich interval. 0.5% fine grained disseminated pyrite.									
			313.5 314.5 0.5% fine grained disseminated pyrite, moderately sericitic. Trace, fine, molybdenite to 321.5. Strongly fractured.									
332.0	368.0		ALTERED QUARTZ FELDSPAR PORPHYRY	4235	339.0	340.0	1.0	.0		.02		.02
				4236	344.1	345.2	1.1	.5		.00		.00
			A strongly fractured interval of light green, moderately hard, QFP intrusive material. Possible Fault Zone.	4240	346.0	347.1	1.1	1.0		.01		.01
				4241	352.3	353.3	1.0	1.0		.00		.00
				4242	356.7	358.0	1.3	1.0		.01		.01
				4243	358.0	359.3	1.3	1.0		.01		.01
			Possibly relates to the I.P. Feature - resistivity low.									
			ALTERATION: weak to moderately sericitic, minor ankerite.									

From (m)	To (m)	Rock Type	Geology	Sample	From (m)	To (m)	Lngt (m)	SUL (%)	CU (%)	AU g/t	AURE g/t	AUAV g/t
			SULPHIDES: trace to 1.0% pyrite, minor chalcopyrite. STRUCTURE: predominantly Rubble; RQD of 0. Fractures oriented at various angles to the core axis. 339.0 340.0 Trace pyrite, minor veining, weak sericitic alteration, highly fractured. 356.7 358.0 1.0% fine grained pyrite associated with numerous fractures, trace chalcopyrite. Weak to moderate sericitic alteration, very minor potassic alteration. At 368 meters, END of the HOLE. CASING PULLED. 101 Samples submitted Swastika Labs Ltd.									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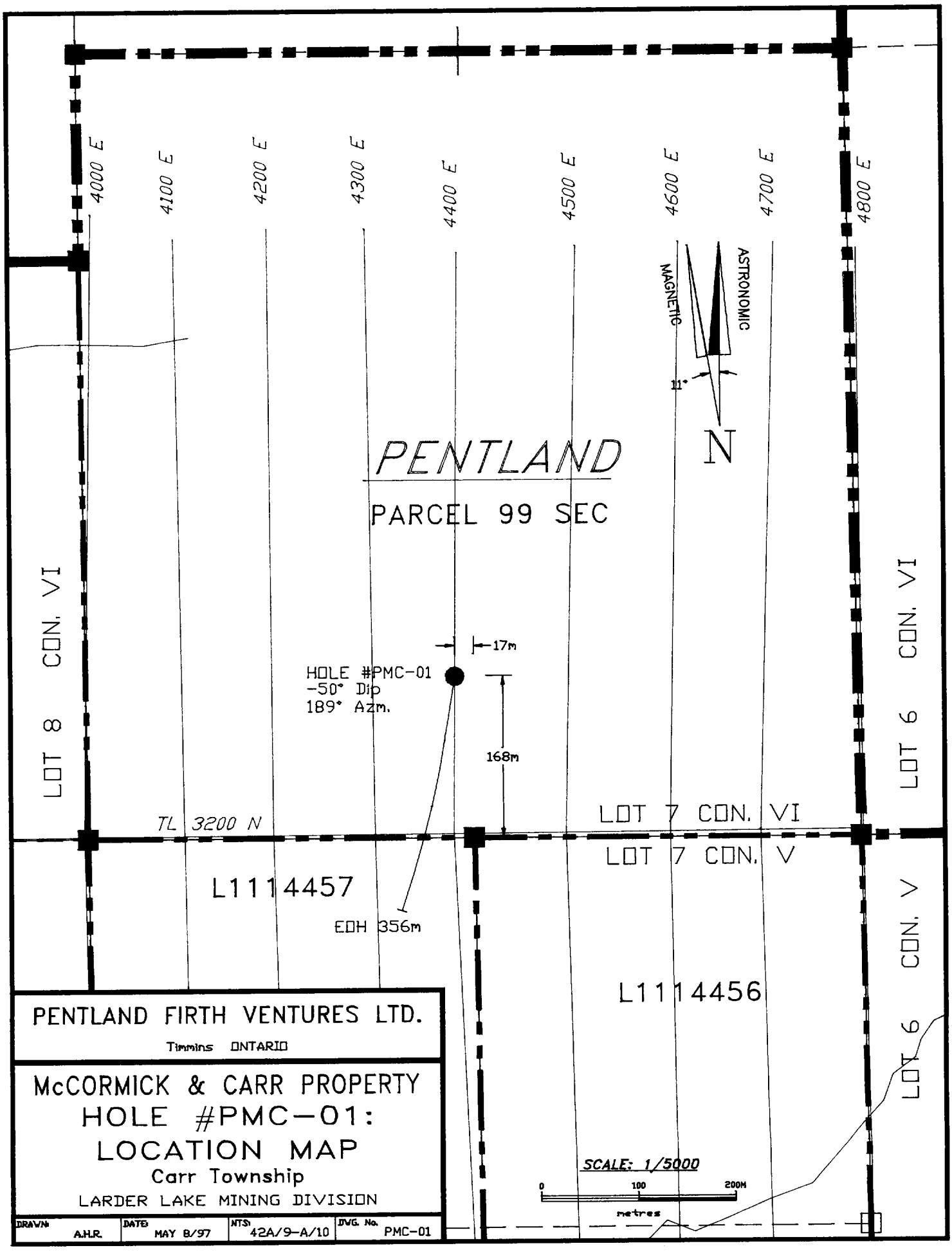
368 m
1200N
1400N
1600N
4300E
PMC-06
N½ CON II
S½ CON II
L-1116014
SECTION:
0
PMC-06 (4300 E, 1475 N)
180° AZM
-45°
OVERBURDEN
LOOKING WEST
SIGNIFICANT Au VALUES
- NO
QUARTZ-FELDSPAR PORPHYRY (ALTERED)
FAULT ZONE
368.00 m. PMC-06
-200
LOT 7, N½ CON II
LOT 7, S½ CON II
L-1116014
PARCEL 14694 SEC
SCALE:
0 50m
PENTLAND FIRTH VENTURES LTD.
CARR PROJECT: Hole # PMC-06
SECTION 4300E
Larder Lake Mining Division
CARR TOWNSHIP
DATE: 97/05/14
SCALE: 1/2500



PENTLAND FIRTH VENTURES LTD.

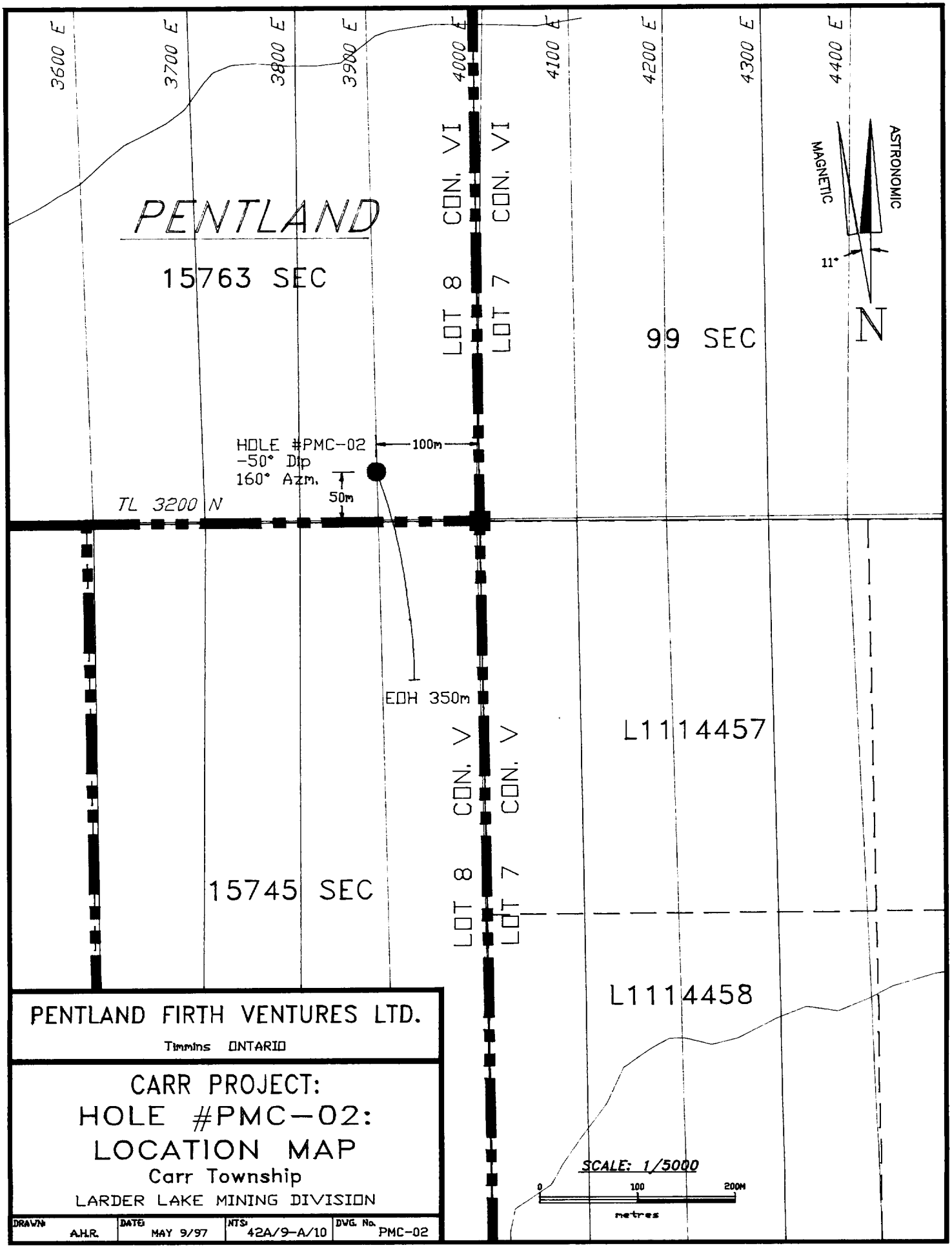
Timmins ONTARIO

McCORMICK & CARR PROPERTY
HOLE #PMC-01:
LOCATION MAP

Carr Township

LARDER LAKE MINING DIVISION

DRAWN:	DATE:	NTS:	DWG. No.
A.H.R.	MAY 8/97	42A/9-A/10	PMC-01



PENTLAND FIRTH VENTURES LTD.

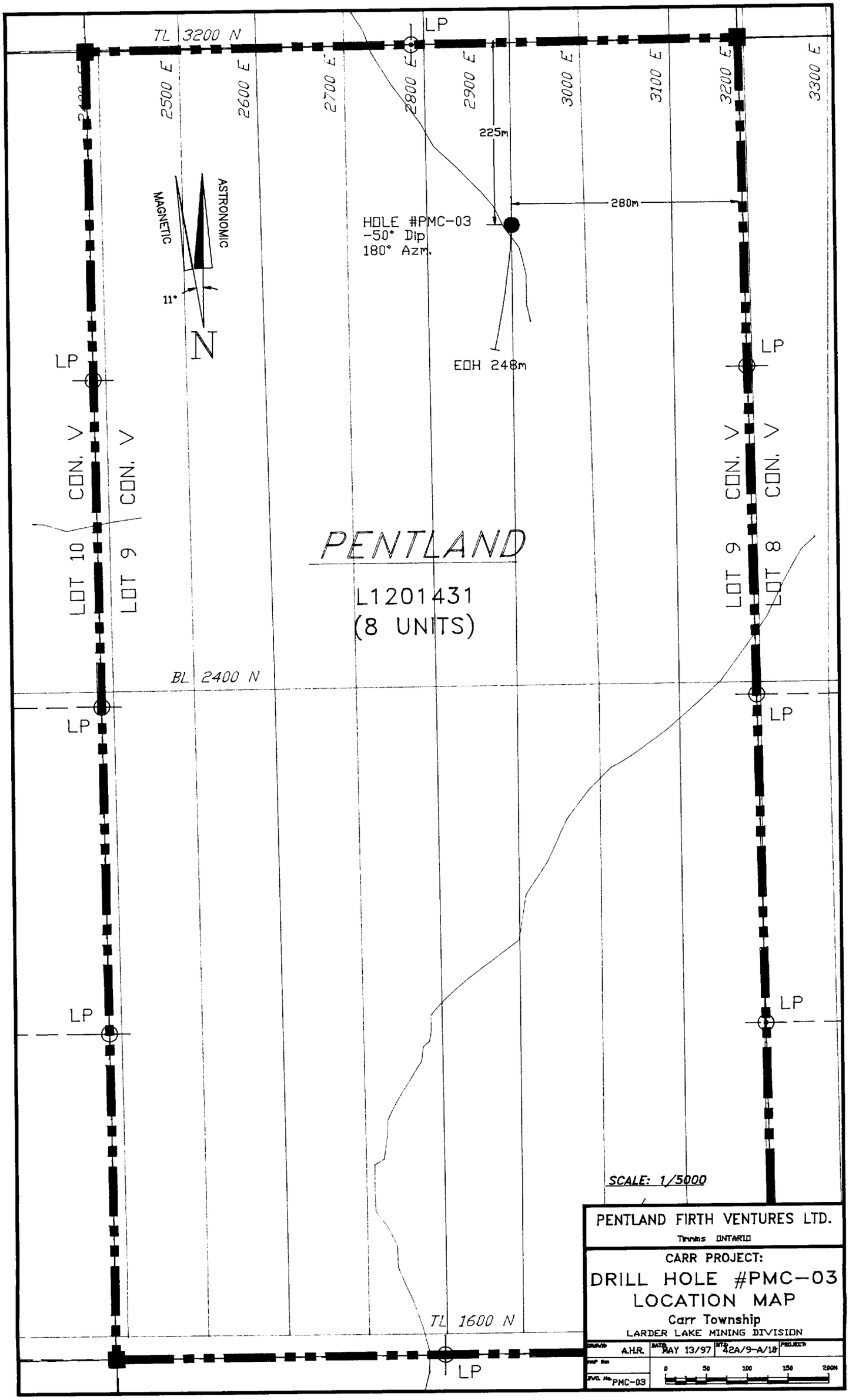
Timmins ONTARIO

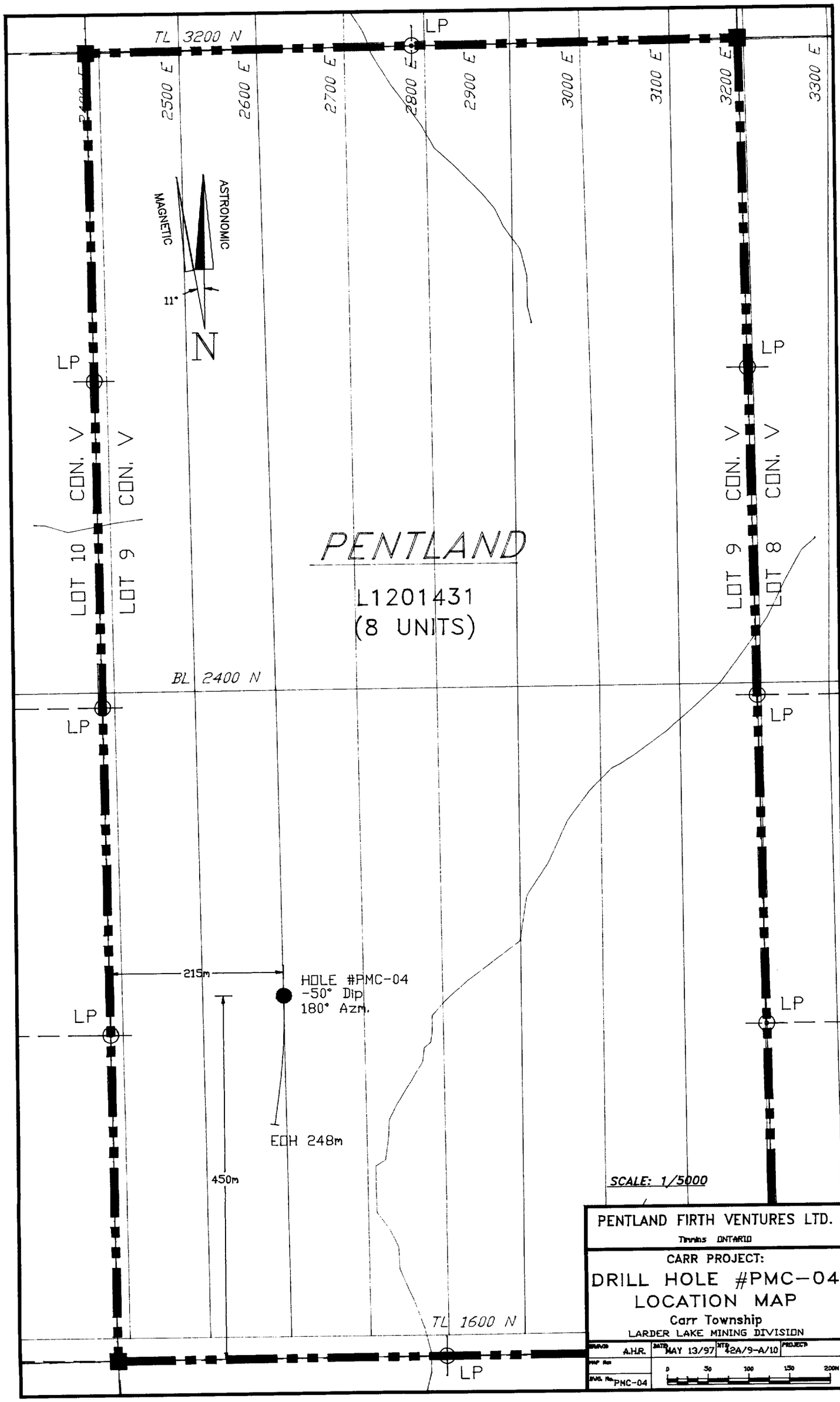
CARR PROJECT: HOLE #PMC-02: LOCATION MAP

Carr Township

LARDER LAKE MINING DIVISION

DRAWN	DATE	NTS	DWG. No.
A.H.R.	MAY 9/97	42A/9-A/10	PMC-02


TL 3200 N
LP
2500 E
2600 E
2700 E
2800 E
2900 E
3000 E
3100 E
3200 E
3300 E
225m
280m
HOLE #PMC-03
-50° Dip
180° Azm.
MAGNETIC
ASTRONOMIC
11°
N
EOH 248m
LP
LP
CON. V
CON. V
LOT 10
LOT 9
LOT 9
LOT 8
PENTLAND
L1201431
(8 UNITS)
BL 2400 N
LP
LP
LP
LP
LP
SCALE: 1/5000
TL 1600 N
LP
PENTLAND FIRTH VENTURES LTD.
Timmins ONTARIO
CARR PROJECT:
DRILL HOLE #PMC-03
LOCATION MAP
Carr Township
LARDER LAKE MINING DIVISION
DRAWN A.H.R.
DATE MAY 13/97
NTS 42A/9-A/10
PROJECT
DWG. No. PMC-03
0 50 100 150 200M


TL 3200 N
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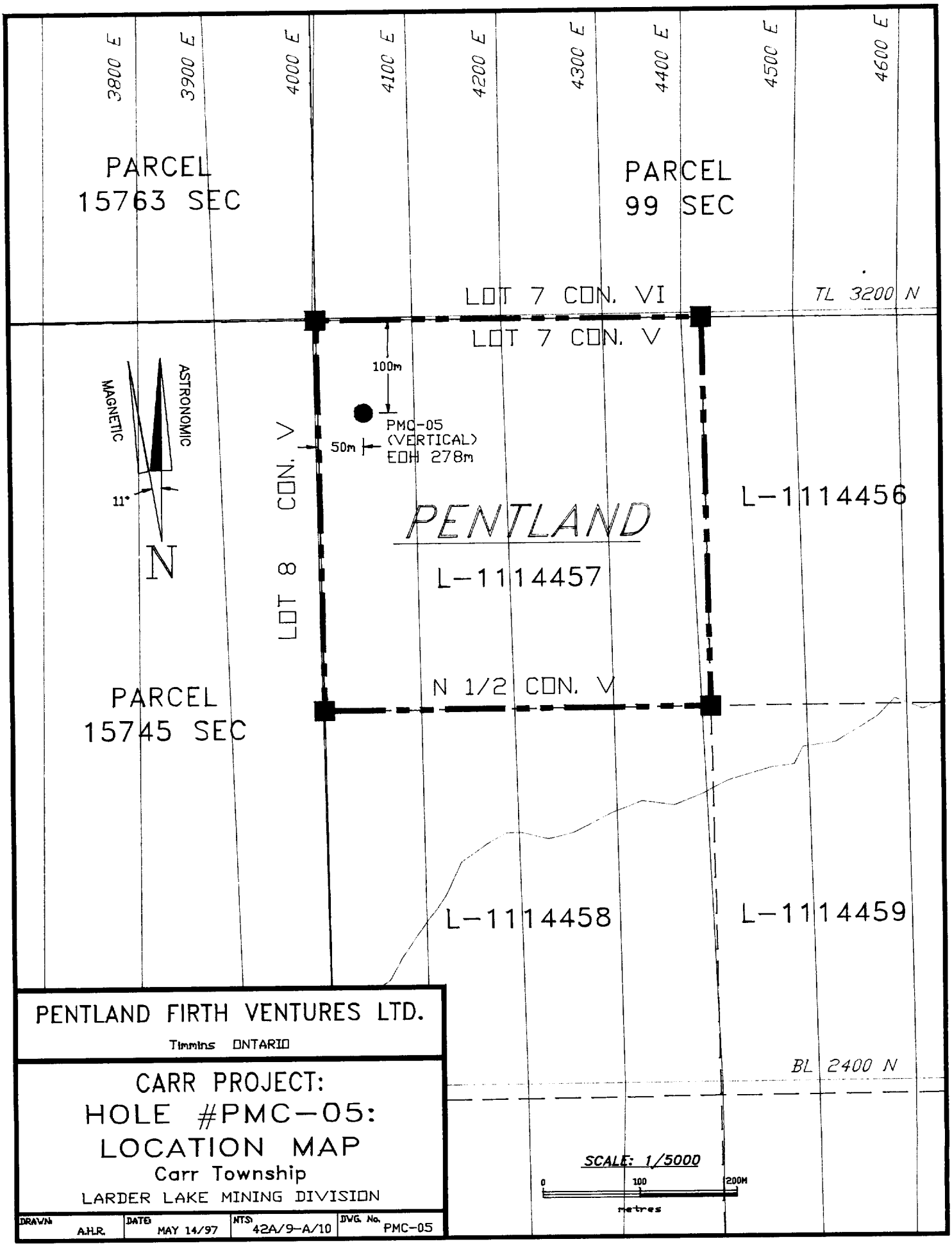
2600 E
2700 E
2800 E
2900 E
3000 E
3100 E
3200 E
3300 E
MAGNETIC
ASTRONOMIC
11°
N
LP
LP
CON. V
CON. V
LOT 10
LOT 9
PENTLAND
L1201431
(8 UNITS)
LOT 9
LOT 8
CON. V
CON. V
BL 2400 N
LP
LP
215m
HOLE #PMC-04
-50° Dip
180° Azm.
LP
LP
EOH 248m
450m
SCALE: 1/5000
TL 1600 N
LP
PENTLAND FIRTH VENTURES LTD.
Timmins ONTARIO
CARR PROJECT:
DRILL HOLE #PMC-04
LOCATION MAP
Carr Township
LARDER LAKE MINING DIVISION
DRAWN A.H.R.
DATE MAY 13/97
NTS 42A/9-A/10
PROJECT
MAP No.
DWG No. PMC-04
0 50 100 150 200M



PENTLAND FIRTH VENTURES LTD.

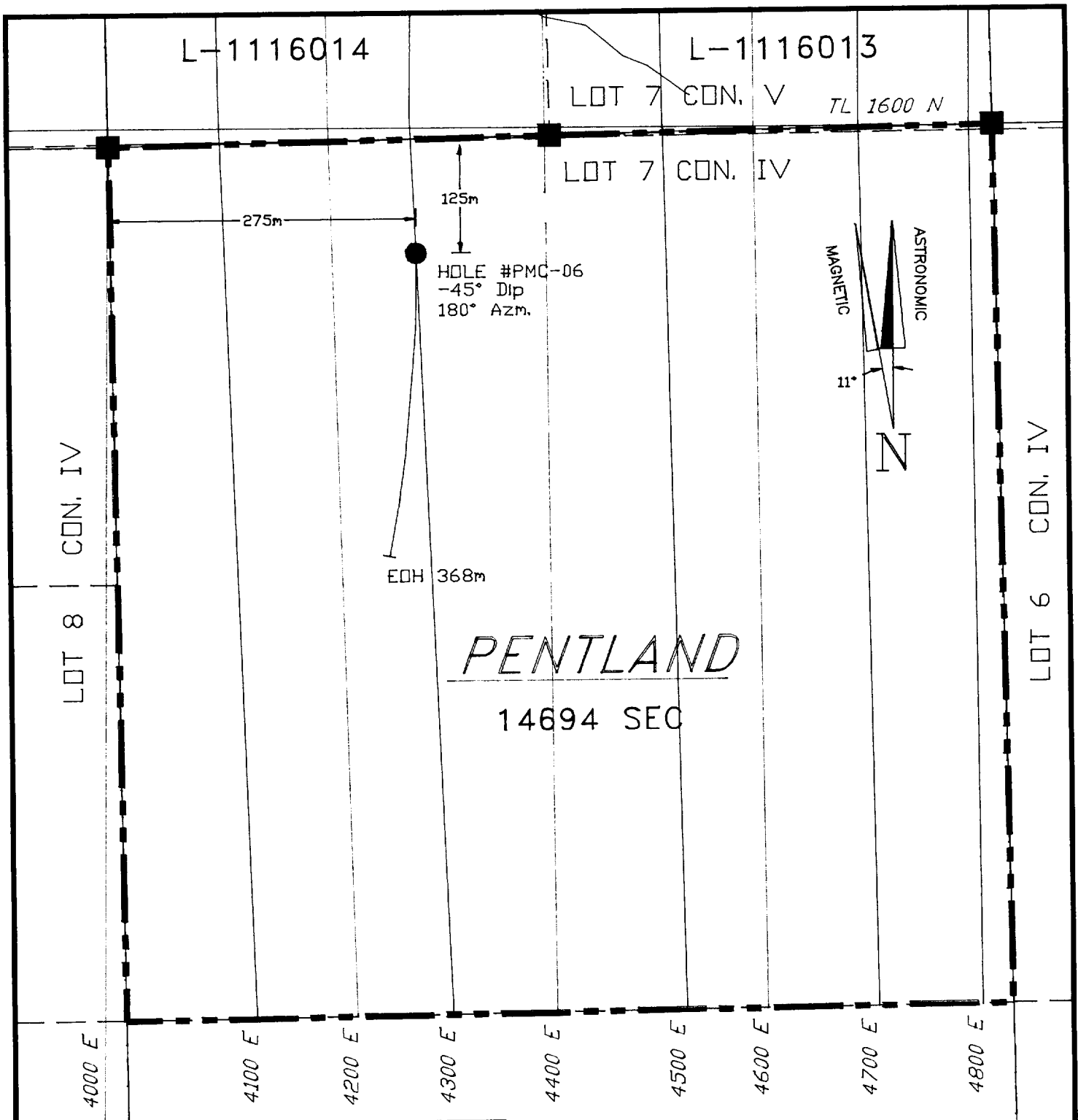
Timmins ONTARIO

CARR PROJECT:
HOLE #PMC-05:
LOCATION MAP

Carr Township

LARDER LAKE MINING DIVISION

DRAWN	DATE	NTS	DWG. No.
A.H.R.	MAY 14/97	42A/9-A/10	PMC-05



PENTLAND FIRTH VENTURES LTD.

Timmins ONTARIO

CARR PROJECT:
HOLE #PMC-06:
LOCATION MAP

Carr Township

LARDER LAKE MINING DIVISION

DRAWN:	DATE:	NTS:	DWG. No.
A.H.R.	MAY 14/97	42A/9-A/10	PMC-06

SCALE: 1/5000

0 100 200M

metres

Ontario Ministry of Northern Development and Mines

Declaration of Assessment Work Performed on Mining Land

Mining Act, Subsection 65(2) and 66(3), R.S.O. 1990

Transaction Number (office use)
W9780.00489
Assessment Files Research Imaging

Personal information collec
Mining Act, the information
Questions about this colle
933 Ramsey Lake Road, S

42A09SW0170 2.17369 CARR

900

of the Mining Act. Under section 8 of the
nd correspond with the mining land holder.
ern Development and Mines, 6th Floor,

Instructions: - For work performed on Crown Lands before **recording** a claim, use form 0240.
- Please type or print in ink.

2.17369

1. Recorded holder(s) (Attach a list if necessary)

Name: Pentland Firth Ventures Ltd.	Client Number: 300694
Address: Box 1690, South Porcupine, Ont. P0N 1H0	Telephone Number: 705-235-2311
	Fax Number: 705-235-2433
Name	Client Number
Address	Telephone Number
	Fax Number

2. Type of work performed: Check (✓) and report on only ONE of the following groups for this declaration.

☐ Geotechnical: prospecting, surveys, assays and work under section 18 (regs) ☒ Physical: drilling, stripping, trenching and associated assays ☐ Rehabilitation

		Office Use
Work Type: Diamond Drilling		Commodity
		Total $ Value of Work Claimed: 95,985
Dates Work Performed: From 23 (Day) 05 (Month) 1995 (Year) To 27 (Day) 06 (Month) 1995 (Year)		NTS Reference
Global Positioning System Data (if available)	Township/Area: Carr	Mining Division: Larder Lake
	M or G-Plan Number: G-3613	Resident Geologist District: K. Lake

Please remember to: - obtain a work permit from the Ministry of Natural Resources as required;
- provide proper notice to surface rights holders before starting work;
- complete and attach a Statement of Costs, form 0212;
- provide a map showing contiguous mining lands that are linked for assigning work;
- include two copies of your technical report.

3. Person or companies who prepared the technical report (Attach a list if necessary)

Name: Norex Drilling Ltd.	Telephone Number: 705-235-2222
Address: Box 88, Porcupine Ont. P0N 1C0	Fax Number: 705-235-2806
Name	Telephone Number
Address	Fax Number
Name	Telephone Number
Address	Fax Number

RECEIVED
MAY 23 1997
MINING LANDS BRANCH

4. Certification by Recorded Holder or Agent

I, Ken Tylee (Print Name), do hereby certify that I have personal knowledge of the facts set forth in this Declaration of Assessment Work having caused the work to be performed or witnessed the same during or after its completion and, to the best of my knowledge, the annexed report is true.

Signature of Recorded Holder or Agent: KT			Date: 16/5/97
Agent's Address: Box 1690 South Porcupine, Ont	Telephone Number: 705-235-2311	Fax Number: 705-235-2433	

5. Work to be recorded and distributed. Work can only be assigned to claims that are contiguous (adjoining) to the mining land where work was performed, at the time work was performed. A map showing the contiguous link must accompany this form.

Mining Claim Number. Or if work was done on other eligible mining land, show in this column the location number indicated on the claim map.		Number of Claim Units. For other mining land, list hectares.	Value of work performed on this claim or other mining land.	Value of work applied to this claim.	Value of work assigned to other mining claims.	Bank. Value of work to be distributed at a future date.
eg	TB 7827	16 ha	$26, 825	N/A	$24,000	$2,825
eg	1234567	12	0	$24,000	0	0
eg	1234568	2	$ 8, 892	$ 4,000	0	$4,892
1	99 SEC	64.8 ha	$11323	-0-	$11323	-0-
2	L1114457	1	$ 7168	$1600	-0-	$5568
3	15763 SEC	48.5 ha	$ 4415	-0-	$ 4415	-0-
4	15745 SEC	32.4 ha	$28203	-0-	$ 4262	$23941
5	L1201431	8	$25762	$1600	-0-	$24162
6	14694 SEC	65 ha	$19114	-0-	-0-	$19114
7	L1114456	1	-0-	$1600	-0-	-0-
8	L1114458	1	-0-	$1600	-0-	-0-
9	L1114459	1	-0-	$1600	-0-	-0-
10	L1116013	1	-0-	$1600	-0-	-0-
11	L1116014	1	-0-	$1600	-0-	-0-
12	L1116015	1	-0-	$1600	-0-	-0-
13	L1116016	1	-0-	$1600	-0-	-0-
14	L1201338	2	-0-	$2400	-0-	-0-
15	L1193794	4	-0-	$6400	-0-	-0-
		Column Totals	$95985	$23200	$20000	$72785

I, Ken Tylee (Print Full Name), do hereby certify that the above work credits are eligible under subsection 7 (1) of the Assessment Work Regulation 6/96 for assignment to contiguous claims or for application to the claim where the work was done.

Signature of Recorded Holder or Agent Authorized in Writing: KD Date: 16/5/97

RECEIVED
MAY 23 1997
MINING LANDS BRANCH

6. Instructions for cutting back credits that are not approved.

Some of the credits claimed in this declaration may be cut back. Please check (✓) in the boxes below to show how you wish to prioritize the deletion of credits:

- ☑ 1. Credits are to be cut back from the Bank first, followed by option 2 or 3 or 4 as indicated.
- ☐ 2. Credits are to be cut back starting with the claims listed last, working backwards; or
- ☑ 3. Credits are to be cut back equally over all claims listed in this declaration; or
- ☐ 4. Credits are to be cut back as prioritized on the attached appendix or as follows (describe):

Note: If you have not indicated how your credits are to be deleted, credits will be cut back from the Bank first, followed by option number 2 if necessary.

For Office Use Only

Received Stamp: RECEIVED LARDER LAKE MINING DIVISION MAY. 20 1997 11:01 am

Deemed Approved Date: Aug 18/97 | Date Notification Sent:

Date Approved: | Total Value:

Approved for Recording by Mining Recorder (Signature):

Ministry of Northern Development and Mines

Ontario

Ministère du Développement du Nord et des mines

Statement of Costs for Assessment Credit

État des coûts aux fins du crédit d'évaluation

Transaction No./N° de transaction: W9780.00489

Mining Act/Loi sur les mines 2.17369

1. Direct Costs/Coûts directs

Type	Description	Amount Montant	Totals Total global
Wages Salaires	Labour Main-d'oeuvre	$2931	
	Field Supervision Supervision sur le terrain	$7250	$10181
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert-conseil	Type: Diamond Drilling	$76218	
	Assay Samples	$7347	
			$83565
Supplies Used Fournitures utilisées	Type		
Equipment Rental Location de matériel	Type: ATV	$920	
	Total Direct Costs Total des coûts directs		$94666

2. Indirect Costs/Coûts indirects

** **Note:** When claiming Rehabilitation work Indirect costs are not allowable as assessment work.
Pour le remboursement des travaux de réhabilitation, les coûts indirects ne sont pas admissibles en tant que travaux d'évaluation.

Type	Description	Amount Montant	Totals Total global
Transportation Transport	Type: Truck Lease	$570	
	Gasoline	$726	
Food and Lodging Nourriture et hébergement		$23	
Mobilization and Demobilization Mobilisation et démobilisation			
	Sub Total of Indirect Costs Total partiel des coûts indirects		$1319
	Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excédant pas 20 % des coûts directs)		$1319
	Total Value of Assessment Credit (Total of Direct and Allowable Indirect costs) / Valeur totale du crédit d'évaluation (Total des coûts directs et indirects admissibles)		$95985

Note: The recorded holder will be required to verify expenditures claimed in this statement of costs within 30 days of a request for verification. If verification is not made, the Minister may reject for assessment work all or part of the assessment work submitted.

Note : Le titulaire enregistré sera tenu de vérifier les dépenses demandées dans le présent état des coûts dans les 30 jours suivant une demande à cet effet. Si la vérification n'est pas effectuée, le ministre peut rejeter tout ou une partie des travaux d'évaluation présentés.

RECEIVED
MAY 23 1997
MINING LANDS BRANCH

Filing Discounts

1. Work filed within two years of completion is claimed at 100% of the above Total Value of Assessment Credit.

2. Work filed three, four or five years after completion is claimed at 50% of the above Total Value of Assessment Credit. See calculations below:

Total Value of Assessment Credit	Total Assessment Claimed
× 0.50 =	

Remises pour dépôt

1. Les travaux déposés dans les deux ans suivant leur achèvement sont remboursés à 100 % de la valeur totale susmentionnée du crédit d'évaluation.

2. Les travaux déposés trois, quatre ou cinq ans après leur achèvement sont remboursés à 50 % de la valeur totale du crédit d'évaluation susmentionné. Voir les calculs ci-dessous.

Valeur totale du crédit d'évaluation	Évaluation totale demandée
× 0,50 =	

Certification Verifying Statement of Costs

I hereby certify:
That the amounts shown are as accurate as possible and these costs were incurred while conducting assessment work on the lands shown on the accompanying Report of Work form.

That as Recorded Agent (Recorded Holder, Agent, Position in Company) I am authorized to make this certification

Attestation de l'état des coûts

J'atteste par la présente :
que les montants indiqués sont le plus exact possible et que ces dépenses ont été engagées pour effectuer les travaux d'évaluation sur les terrains indiqués dans la formule de rapport de travail ci-

Et qu'à titre de _____ (titulaire enregistré, représentant, poste occupé dans la co) je s

à faire cette attestation.

Signature _____ Date M

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines

Ontario

Geoscience Assessment Office
933 Ramsey Lake Road
6th Floor
Sudbury, Ontario
P3E 6B5

Telephone: (705) 670-5853
Fax: (705) 670-5863

July 23, 1997

Roy Spooner
Mining Recorder
4 Government Road East
Kirkland Lake, ON
P2N 1A2

Dear Sir or Madam:

Submission Number: 2.17369

Subject: Transaction Number(s):		**Status**
	W9780.00489	Deemed Approval

We have reviewed your Assessment Work submission with the above noted Transaction Number(s). The attached summary page(s) indicate the results of the review. WE RECOMMEND YOU READ THIS SUMMARY FOR THE DETAILS PERTAINING TO YOUR ASSESSMENT WORK.

If the status for a transaction is a 45 Day Notice, the summary will outline the reasons for the notice, and any steps you can take to remedy deficiencies. The 90-day deemed approval provision, subsection 6(7) of the Assessment Work Regulation, will no longer be in effect for assessment work which has received a 45 Day Notice.

Please note any revisions must be submitted in DUPLICATE to the Geoscience Assessment Office, by the response date on the summary.

NOTE: This correspondence may affect the status of your mining lands. Please contact the Mining Recorder to determine the available options and the status of your claims.

If you have any questions regarding this correspondence, please contact Lucille Jerome by e-mail at jerome_l@torv05.ndm.gov.on.ca or by telephone at (705) 670-5858.

Yours sincerely,

ORIGINAL SIGNED BY
Blair Kite
Supervisor, Geoscience Assessment Office
Mining Lands Section

Correspondence ID: 11101

Copy for: Assessment Library

Work Report Assessment Results

Submission Number: 2.17369

Date Correspondence Sent: July 23, 1997 **Assessor:** Lucille Jerome

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W9780.00489	1114457	CARR	Deemed Approval	July 22, 1997

Section:
10 Physical PDRILL

Correspondence to:

Mining Recorder
Kirkland Lake, ON

Resident Geologist
Kirkland Lake, ON

Assessment Files Library
Sudbury, ON

Recorded Holder(s) and/or Agent(s):

Ken Tylee
PENTLAND FIRTH VENTURES LTD.
PORCUPINE, ONTARIO

Correspondence ID: 11101

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
" , SURFACE RIGHTS ONLY	◒
" , MINING RIGHTS ONLY	◒
LEASE SURFACE & MINING RIGHTS	■
" , SURFACE RIGHTS ONLY	◪
" , MINING RIGHTS ONLY	◪
LICENCE OF OCCUPATION	▼
ORDER-IN-COUNCIL	OC
RESERVATION	Ⓡ
CANCELLED	⊗
SAND & GRAVEL	Ⓖ

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6, 1913, VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 380, SEC. 63, SUBSEC 1.

AREAS WITHDRAWN FROM DISPOSITION

M.R.O. MINING RIGHTS ONLY

S.R.O. SURFACE RIGHTS ONLY

Description

SURFACE RIGHTS WITHDRAWN UNDER SEC. 36, THE MINING ACT R.S.O. 1980, ORDER NO. W-911911ONT (TRANS CANADA PIPELINE RIGHT OF WAY AND BUFFER ZONE PARTICULARLY 40.25 METERS OR 132 FT. ON EITHER SIDE OF CENTRE LINE OF RIGHT OF WAY)

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES, AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES, FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.

NOTICE OF FORESTRY ACTIVITY

THIS TOWNSHIP/AREA FALLS WITHIN THE ____ WATABEAG MANAGEMENT UNIT

AND MAY BE SUBJECT TO FORESTRY OPERATIONS

THE MNR UNIT FORESTER FOR THIS AREA CAN BE CONTACTED AT: P.O.BOX 129
SWASTIKA, ONT.
P0K 1T0
705-642-3222

WILKIE TWP.

TAYLOR TWP.

BEATTY TWP.

BOWMAN TWP.

MATHESON

ABITIBI - DE TROYES PROVINCIAL PARK

1193794

Lloyd Lake

Lady Maude Lake

Black River

Watabeag River

Jean L.

Ref. 64358

BALLAST

FIT

T&NO RAILWAY

HWY 11

2.17369 PDR124

1201336 1201337 1201338 1201432 1201431 1204657 1217633 1217634 1189529 1211827 1211824 1211822 1211821 1211823 1211761 1211571 1211768 1191533 1206581 207346

682444 682443 682433 682434 682430 682427 584124 584123 682436 682435 682429 682428 584125 584122 682437 682438 714798 714797 568723 568722 586130 586125 577708 568927 568928 568929 577709 568926 568713 568712 714796 714795 714794 714793 1114457 1114456 1114458 1114459 1116015 1116016 1116014 1116013 787130 1211826 1188183 1186173 979580 979579 1151437 1151735 981451 981450 1151436 1151435 27159 27158 27157 CL7776 CL 939 CL 938

I II III IV V VI

12 11 10 9 8 7 6 5 4 3 2 1

LEGEND

- HIGHWAY AND [illegible]
- OTHER ROADS
- TRAILS
- SURVEYED LINES
  - TOWNSHIPS, BASE LINES, ETC.
  - LOTS, MINING CLAIMS, PARCELS, ETC.
- UNSURVEYED LINES
  - LOT LINES
  - PARCEL BOUNDARY
  - MINING CLAIMS ETC.
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON-PERENNIAL STREAM
- FLOODING OR FLOODING RIGHTS
- SUBDIVISION OR COMPOSITE PLAN
- RESERVATIONS
- ORIGINAL SHORELINE
- MARSH OR MUSKEG
- MINES
- TRAVERSE MONUMENT

NOTES

400' surface rights reservation along the shores of all lakes and rivers.

L.O. 8672 for flooding rights along the shores of Black and Watabeag rivers.

SCALE: 1 INCH = 40 CHAINS

FEET 0 1000 2000 4000 6000 8000

METRES 0 200 1000 (1 KM) 2000 (2 KM)

ACRES	HECTARES
40	16

2.17369

TOWNSHIP OF CARR

DISTRICT

COCHRANE

MINING DIVISION

LARDER LAKE

Ministry of Northern Development and Mines

Date	Plan No.
NOVEMBER '86	G-3613

42A06WD170.2.17369.CARR

CIRCULATED JANUARY 26, 1995 ML