

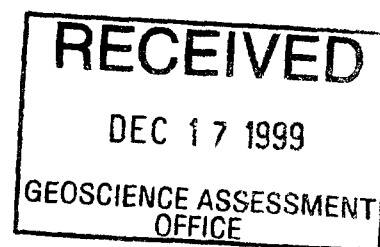


42C08SW2012 2.19753 JACOBSON

010

# DRILL LOGS

## 1998 - 1999



2.19753

Hole number: 99-1  
 Location: 14+323W, 0+407N  
 Azimuth: 180  
 Dip: -45  
 Depth: 18 meters  
 Date of drilling: 09/06/99  
 Logged by: P.C. Delisle

Claim number: 1218068  
 Core size: NQ  
 Core stored at: Sno'd Inn, Lochalsh  
 Drill contractor: Chibougamau Drilling  
 Logging date: 10/06/99

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*Paul-Claude Delisle*

from	to	description	sample number	from	to	width	gold assay
0.00	3.10	<b>QFP</b> * saussuritized * several fractures at 45 LCA * traces f.g. Py					
3.10	7.95	<b>Carbonatized/sheared mafic volcanic rocks</b> * moderately chloritized * weakly sericitized * shearing at 45 LCA * traces of sulfide  4.15 - 4.25: several faults at 45 LCA 4.25 - 5.35: sericitized zone. 5-10% contorted, medium grey Qtz veinlets. < 1% f.g. Py 5.35 - 5.48: white qtz vein 6.51 - 6.56: white qtz vein at 45 LCA 7.14 - 7.95: about 1-2% clots of Po 7.95: sharp contact at 80 LCA					
7.95	8.85	<b>Fractured, silicified and albitized QP</b> * several translucent light grey qtz veinlets in all directions * fractures filled with Po, Py. Overall <1% sulfide  7.95 - 8.01: dark grey qtz vein. 3% Po, Sph in stringers at 70/75 LCA 8.01: sharp, irregular contact	756401	7.95	8.85	0.90	0.72

from	to	description	sample number	from	to	width	gold assay
8.85	9.75	<b>Quartz breccia (North Zone)</b> * sericitized fragments folded in light grey quartz. * banded semi massive sulfide stringers (Po, Py, Sph, Cp) at 60 LCA. Overall 10% sulfide.  9.75: sharp contact at 50 LCA.	756402	8.85	9.75	0.90	1.64
9.75	15.60	<b>Carbonatized and sericitized mafic volcanic rocks</b> * massive look * 1-2% f.g. tourmaline * 1-2% light grey qtz veinlets * traces of f.g. Py. Also few Po patches  15.60: sharp contact at 50 LCA.	756403 756404 756405 756406 756407 756408	9.75 10.60 11.60 12.60 13.60 14.60	10.60 11.60 12.60 13.60 14.60 15.60	0.85 1.00 1.00 1.00 1.00 1.00	0.32 nil 0.36 0.76 0.16 0.28
15.60	16.09	<b>Quartz breccia (South Zone)</b> * poorly development breccia * sericitized fragments * 1-2% f.g. tourmaline * 3% m.g. Py  16.09: sharp contact at 65 LCA.	756409	15.60	16.09	0.49	14.16
16.09	18.00	<b>Carbonatized and chloritized mafic volcanic rocks</b>  * several carbonate/pyrite stringers at high angle to core axis					
	18.00	EOH					

Hole number: 99-2  
 Location: 14+323W, 0+415N  
 Azimuth: 180  
 Dip: - 70  
 Depth: 30 meters  
 Date of drilling: 10/06/99  
 Logged by: P.C. Delisle

Claim number: 1218068  
 Core size: NQ  
 Core stored at: Sno'd Inn, Lochalsh  
 Drill contractor: Chibougamau Drilling  
 Logging date: 11/06/99

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*Paul-Claude Delisle*

from	to	description	sample number	from	to	width	gold assay
0.00	0.54	<b>Carbonatized mafic volcanic rocks</b> 0.54: broken contact.					
0.54	3.77	<b>QFP</b> * saussuritized * <1% Po blebs 3.77: sharp contact at 60 LCA.					
3.77	5.43	<b>Sericitized and carbonatized iron formation</b> * Locally banded semi massive sulfide (Po/Cp) from 10 to 45 LCA 5.43: irregular contact.	756428 756429	3.77 4.60	4.60 5.43	0.87 0.83	0.36 0.12
5.43	5.97	<b>Sericitized and brecciated felsic dike</b> * traces f.g. disseminated Py 5.93 - 5.97: white qtz vein at 75 LCA	756430	5.43	5.97	0.54	0.16
5.97	11.90	<b>Carbonatized mafic volcanic rocks</b> 10.53 - 11.90: altered zone. The rock become more and more sericitized	756431	10.53	11.20	0.67	0.12

from	to	description	sample number	from	to	width	gold assay
		(gradational) toward the end of the unit. 11.90: sharp contact at 20 LCA.	756432	11.20	11.90	0.70	0.32
11.90	14.25	<b>Quartz breccia zone</b> * Semi massive sulfide (Po, Py). Bands and patches	756433	11.90	13.17	1.27	3.48
		13.17 - 13.66: sericitized and carbonatized schistose rocks. Foliation at 30/35 LCA. 14.25: sharp contact at 35 LCA.	756434	13.17	14.25	1.08	1.56
14.25	23.52	<b>Carbonatized, sericitized and sheared mafic volcanic rocks</b> * strongly altered * shearing from 0 to 45 LCA * injected of several light grey qtz veinlets in all directions * Locally semi massive sulfide (Po, Py). Bands and patches. * Sulfide mainly associated with qtz veining.	756435	14.25	15.25	1.00	0.44
			756436	15.25	16.25	1.00	0.16
			756437	16.25	17.25	1.00	1.64
			756438	17.25	18.25	1.00	4.92
			756439	18.25	19.35	1.00	3.76
		19.35 - 19.50: quartz breccia. 3% Py. U/C at 45 LCA. L/C: irregular.	756440	19.35	19.92	0.57	33.26
			756441	19.92	20.82	0.90	0.12
			756442	20.82	21.72	0.90	1.36
			756443	21.72	22.62	0.90	0.08
			756444	22.62	23.52	0.90	12.96
23.52	30.00	<b>Carbonatized mafic volcanic rocks</b>					
	30.00	EOH					

Hole number: 99-3  
 Location: 14+228W, 0+399N  
 Azimuth: 180  
 Dip: - 45  
 Depth: 18 meters  
 Date of drilling: 10/06/99  
 Logged by: P.C. Delisle

Claim number: 1218068  
 Core size: NQ  
 Core stored at: Sno'd Inn, Lochalsh  
 Drill contractor: Chibougamau Drilling  
 Logging date: 11/09/99

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*Paul- Claude Delisle*

from	to	description	sample number	from	to	width	gold assay
0.00	5.13	<b>Carbonatized and sheared mafic volcanic rocks</b> 5.13: sharp contact at 55 LCA					
5.13	7.93	<b>Carbonatized and sheared mafic volcanic rocks</b> * locally sericitized * shearing at 40 LCA * injected of many light grey glassy qtz stringers in all directions. Veinlets are sometimes contorted. * locally up to 5% sulfide (Po, Py, Cp, Sph) 7.93: sharp contact at 45 LCA"	756418 756419 756420	5.13 6.06 6.99	6.06 6.99 7.93	0.93 0.93 0.94	2.32 0.08 0.88
7.93	13.88	<b>Pyritized &amp; silicified volcanic rocks or intermediate dike (?)</b> * About 85% blue qtz and plagioclase; 15% chloritized hornblende * weakly carbonatized * about 1- 2 % m.g. Py. Also Po at the beginning of the hole * medium-grained 13.88: gradational contact at 50 LCA.	756421 756422 756423 756424 756425 756426	7.93 8.93 9.93 10.93 11.93 12.93	8.93 9.93 10.93 11.93 12.93 13.88	1.00 1.00 1.00 1.00 1.00 0.95	0.08 0.12 0.08 0.60 0.08 0.97
13.88	15.11	<b>Quartz breccia (South Zone)</b> * 3- 5% f.g. to m.g. Py 15.11: sharp contact at 45 LCA.	756427	13.88	15.11	1.23	14.82

hole: 99-3

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from	to	description	sample number	from	to	width	gold assay
15.11	18.00	<b>Carbonatized and foliated mafic volcanic rocks</b> * locally sericitized					
	18.00	EOH					

Hole number: 99-4  
 Location: 14+228W, 0+372N  
 Azimuth: 180  
 Dip: - 37.5  
 Depth: 15 meters  
 Date of drilling: 10/06/99  
 Logged by: P.C. Delisle

Claim number: 1218068  
 Core size: NQ  
 Core stored at: Sno'd Inn, Lochalsh  
 Drill contractor: Chibougamau Drilling  
 Logging date: 11/06/99

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from	to	description	sample number	from	to	width	gold assay
0.00	3.82	<b>Carbonatized mafic volcanic rocks</b> * fine-grained * locally sericitized * injected of many light grey glassy qtz stringer in all directions * traces of sulfide (Po, Cp, Sph)  3.82 sharp contact at 30 LCA.					
3.82	8.61	<b>Silicified volcanic rocks or intermediate dike (?)</b> * medium-grained * about 85% blue quartz and plagioclase; 15% chloritized hornblende  3.82 - 5.10: traces of sulfide ( Po, Cp) 5.10 - 8.61: 2-3% c.g. Py 8.61: sharp contact at 50 LCA.	756410 756411 756412 756413	5.10 5.98 6.86 7.74	5.98 6.86 7.74 8.61	0.88 0.88 0.88 0.87	0.54 0.08 0.96 0.08
8.61	10.15	<b>Sericitized and carbonatized mafic volcanic rocks</b> * 1-2% contorted light grey glassy qtz veinlets * about 1-2% Py  10.15: irregular contact.	756414 756415	8.61 9.38	9.38 10.15	0.77 0.77	0.16 0.56



hole: 99-4

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from	to	description	sample number	from	to	width	gold assay
10.15	10.78	<b>Sericite and silicified zone</b> * injected of many light grey qtz stringers * 1-2% f.g. Py	756416	10.15	10.78	0.67	5.08
10.78	15.00	<b>Foliated mafic volcanic rocks</b>	756417	10.78	11.45	0.67	4.04
	15.00	EOH					

Hole number: 99-5  
 Location: 14+563W, 0+398N  
 Azimuth: 180  
 Dip: - 45  
 Depth: 27 meters  
 Date of drilling: 10/06/99  
 Logged by: P.C. Delisle

Claim number: 1218068  
 Core size: NQ  
 Core stored at: Sno'd Inn, Lochalsh  
 Drill contractor: Chibougamau Drilling  
 Logging date: 11/06/99

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from	to	description	sample number	from	to	width	gold assay
0.00	5.35	<b>Carbonatized intermediate dike</b>  3.42 - 3.60: white quartz vein at 37 LCA 5.35: sharp contact at 75 LCA"					
5.35	5.75	<b>Quartz breccia (North Zone)</b> * about 2% m.g. Py  5.35 - 5.43: light grey qtz vein with tourmaline layers at both extremities	756445	5.35	5.95	0.60	24.41
5.75	9.00	<b>Carbonatized, sheared and locally silicified, sericitized &amp; chloritized mafic volcanic rocks</b> * Silicification associates with sericitization. * alternation of sericite/silica with chlorite * locally injected of light grey glassy qtz veinlets containing 5-10% m.g. Py  9.00: contact at 50 LCA.	756446 756447 756448	5.95 6.95 7.95	6.95 7.95 9.00	1.00 1.00 1.05	1.88 3.10 0.76
9.00	12.38	<b>Carbonatized, chloritized and sheared mafic volcanic rocks</b> * same as 5.75 - 9.00 except that silicification and sericitization are almost absent. * 1-2% m.g. Py  12.38: sharp contact at 45 LCA.	756449 756450 2001 2002	9.00 9.84 10.68 11.53	9.84 10.68 11.53 12.38	0.84 0.84 0.85 0.85	0.40 0.12 0.36 8.85

from	to	description	sample number	from	to	width	gold assay
12.38	14.04	<b>Carbonatized, sheared and locally silicified, sericitized &amp; chloritized mafic volcanic rocks</b> * same as 5.75 - 9.00. * minor brecciation * 3% m.g. Py  14.04: sharp contact at 70 LCA.	2003 2004	12.38 13.21	13.21 14.04	0.83 0.83	4.02 0.96
14.04	15.76	<b>Carbonatized, chloritized and sheared mafic volcanic rocks</b> * same as 5.75 - 9.00. * <1% f.g. Py  15.76: sharp contact at 50 LCA.	2005 2006	14.04 14.90	14.90 15.76	0.86 0.86	0.92 0.30
15.76	27.00	<b>Carbonatized mafic volcanic rocks</b> * foliation at 40 LCA					
	27.00	EOH					

Hole number: 99-6  
 Location: 14+563W, 0+403N  
 Azimuth: 180  
 Dip: - 65  
 Depth: 30 meters  
 Date of drilling: 11/06/99  
 Logged by: P.C. Delisle

Claim number: 1218068  
 Core size: NQ  
 Core stored at: Sno'd Inn, Lochalsh  
 Drill contractor: Chibougamau Drilling  
 Logging date: 12/06/99

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*Paul Claude Delisle*

from	to	description	sample number	from	to	width	gold assay
0.00	5.53	<b>Carbonatized and chloritized intermediate dike</b>  5.53: sharp contact at 50 LCA. Contact put at tourmaline layer.					
5.53	13.02	<b>Carbonatized, sheared and locally silicified, sericitized &amp; chloritized mafic volcanic rocks</b> * proportion silica/sericite versus chlorite is 80 : 20 * sericitization, silicification and tourmalinization are associated * well foliated forming chlorite bands and sericite/silica bands * foliation at 50 LCA * injected of many light grey glassy qtz veinlets containing traces to 5% mg. Py. Qtz veining in all directions.  5.53 - 5.90 : several tourmaline layers  9.52 - 9.68: quartz breccia. 1% f.g. Py	2007 2008 2009 2010 2011 2012 2013 2014	5.53 6.53 7.53 8.53 9.52 10.17 11.12 12.07	6.53 7.53 8.53 9.52 10.17 11.12 12.07 13.02	1.00 1.00 1.00 0.99 0.65 0.95 0.95 0.95	7.36 1.60 4.40 1.36 2.92 0.84 0.52 0.40
13.02	15.46	<b>Carbonatized, sheared and locally silicified, sericitized &amp; chloritized mafic volcanic rocks</b> * similar to 5.53 - 13.02 except that the proportion silica/sericite versus chlorite					

from	to	description	sample number	from	to	width	gold assay
		is now 20 :80 * injected of several light grey glassy qtz veinlets containing Py. 14.98 -15.46 quartz breccia. 5% Py. U/C at 60 LCA. L/C at 45 LCA.	2015 2016 2017	13.02 14.00 14.98	14.00 14.98 15.46	0.98 0.98 0.98	0.12 3.50 13.20
15.46	30.00	<b>Carbonatized and chloritized mafic volcanic rocks</b>	2018 2019	15.46 16.53	16.53 17.60	1.07 1.07	0.72 1.92
	30.00	EOH					

Hole number: 99-7  
 Location: 14+758W, 0+402N  
 Azimuth: 180  
 Dip: - 45  
 Depth: 18 meters  
 Date of drilling: 11/06/99  
 Logged by: P.C. Delisle

Claim number: 1218068  
 Core size: NQ  
 Core stored at: Sno'd Inn, Lochalsh  
 Drill contractor: Chibougamau Drilling  
 Logging date: 12/06/99



from	to	description	sample number	from	to	width	gold assay
0.00	5.88	<b>Carbonatized intermediate dike</b>  5.88: sharp contact at 50 LCA. Contact put at tourmaline layer.					
5.88	13.00	<b>Carbonatized, chloritized and sheared, locally silicified &amp; sericitized mafic volcanic rocks</b> * Proportion silica/sericite versus chlorite is 10 : 90 * injected of few light grey glassy qtz veinlets parallel to foliation * Many contorted calcitic veinlets in all directions. * foliation at 50 LCA. * <1% f.g. Py	2020 2021 2022 2023 2024 2025 2026 2027	5.88 6.77 7.66 8.55 9.44 10.33 11.22 12.11	6.77 7.66 8.55 9.44 10.33 11.22 12.11 13.00	0.89 0.89 0.89 0.89 0.89 0.89 0.89 0.89	0.12 0.16 1.16 0.16 1.68 4.68 0.28 4.96
13.00	18.00	<b>Carbonatized and chloritized mafic volcanic rocks</b>					
	18.00	EOH					

Hole number: 99-8  
 Location: 14+813W, 0+391N  
 Azimuth: 180  
 Dip: - 37.5  
 Depth: 15 meters  
 Date of drilling: 11/06/99  
 Logged by: P.C. Delisle

Claim number: 1218068  
 Core size: NQ  
 Core stored at: Sno'd Inn, Lochalsh  
 Drill contractor: Chibougamau Drilling  
 Logging date: 12/06/99

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*Paul Claude Delisle*

from	to	description	sample number	from	to	width	gold assay
0.00	4.90	<b>Carbonatized and chloritized intermediate dike</b> 4.90: sharp contact at 55 LCA					
4.90	7.27	<b>Pyritized, chloritized, carbonatized and sheared mafic volcanic rocks (North Zone)</b> * well sheared at 55 LCA. * 2-3% m.g. Py  4.90 - 5.15: silicified zone. Laminated tourmaline. About 5% Py-Sph 5.15 - 5.33: broken core 6.26 - 7.27: quartz breccia. Traces Py 7.27: sharp contact at 70 LCA.	2028 2029 2030	4.90 5.64 6.26	5.64 6.26 7.27	0.74 0.62 0.99	2.92 4.88 0.84
7.27	10.47	<b>Carbonatized and chloritized mafic volcanic rocks</b> * injected of few calcite and light grey glassy qtz veinlets in all directions * <1% c.g. Py  10.47: sharp contact at 65 LCA.	2031 2032 2033 2034	7.27 8.07 8.87 9.67	8.07 8.87 9.67 10.47	0.80 0.80 0.80 0.80	0.80 0.08 1.04 0.88
10.47	11.30	<b>Well foliated, carbonatized mafic volcanic rocks</b> * bands of silica and chlorite * injected of many calcitic veinlet * about 5% f.g. to m.g. Py	2035	10.47	11.33	0.83	6.92

hole: 99-8

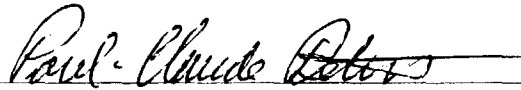
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from	to	description	sample number	from	to	width	gold assay
		11.30: sharp contact at 65 LCA.					
11.30	15.00	<b>Carbonatized and chloritized mafic volcanic rocks</b>					
	15.00	EOH					



Hole number: 99-9  
 Location: 14+092W, 0+391N  
 Azimuth: 180  
 Dip: - 40  
 Depth: 15 meters  
 Date of drilling: 11/06/99  
 Logged by: P.C. Delisle

Claim number: 1218068  
 Core size: NQ  
 Core stored at: Sno'd Inn, Lochalsh  
 Drill contractor: Chibougamau Drilling  
 Logging date: 12/06/99



from	to	description	sample number	from	to	width	gold assay
0.00	3.41	<b>Sheared, carbonatized and chloritized mafic volcanic rocks</b>  3.41: sharp contact at 65 LCA.					
3.41	11.14	<b>Massive mafic volcanic rocks</b> * coarse-grained * moderately fractured. Fractures filled with calcite  8.51 - 11.14: pyrite/sericite/carbonate/silica zone. Alteration becomes more and more strong at the end of the unit. Injected of few light grey glassy qtz veinlets. About 3% f.g. to m.g. Py. 11.14: irregular contact	2036 2037 2038 2039	7.61 8.51 9.38 10.26	8.51 9.38 10.26 11.14	0.90 0.87 0.88 0.88	nil 4.60 1.04 3.16
11.14	11.88	Sericitized QP  11.46 - 11.66: white quartz vein. Contacts at 45 LCA. 11.77 - 11.88: partly silica-flooded. 11.88: sharp contact at 45 LCA. Tourmaline layering.	20.4	11.14	12.00	0.86	0.80
11.88	15.00	<b>Carbonatized and chloritized massive mafic volcanic rocks</b>  11.88 - 12.00: sericitized zone. Minor silica. Tourmaline. 2% m.g. Py.					
	15.00	EOH					

Hole number: 99-10  
 Location: 14+092W, 0+399N  
 Azimuth: 180  
 Dip: - 65  
 Depth: 27 meters  
 Date of drilling: 11/06/99  
 Logged by: P.C. Delisle

Claim number: 1218068  
 Core size: NQ  
 Core stored at: Sno'd Inn, Lochalsh  
 Drill contractor: Chibougamau Drilling  
 Logging date: 12/06/99

*Paul Claude Delisle*

from	to	description	sample number	from	to	width	gold assay
0.00	13.20	<b>Massive mafic volcanic rocks</b> * Coarse-grained * fairly massive * weakly fractured. Fractures filled with calcite  4.40 - 5.05: white qtz vein 12.20: sharp contact at 60 LCA	2041	12.50	13.20	0.70	0.24
13.20	16.00	<b>Saussuritized QP</b> * weakly fractured. Fractures filled with calcite * Traces Py  13.31- 14.59: pyritized, sericitized and moderately silicified mafic volcanic rocks. Massive. Rare injection of light grey glassy quartz veinlets. About 3% f.g. Py. L/C at 50 LCA. 16.00 : sharp contact at 45 LCA.	2042 2043 2044 2045	13.20 13.89 14.59 15.30	13.89 14.59 15.30 16.00	0.69 0.70 0.71 0.70	6.24 10.48 0.28 0.56
16.00	17.56	<b>Quartz breccia (South contact)</b> * 5% disseminated Py, Po ,Cp in patches  17.56: unclear contact. Around 40 LCA.	2046 2047	16.00 16.78	16.78 17.56	0.78 0.78	4.24 8.88

from	to	description	sample number	from	to	width	gold assay
17.56	23.19	<b>Carbonatized and chloritized pillow basalt</b> * fine-grained  23.19: sharp contact at 35 LCA.	2048	17.56	18.35	0.79	0.80
23.19	24.58	<b>Laminated iron formation / volcanic breccia</b> * semi massive sulfide (Py, Po, Cp) * injected of few white qtz/carbonate vein. Veins are fractured. Fractures filled with sulfides  2.36- 2.64 : lost core 24.58: sharp contact, irregular at about 5 LCA.	2049 2050	23.19 24.09	24.09 24.80	0.65 0.71	0.12 0.08
24.58	25.67	<b>Chert / laminated iron formation</b> * Laminated massive sulfide (Py, Po). About 50%. Also blebs and patches.  24.58 - 24.86: massive chert. No mineralization. 25.67: gradational contact	2051	24.80	25.67	0.87	0.14
25.67	27.00	<b>Sulfidic pillow basalt</b> * about 5% Py, Po.	2052	25.67	26.67	1.00	0.24
	27.00	EOH					

Hole number: 99-11  
 Location: 13+909W, 0+399N  
 Azimuth: 180  
 Dip: - 45  
 Depth: 24 meters  
 Date of drilling: 11/06/99  
 Logged by: P.C. Delisle

Claim number: 1218068  
 Core size: NQ  
 Core stored at: Sno'd Inn, Lochalsh  
 Drill contractor: Chibougamau Drilling  
 Logging date: 12/06/99

page 1 of 2



from	to	description	sample number	from	to	width	gold assay
0.00	3.00	Casing					
3.00	4.60	<b>Massive mafic volcanic rock</b> * coarse-grained  4.60: sharp contact at 45 LCA.					
4.60	8.78	<b>Saussuritized QP</b>  7.84 - 8.78: sheared zone: locally qtz flooded. 2-3% f.g. pyrite and tourmaline 8.78: sharp contact at 45 LCA.	2053	7.84	8.78	0.94	1.60
8.78	14.20	<b>Carbonatized, chloritized and sheared mafic volcanic rocks</b> * shearing at 60 LCA * several calcitic veinlets; few qtz veinlets  14.20: sharp contact at 60 LCA.	2054	13.70	14.20	0.50	0.12
14.20	15.53	<b>Laminated iron formation / volcanic breccia</b> * about 60% sulfide (Po, Py, Sph, Cp) * lamination at 70 LCA  15.53: irregular bit sharp contact at around 40 LCA	2055 2056	14.20 14.87	14.87 15.53	0.67 0.66	0.12 0.16

hole: 99-11

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from	to	description	sample number	from	to	width	gold assay
15.53	24.00	<b>Carbonatized and sericitized intermediate volcanic rocks</b> * fine-grained * many stretched chlorite clots at 45 LCA.	2057	15.53	16.03	0.50	0.08
	24.00	EOH					

Hole number: MX98-1  
 Location: 14+643W, 0+362N  
 Azimuth: 180  
 Dip: -70  
 Depth: 17.75 meters  
 Date of drilling: 20/11/98.  
 Extended: 23/11/98 & 01/12/98.

Claim number: 1218068  
 Core size: BQ  
 Core stored at: Sno'd Inn, Lochalsh  
 Drill contractor: Sonic Drilling  
 Logging date: 21/11/98; 24/11/98 &  
 02/12/98  
 Logged by: Paul-Claude Delisle

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from	to	description	sample number	from	to	width	gold assay
		(continuation of F. Archibald' log). The hole was extended 23/11/98. 8.00: sharp contact at 20 LCA.	1953 1954 1955	0.70 1.45 2.95	1.45 2.95 4.45	0.75 1.50 1.50	1.13 1.06 0.07
8.00	8.50	<b>Chloritized &amp; sericitic mafic volcanic rocks</b> * Centimetric bands of chlorite/ligth grey sericite/few grey qtz/carb veinlets * Banding at 45 LCA. * The sericitic bands contains wispy & contorted aphanitic dark grey minute qtz stringers. * Weakly carbonatized * 1-2 % very f.g. hornblende * About 2% c.g. Py, parallel to banding.  8.50: Sharp contact at 45 LCA.	1828	7.95	8.50	0.55	4.11
8.50	9.20	<b>Silicified volcanic breccia (South Zone)</b> * Light grey/creamy beige in color * 1-2 % very f.g. hornblende * Many dark grey qtz/carb veinlet, parallel to foliation; qtz also in the form of small pod. *About 3-5 % fine to coarse-grained Py stringers, parallel to foliation.	1829	8.50	9.20	0.70	24.92

		9.20: sharp contact at 30 LCA.					
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hole: MX98-1

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from	to	description	sample number	from	to	width	gold assay
9.20	10.40	<p><b>Chloritized &amp; sericitic mafic volcanic rocks</b></p> <p>* same as 8.00 - 8.50</p> <p>* The dark grey Qtz veinlets show tension gases ( perpendicular to the vein trend), filled up with white carbonate.</p> <p>9.21 - 9.26: pervasive limonite.</p> <p>9.39 - 9.49: pervasive limonite.</p> <p>9.93 - 9.96: pervasive limonite.</p> <p>10.40: sharp contact at 40 LCA.</p>	1830	9.20	10.40	1.20	1.06
10.40	13.23	<p><b>Siliceous breccia zone (South Zone)</b></p> <p>* The hole was extended 01/12/98 from 10.55 to 17.78.</p> <p>10.40 - 11.71: silica flooded mafic volcanic breccia.</p> <p>*strongly foliated at 60 LCA.</p> <p>* About 7-10% mostly fine-grained pyrite.</p> <p>11.71 - 12.47: volcanic microbreccia. Many wispy microfractures, filled with qtz/carbonate. &lt;1% f.g. Py. Silicification over 38 cm before L/C at 50 LCA.</p> <p>12.47 - 13.23: sericitic siliceous breccia zone. The fragments are sericitized</p> <p>About 12% Py. L/C at 60 LCA.</p> <p>13.23 - 13.49: silicified zone. &lt; 1% Py associated with qtz veining.</p>	1831	10.40	10.55	0.15	2.50
			1943	10.55	11.71	1.16	4.01
			1944	11.71	12.47	0.76	0.69
			1945	12.47	13.23	0.76	11.76
			1946	13.23	13.49	0.26	2.67

13.23	17.78	<p><b>Carbonatized mafic volcanic rocks</b></p> <ul style="list-style-type: none"> <li>* weakly carbonatized.</li> <li>* foliated at 55 LCA.</li> <li>* injected of several qtz/carbonate veinlets, parallel to foliation. Few are discordant to foliation.</li> </ul>					
	17.78	EOH					



Pele Mountain Resources Inc.

Moss Lake Diamond Drilling

Drill Hole MX98-02

Date Started- November 12, 1998

Date Finished-November 12,1998

Hole Depth- 6.85 metres

Dip- -65

Azimuth- 360 degrees

Coordinates- 14+59W-0+42N (0+61W-0+46S Esso grid)

Logged by- Frederick T.Archibald , B.Sc.Geol.

Drilled by-Vatcher Diamond Drilling

Core Size- BQ (core stored at Lochalsh Lodge)

0-1.33- Altered QUARTZ-FELDSPAR PORPHYRY-

buff colour, fine grained, phenocrysts to 1 mm diameter

0-0.50- some carbonate rich seams @ 35-40 degrees to core axis,  
low pyrite-pyrrhotite content

@ 0.25- fault gouge

0.50-1.50- some brecciated seams, low chlorite content and  
increasing amount with depth, bleached

1.10-1.50- quartz phenocrysts to 1.0-1.5 m. diameter

@ 1.33- sharp contact @ 40 degrees to core axis, sulphide-  
silica rich banding

1.33-6.85- MAFIC METAVOLCANIC FLOW- Basalt-

fine grained, medium grey colour

1.33-3.63- silica flooding, white to blue-grey quartz, banded @ 25 to  
40 degrees to core axis, crenulated

1.33-1.68- highly brecciated, 1-2% disseminated pyrite

3.33-3.68- highly silicified and brecciated, 4-5% pyrite content

3.63-3.99- slightly silicified but mainly massive

3.99-4.35- silica rich bands @ 40-50 degrees to core axis, 4-5%  
disseminated pyrite content

@ 4.00- 5 cm. quartz vein (grey colour)

@ 4.18- 3 cm. quartz vein (milky white colour) @ 80 degrees to  
core axis

4.35-5.40- crenulated quartz veins and section with brecciated seams to 10 cm. thick, low sulphide content

5.40-6.85- becoming more massive with banding @ 40 to 50 degrees to core axis

6.85- End of Hole

Pele Mountain Resources Inc.  
Wawa Property- Markes Zone Drilling  
DDH MX98-02

<u>Assay #</u>	<u>Drill Intercept</u>	<u>Width(m)</u>	<u>Value (g/t.Au)</u>
1812	1.33-1.87	0.54	7.185
1813	1.87-2.25	0.38	3.781
1814	2.25-2.78	0.53	0.682
1815	2.78-3.28	0.50	4.785
1816	3.28-3.63	0.35	12.351
1817	3.63-3.98	0.35	0.938
1818	3.98-4.30	0.32	15.735
1826	4.30-5.78	0.38	0.170
1827	5.78-6.36	0.58	3.148

Hole number: MX98-3  
Location: 14+546W, 0+365N  
Azimuth: 180  
Dip: -60  
Depth: 6.42 meters  
Completion of sampling

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from	to	description	sample number	from	to	width	gold assay
		See Fred Archibald' log for rock description.	1956	3.05	3.95	0.90	0.07
			1957	3.95	5.20	1.25	0.14

*Paul Claude Lott*

Hole number: MX98-4  
 Location: 14+50W, 0+37N  
 Azimuth: 180  
 Dip: -60  
 Depth: 14.68 meters  
 Date of drilling: Extension 01/12/98  
 Logged by: P.C. Delisle

Claim number: 1218068  
 Core size: BQ  
 Core stored at: Sno'd Inn, Lochalsh  
 Drill contractor: Sonic Soil Sampling  
 Logging date: 02/12/98

*Paul Claude Bette*

from	to	description	sample number	from	to	width	gold assay
		(continuation of F. Archibald' log). The hole was extended from 8.87 to 14.68	1958	2.20	3.20	1.00	0.14
			1959	3.20	4.20	1.00	0.14
			1960	4.20	4.80	0.60	nil
			1961	4.80	6.15	1.35	0.41
			1805	6.15	6.85	0.70	1.79
			1962	6.85	7.87	1.02	0.29
7.87	12.68	<b>South Zone</b>					
		7.87 -9.13: massive chlorite zone; weakly carbonatized; minor qtz/carbonate veinlets; <1% m.g. Py. The unit becomes brecciated for the last 12 cm from the lower contact.	1947	7.87	9.13	1.26	0.14
		9.13 - 10.14: siliceous flooded breccia. The unit is completely sericitic. About 3% m.g. Py. Limonitic fractures at 9.58; 9.87; 9.97; 10.01 at 70 LCA.	1948	9.13	10.14	1.01	7.20
		10.14 - 10.98: Pyritized/choritized/sericitic zone. Few qtz/carbonate stringers. About 3 - 5% m.g. Py.	1949	10.14	10.98	0.84	12.34
		10.98 - 11.04: white qtz vein at 80 LCA.					
		11.04 - 12.68: siliceous flooded breccia. Locally 12 -15 % Py for the first haft of the top. Overall 8 -10% c.g. Py. Specks of V.G. at 11.28	1950	10.98	11.83	0.85	26.71
		12.68: sharp contact at 50 LCA.	1951	11.83	12.68	0.85	27.25
12.68	13.68	<b>Carbonatized mafic volcanic rocks</b>					
		* light green in color.					
		* fine-grained, massive.					
		* weakly carbonatized					
		* injected of several white qtz/carbonate stringers and veinlets.					

Hole: MX98-4

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from	to	description	sample number	from	to	width	gold assay
		* traces of Py. Pyrite stringers associated with qtz veining. 12.68 - 13.18: some silicified sections. At 12.91 - 12.99: fractured dark grey qtz vein. About 1 -2 % f.g. Py.	1952	12.68	13.18	0.50	3.30
	13.68	EOH					

Hole number: MX98-5  
 Location: 14+456W, 0+371N  
 Azimuth: 180  
 Dip: -65  
 Depth: 7.85m  
 Date of drilling: 20/11/98  
 Logged by: P.C. Delisle

Claim number: 1218068  
 Core size: BQ  
 Core stored at: Sno'd Inn, Lochalsh  
 Drill contractor: Sonic Soil Sampling  
 Logging date: 21/11/98

page 1 of 2

*Paul Claude Delisle*

from	to	description	sample number	from	to	width	gold assay
0	1.75	<b>Carbonatized sericitic breccia zone (North Zone)</b> * Light grey in color. * The sericitic rock is brecciated, filled up with dark grey qtz material in the form of veinlets, pods and contorted stringers. Many tension gases in qtz veinlets, filled up with matrix material. * Moderate carbonated. * 2% very small hornblende flakes throughout the unit. * 2% bleds of Po, minor Py.  0 - 0.04: altered volcanic rocks. Sharp contact at 45 LCA. 1.25 - 1.30: limonitic fracture at 70 LCA. 1.37 - 1.52: same as 1.75 - 5.15	1832	0.04	0.90	0.86	0.92
			1833	0.9	1.75	0.85	1.03
1.75	5.15	<b>Carbonatized chlorite/sericite mafic volcanic rocks</b> * Creamy light green * Aphanitic looking * Injected (2-3%) of dark grey qtz veinlets. Tension gases fill up with carbonate. Also contorted aphanitic minute qtz stringers. * Weakly to moderate foliated between 35 to 45 LCA. * 2% very small hornblende flake. * 1-2% bleds of Po, elongated and parallel to the foliation.  2.06 - 2.34 Contorted zone of chlorite/carbonate/qtz. 3% bleds of Po. 5.08: limonitic fracture at 80 LCA. 5.15: sharp foliation at 60 LCA	1834	1.75	2.45	0.70	1.30
			1835	2.45	3.25	0.80	0.62
			1836	3.25	4.15	0.90	2.33
			1837	4.15	5.15	1.00	1.10

from	to	description	sample number	from	to	width	gold assay
5.15	7.85	<b>Carbonatized and chloritized mafic volcanic rocks</b> * Grey green in color * Medium grained. Texture caused by carbonate. * Moderate foliated at 35 LCA. * Few (<1%) qtz/carb veinlets and stringers parallel to foliation. Also discordant and contorted. * 1% blebs and stringers of Po parallel to foliation.					
	7.85	EOH					



Hole number: MX98-6A  
 Location: 14+401W, 0+362N  
 Azimuth: 180  
 Dip: -70  
 Depth: 14.14 m  
 Date of drilling: 21-22/11/98  
 Logged by: P.C. Delisle

Claim number: 1218068  
 Core size: BQ  
 Core stored at: Sno'd Inn, Lochalsh  
 Drill contractor: Sonic Soil Sampling  
 Logging date: 23/11/98



from	to	description	sample number	from	to	width	gold assay
0	0.14	<p><b>Sericitic felsic rocks</b></p> <ul style="list-style-type: none"> <li>* Creamy beige in color</li> <li>* Fine-grained</li> <li>* Traces of fine-grained hornblende</li> <li>* Traces of blebs of Po</li> </ul> <p>0.14: Sharp contact at 35 LCA.</p>					
0.14	0.53	<p><b>Silicified breccia zone (North Zone)</b></p> <ul style="list-style-type: none"> <li>* Dark grey siliceous fragments within a white and weakly carbonatized matrix.</li> <li>* 3-4% patches and stringers of c.g. Po</li> </ul> <p>0.14 - 0.29: well foliated at 35 LCA. Some limonite fractures.            0.53: sharp contact at 50 LCA.</p>	1838	0.14	0.53	0.39	2.09
0.53	5.24	<p><b>Carbonatized mafic volcanic rocks</b></p> <ul style="list-style-type: none"> <li>* Light grey green in color</li> <li>* Sometimes weakly fractures (breccia looking); sometimes massive. Fractures fill up with wispy dark grey qtz stringers in all direction,</li> <li>* Pervasive carbonatization.</li> <li>* About 1% of medium grey Qtz/carb veinlets and wispy aphanitic dark grey minute stringers, parallel but also discordant to foliation.</li> <li>* Traces of f.g. Po.</li> </ul> <p>0.53 - 1.76 : mainly brecciated looking rock. At 1.49: limonite fracture at 60 LCA.</p>					

from	to	description	sample number	from	to	width	gold assay
		<p>1.76 - 2.92: massive looking rock.</p> <p>2.92 - 3.42: silica/carbonate flooded zone. Several wispy aphanitic dark grey minute stringers. 1% f. to m.g. Po.</p> <p>3.42 - 4.28: brecciated looking rock. Several wispy aphanitic dark grey stringers.</p> <p>4.28 - 4.32: fracture white qtz vein at 80 LCA. Fracture fill up with carbonate and limonite.</p> <p>4.32 - 5.24: Mainly massive looking rock.</p> <p>5.24: sharp contact at 50 LCA.</p>	1839	2.92	3.42	0.50	0.31
5.24	6.31	<p><b>Silicified breccia zone comprising felsic dike (South Zone)</b></p> <ul style="list-style-type: none"> <li>* Medium grey in color with creamy white patches</li> <li>* Moderate carbonatization through almost the unit.</li> <li>* 10 -15% f.g. Po - Py &gt;&gt; Cp in patches and stringers.</li> </ul> <p>5.80 - 6.02: creamy beige silicified felsic dike containing 2% very f.g. hornblende at very LCA (true width: 3 cm).</p> <p>6.31: sharp contact at 45 LCA.</p>	1840	5.24	6.31	1.07	0.96
6.31	6.72	<p><b>Carbonatized mafic volcanic rocks</b></p> <ul style="list-style-type: none"> <li>* Grey green in color</li> <li>* Displays locally some centimetric bands of chlorite/sericite at 50 LCA.</li> </ul> <p>6.72: Sharp contact at 35 LCA.</p>	1841	6.31	6.72	0.41	0.07
6.72	7.52	<p><b>Silicified &amp; carbonatized felsic dike (South Zone)</b></p> <ul style="list-style-type: none"> <li>* Creamy beige in color.</li> <li>* Moderately fractures. Fractures fill up with sulfide stringers and wispy dark grey qtz 'stringers. Fractures parallel and also discordant to foliation.</li> </ul>	1842	6.72	7.52	0.80	0.21

from	to	description	sample number	from	to	width	gold assay
		<ul style="list-style-type: none"> <li>* Traces of very f.g. hornblende.</li> <li>* 5% blebs of Po and Py.</li> <li>7.52: Sharp contact at 40 LCA.</li> </ul>					
7.52	9.98	<p><b>Silicified breccia zone (South Zone)</b></p> <ul style="list-style-type: none"> <li>* same as 5.24 - 6.31.</li> <li>* the unit shows sections of qtz flooded.</li> <li>* locally weakly carbonatized.</li> <li>* injected of some wispy, aphanitic dark grey minute qtz stringers.</li> <li>* 7 - 10% f.g. Py - Po in blebs, patches and stringers, associated with qtz stringers.</li> </ul> <p>7.52 - 8.39: breccia zone. 10% Py &gt; Po &gt;&gt; sphalerite.</p> <p>8.39 - 8.59: breccia zone containing a dismembered &amp; fractured felsic dike (?) L/C at 40 LCA.</p> <p>8.59 - 8.88: weakly silicified mafic volcanic. Injected of few aphanitic dark grey minute qtz stringers in all direction. Traces of f.g. Po. L/C irregular at 90 LCA.</p> <p>8.88 - 9.98: breccia zone. About 5 - 7% Py.</p> <p>9.98: Sharp contact at 30 LCA.</p>	1843	7.52	8.59	1.07	2.02
			1852	8.59	8.88	0.30	0.14
			1853	8.88	9.98	1.10	11.43
9.98	14.14	<p><b>Carbonatized mafic volcanic rocks</b></p> <ul style="list-style-type: none"> <li>* Light grey green in color</li> <li>* Injected of some (3-5%) wispy aphanitic dark grey qtz stringers in all direction.</li> <li>* Pervasive carbonatization.</li> <li>* Traces of f.g. Po - Py.</li> </ul> <p>9.98 - 11.51: 1% Py - Po associated with the wispy stringers.</p> <p>11.51 - 11.68: breccia. Many dark grey qtz stringers. Traces f.g. Py</p> <p>12.13 - 12.35: breccia. 5% blebs of c.g. Py.</p>	1854	9.98	11.51	1.53	1.75
			1855	11.5	12.69	1.14	0.79
	14.14	EOH					

Hole number: MX98-6B  
 Location: 14+401W, 0+362N  
 Azimuth: 180  
 Dip: -45  
 Depth: 11.27m  
 Date of drilling: 22/11/98  
 Logged by: P.C. Delisle

Claim number: 1218068  
 Core size: BQ  
 Core stored at: Sno'd Inn, Lochalsh  
 Drill contractor: Sonic Soil Sampling  
 Logging date: 23/11/98

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from	to	description	sample number	from	to	width	gold assay
0	0.14	<b>Fractured light grey quartz vein (North zone)</b> * 5% patches and stringers of c.g. Po  0.14: sharp contact at 75 LCA.	1844	0	0.14	0.14	4.53
0.14	2.89	<b>Carbonatized mafic volcanic rocks</b> * Light grey green in color * Locally weakly fractures (breccia looking). Fractures fill up with dark grey qtz stringers in all direction, * Pervasive carbonatization. Also chloritic and sericitic. * Moderately foliated at 55 LCA * About 1% of medium grey Qtz/carb veinlets and wispy aphanitic dark grey minute stringers, parallel but also discordant to foliation. * Traces of f.g. Po.  0.14 - 041: sericitic unit 1.23 - 1.30: limonitic fractures at 70 LCA. 2.17 - 2.37: fractured light grey qtz/carb. Fractures fill up with wispy aphanitic dark grey qtz minute stringers in all direction. 7% Po - Py in patches and stringers. U/C: 55 LCA ; L/C: 60 LCA. 2.89: Sharp contact at 60 LCA.	1845	2.17	2.89	0.72	0.38
2.89	3.58	<b>Silicified breccia zone</b> * Medium grey in color with creamy white patches * Breccia fill up with wispy aphanitic dark grey minute stringers in all direction.	1846	2.89	3.58	0.69	1.47

from	to	description	sample number	from	to	width	gold assay
		<p>* The last 22 cm contains 10% Po - Py in patches and stringers. Overall 3 - 5%.</p> <p>3.58: sharp contact at 30 LCA.</p>					
3.58	5.32	<p><b>Carbonatized mafic volcanic rocks</b></p> <p>* same as 0.14 - 2.89</p> <p>3.58 - 3.88: sericitic zone injected of several low angle qtz veinlets. About 2% Po mainly associated with qtz veining.</p> <p>5.32: sharp contact at 50 LCA.</p>	1847 1963	3.58 3.88	3.88 5.32	0.30 1.44	0.14 nil
5.32	9.46	<p><b>Silicified breccia zone (South Zone)</b></p> <p>* beige fragments invaded by wispy aphanitic dark grey qtz.</p> <p>* could the beige fragments represent a dismembered aphanitic felsic dike?</p> <p>* moderate silicified.</p> <p>* few wispy calcitic fractures.</p> <p>* some areas show qtz flooded containing few fragments: 7.18 - 7.41 and 8.77 - 8.87.</p> <p>* 2% very fine-grained hornblende dots within the fragments.</p> <p>* 5% fine to medium-grained Py in the forms of blebs, associated with the qtz.</p> <p>Also traces of f.g. Po at the beginning of the unit.</p> <p>6.11: limonitic fracture at 75 LCA</p> <p>6.23: limonitic fracture at 75 LCA. Limonite extends 3 cm each side of fracture.</p> <p>6.23 - 6.37: carbonatized, sericitic, mafic volcanic rocks. &lt;1% f.g. blebs of Py- Po. Few aphanitic dark grey minute Qtz stringers. L/C at 70 LCA.</p> <p>6.37 - 7.52: silicified breccia. Overall Py is 5%. The last 11 cm contains 10 % Py.</p> <p>7.52 - 8.46: carbonatized mafic volcanic rocks. Few light grey Qtz veinlets at 75 LCA. 'Also few wispy aphanitic dark grey minute Qtz stringers. About 1 - 2% fine</p>	1848	5.32	6.37	1.05	7.27
			1849 1850	6.37 7.52	7.52 8.46	1.15 0.84	16.94 1.06

from	to	description	sample number	from	to	width	gold assay
		to medium-grained Py. L/C at 80 LCA. 8.46 - 8.85: silicified breccia zone. About 5 % Py. 8.85 - 9.19: silicified mafic volcanic rocks injected of light grey qtz veinlets. 10% of m.g. Py. The last 6 cm is light grey (bleaching and/or sericite = felsic dike?). 9.19 - 9.46: silicified breccia zone. Contains some qtz eyes. About 5% of m.g. Py 9.46: Sharp contact at 55 LCA.	1851	8.46	9.46	1.03	16.15
9.46	11.27	<b>Mafic volcanic rocks</b>  * Grey green in color. * fine-grained massive unit. * Poorly banded. Some sections are beige. Banding at 55 LCA. * Injected of few light grey qtz/carb stringers parallel to banding. Also few wispy dark grey qtz stringers within the beige sections that are very discordant to banding. * Traces of Py stringers in fractures.  10.06 -10.21: breccia zone: light grey aphanitic fragments within f.g. grey green matrix. About 7 % m.g. Py. Contacts at 60 LCA.	1856 1964	9.46 10.21	10.21 11.27	0.75 1.06	2.81 0.10
	11.27	EOH.  N.B. The whole core appears to be a sequence of massive flow, topped with a flow breccia. The flow breccia is beige in comparison to the grey green massive flow. The beige color would reflect the sea water alteration. Sometimes the top of the flow is massive, sometimes is brecciated. The quartz solution seems preferentially to percolate through the flow breccia.					

Hole number: MX98-7A  
 Location: 14+353W, 0+375N  
 Azimuth: 180  
 Dip: -70  
 Depth: 4.64 m  
 Date of drilling: 23/11/98  
 Logged by: P.C. Delisle

Claim number: 1218068  
 Core size: BQ  
 Core stored at: Sno'd Inn, Lochalsh  
 Drill contractor: Sonic Soil Sampling  
 Logging date: 24/11/98

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from	to	description	sample number	from	to	width	gold assay
0.00	4.64	<p><b>Carbonatized mafic volcanic rocks</b></p> <ul style="list-style-type: none"> <li>* grey green in color. Locally light green/creamy beige.</li> <li>* generally massive, medium-grained due to carbonate.</li> <li>* weakly foliated at 45 LCA.</li> <li>* injected of light grey qtz/carbonate veinlets, parallel to foliation. Also few wispy aphanitic dark grey minute qtz stringers in all direction</li> <li>* Traces of f.g. disseminated sulfides (mainly Po and sphalerite).</li> </ul> <p>1.04 - 1.19: white qtz vein (North Zone). Vuggy. Sharp contact at 90 LCA.            2.24 - 4.64: the rocks is light green/creamy beige.            3.08 - 3.18: zone of qtz veining at 55 LCA. &lt; 1% Po, sphalerite.            3.85 - 3.90: white qtz vein . Vuggy. Weakly fractured. Carbonate filling. Sharp contact at 75 LCA.</p>					
			1866	1.04	1.19	0.15	tr
			1867	2.44	3.38	0.94	0.21
	4.64	EOH					

Hole number: MX98-7B  
 Location: 14+353W, 0+375N  
 Azimuth: 180  
 Dip: -45  
 Depth: 13.26 m  
 Date of drilling: 23/11/98  
 Logged by: P.C. Delisle

Claim number: 1218068  
 Core size: BQ  
 Core stored at: Sno'd Inn, Lochalsh  
 Drill contractor: Sonic Soil Sampling  
 Logging date: 24/11/98

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*Paul-Claude Delisle*

from	to	description	sample number	from	to	width	gold assay
0	3.07	<p><b>Carbonatized mafic volcanic rocks</b></p> <ul style="list-style-type: none"> <li>* grey green in color.</li> <li>* massive, medium-grained due to carbonate.</li> <li>* weakly foliated at 65 LCA.</li> <li>* injected of light grey qtz/carbonate veinlets, parallel to foliation. Also few wispy aphanitic dark grey minute qtz stringers in all direction</li> <li>* Traces of f.g. disseminated sulfides.</li> </ul> <p>0.25 - 0.33: broken limonitic core            1.31 - 1.54: white qtz vein (North Zone) at 55 LCA with attached wallrocks. About 1% Po &gt; Cp (bornite) &gt; Py in the forms of dissemination in the vein and blebs in wallrocks.            1.54 - 1.59: broken limonitic core.            1.59 - 1.87: altered (light green and beige) rocks. Few qtz veinlets.            3.00 - 3.07: qtz veinlet with massive sulfide (Po&gt;Cp&gt;sphalerite) stringers at 55 LCA. Overall 20 % sulfides.            3.07: sharp contact at 55 LCA.</p>	1857	1.31	1.54	0.23	0.07
			1868	2.67	3.07	0.30	0.58
3.07	10.28	<p><b>Siliceous breccia zone/silica flooded zone (South Zone)</b></p> <ul style="list-style-type: none"> <li>* The siliceous breccia shows many beige fragments immerse in medium grey qtz (matrix).</li> <li>* The silica flooded zone show rare fragments and it is almost pure qtz.</li> <li>* The silicified volcanic breccia is a silicified flow breccia (not immerse in qtz) The color is creamy beige. It is often injected of wispy aphanitic dark grey minute qtz stringers in all direction; so different from the siliceous breccia.</li> <li>* Injected of many aphanitic dark grey minute qtz stringers in all direction.</li> </ul>					



from	to	description	sample number	from	to	width	gold assay
		* Sulfides-rich in the form of stringers, patches and dissemination. The granulometry varies from fine to coarse. The sulfide contents is Po, Py, Cp and sphalerite.					
		3.07 - 3.73: silica flooded zone. About 5% Po > Cp - Sphalerite in stringers. Traces f.g. pyrite in fractures.	1858	3.07	3.73	0.66	1.47
		3.73 - 4.09: silicified mafic volcanic rocks. Injected of few aphanitic dark grey minute qtz stringers. About 1% disseminated Po. Traces pyrite. (at 4.44 - 4.46: light qtz vein with white patches at 75 LCA). L/C at 55 LCA.	1859	3.73	4.09	0.36	0.45
		4.09 - 5.40: siliceous breccia + silica flooded zone. Some patches of semi-massive sulfides (Po > sphalerite - Py). Overall 7% sulfides. L/C at 55 LCA.	1860	4.09	5.40	1.31	1.54
		5.40 - 6.67: silicified volcanic breccia (light beige in color) injected of many wispy aphanitic dark grey qtz stringers. About 2% medium to coarse-grained Py and fine-grained sphalerite. Also traces Po and Cp. About 1% fine-grained hornblende crystals. L/C at 80 LCA.	1861	5.40	6.67	1.27	1.44
		6.67 - 7.58: siliceous breccia + silica flooded zone. Loc light green with many hornblende crystals (?). About 5% f.g. pyrite in patches. Traces sphalerite. L/C at 65 LCA.	1862	6.67	7.58	0.91	4.08
		7.58 - 8.78: carbonatized mafic volcanic rocks. The first 40 cm is silicified, not carbonatized. Massive looking. Injected of few aphanitic dark grey minute qtz stringers in all direction. About 1% fine-grained Po > Cp, associated with the qtz stringers. L/C at 55 LCA.	1863	7.58	8.78	1.20	0.07
		8.78 - 8.90: silica flooded zone. Traces disseminated m.g. Po	1864	8.78	10.28	1.50	6.55
		8.90 - 9.01: carbonatized mafic volcanic rocks. L/C at 75 LCA.					
		9.01 - 10.28: silicified volcanic breccia zone similar to 5.40 - 6.67. About 3 - 4% fine-grained Py > Po.					
		10.28: sharp contact at 65 LCA.					

hole: MX98-7B

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from	to	description	sample number	from	to	width	gold assay
10.28	13.26	<b>Carbonatized mafic volcanic rocks</b> * same as 0 - 3.07. * the unit display banding at 65 LCA. * Traces disseminated Py> Po.  11.29: limonitic fracture at 45 LCA.	1865	10.28	10.78	0.50	1.27
	13.26	EOH					

Hole number: MX98-8  
 Location: 14+29W, 0+371N  
 Azimuth: 180  
 Dip: -45  
 Depth: 13.39 meters  
 Date of drilling: 25/11/98  
 Logged by: P.C. Delisle

Claim number: 1218068  
 Core size: BQ  
 Core stored at: Sno'd Inn, Lochalsh  
 Drill contractor: Sonic Soil Sampling  
 Logging date: 26/11/98

*Paul Claude Peters*

from	to	description	sample number	from	to	width	gold assay
0.00	13.39	<p><b>Mafic volcanic rocks</b></p> <ul style="list-style-type: none"> <li>* grey green in color. Locally light grey and light creamy green grey.</li> <li>* medium-grained.</li> <li>* massive looking.</li> <li>* injected of several qtz/carbonate stringers in all direction. Also few wispy. aphanitic dark grey minute qtz stringers.</li> <li>* Traces of disseminated sulfides (Po - Py)</li> </ul> <p>1.87 - 1.94: Massive sulfides (Po-sphalerite-Cp) stringers at 75 LCA</p> <p>2.23: limonitic fractures at 85 LCA.</p> <p>3.22 - 3.27: white qtz vein at 80 LCA.</p> <p>4.57 - 4.62: vuggy white qtz vein at 80 LCA.</p> <p>6.31 - 6.34: rusty light grey qtz veinlet with chloritic clots at 65 LCA.</p> <p>8.61 - 10.92: creamy green grey to light grey zone. Injected of many wispy aphanitic dark grey minute qtz stringers in all direction. Some pyrite, minor sphalerite associated with some qtz stringers.</p> <p>10.07 - 10.41: About 1-2% fine to coarse-grained pyrite.</p> <p>10.41 - 10.92: silicified volcanic breccia. Locally silica flooded. About 5% fine to coarse-grained pyrite. L/C sharp at 65 LCA. (South Zone?)</p> <p>10.92 - 11.83: grey green in color with traces Po-Cp. Few wispy dark grey minute qtz stringers and glassy grey veinlets with associated pyrite. The wallrock is light grey around thoses stringers.</p> <p>11.83 - 13.39: moderate foliation at 55 LCA.</p>					
			1869	1.36	2.32	0.96	0.55
			1870	2.32	3.22	0.90	tr
			1871	3.22	4.62	1.30	tr
			1872	8.61	9.51	0.90	0.10
			1873	9.51	10.41	0.90	2.42
			1874	10.41	10.92	0.51	27.25
			1875	10.92	11.83	0.91	1.44
13.39		EOH					

Hole number: MX98-9  
 Location: 14+236W, 0+388N  
 Azimuth: 180  
 Dip: -45  
 Depth: 8.20 meters  
 Date of drilling: 25/11/98  
 Logged by: P.C. Delisle

Claim number: 1218068  
 Core size: BQ  
 Core stored at: Sno'd Inn, Lochalsh  
 Drill contractor: Sonic Soil Sampling  
 Logging date: 26/11/98

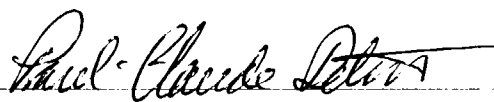


from	to	description	sample number	from	to	width	gold assay
0.00	8.20	<p><b>Carbonatized mafic volcanic rocks</b></p> <ul style="list-style-type: none"> <li>* grey green to grey in color.</li> <li>* moderate pervasive carbonatization</li> <li>* mainly massive</li> <li>* weakly foliated at 65 LCA.</li> <li>* injected of few wispy qtz/carbonate stringers.</li> <li>* Traces of disseminated sulfides: Po&gt; Py - Cp.</li> </ul> <p>1.51: limonitic fractures at 60 LCA.            1.54: limonitic fractures at 55 LCA.            1.64: limonitic fractures at 75 LCA.            2.45 - 2.70: silicified zone (light grey). Few limonitic fractures perpendicular to the zone. U/C sharp at 65 LCA.            2.70 - 3.11: well foliated zone at 65 LCA with massive sulfides (Po- Cp) stringers. Overall 8% sulfides.            3.11 - 5.03: light grey zone. Few medium grey glassy qtz stingers.. Traces Py and Po.</p>					
			1876	2.45	3.11	0.66	2.74
			1877	3.11	4.07	0.96	0.10
			1878	4.07	5.03	0.96	0.07
	8.20	EOH					

Hole number: MX98-10  
 Location: 14+739W, 0+337N  
 Azimuth: 180  
 Dip: -45  
 Depth: 10.39 meters  
 Date of drilling: 25/11/98  
 Logged by: P.C. Delisle

Claim number: 1218068  
 Core size: BQ  
 Core stored at: Sno'd Inn, Lochalsh  
 Drill contractor: Sonic Soil Sampling  
 Logged: 26/11/98

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from	to	description	sample number	from	to	width	gold assay
0.00	1.10	<b>Carbonatized and chloritized mafic volcanic rocks</b> * green grey in color * fine to medium grained. * fairly massive * pervasive carbonatization * weakly foliated at 60 LCA. * injected of several qtz/carbonate stringers at 70 LCA, parallel to foliation Late qtz/carbonate stringers cut the first set of veining at 35 LCA. * traces of disseminated Py. Also few pyrite stringers.	1879	0.00	0.90	0.90	0.14
1.10	4.18	<b>Carbonatized and chloritized mafic volcanic rocks/quartz breccia</b> * same as above * some short section of glassy grey quartz solution crosscutting the foliation at a very low angle to core axis. * the quartz appears brecciated, filled up with beige material. * about 8% f.g. pyrite associated with the qtz breccia * here below the main short sections. Beside theses sections, there are few stringers of the same material: 1.76 - 1.81: quartz breccia 2.44 - 2.57: quartz breccia 2.97 - 3.07: quartz breccia 3.14 - 3.21: quartz breccia 3.68 - 4.08: quartz breccia  2.07: limonitic fracture at 60 LCA. 3.38 - 4.18: area of several limonitic fractures.	1880 1881 1882	0.90 2.07 3.38	2.07 3.38 4.18	1.17 1.31 0.80	1.92 9.74 25.71

hole: MX98-10

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from	to	description	sample number	from	to	width	gold assay
4.18	10.39	<b>Carbonatized and chloritized mafic volcanic rocks</b> * same as 0 - 1.10  6.15: limonitic fractures at 50 LCA.	1883	4.18	4.60	0.42	1.68
	10.39	EOH					

Hole number: MX98-11  
 Location: 14+643W, 0+262N  
 Azimuth: 180  
 Dip: -45  
 Depth: 4.56 meters  
 Date of drilling: 26/11/98  
 Logged by: P.C. Delisle

Claim number: 1218068  
 Core size: BQ  
 Core stored at: Sno'd Inn, Lochalsh  
 Drill contractor: Sonic Soil Sampling  
 Logging date: 27/11/98

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*Paul Charles Rott*

from	to	description	sample number	from	to	width	gold assay
0.00	4.56	Carbonatized mafic volcanic rocks * medium green to lighth dirty green. * fine-grained. * massive * injected of several qtz/carbonate stringers. Also some glassy light grey qtz stringers at 65 LCA.					
	4.56	EOH					

Hole number: MX98-12  
 Location: 14+643W, 0+287N  
 Azimuth: 180  
 Dip: -90  
 Depth: 8.83 meters  
 Date of drilling: 26/11/98  
 Logged by: P.C. Delisle

Claim number: 1218068  
 Core size: BQ  
 Core stored at: Sno'd Inn, Lochalsh  
 Drill contractor: Sonic Soil Sampling  
 Logging date: 27/11/98

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*Paul-Claude Delisle*

from	to	description	sample number	from	to	width	gold assay
0.00	0.49	<p><b>Mafic volcanic rocks</b></p> <ul style="list-style-type: none"> <li>* green in color</li> <li>* medium-grained, massive</li> <li>* weakly carbonatized</li> <li>* injected of few qtz/carbonate stringers between 35 to 80 LCA.</li> <li>* traces of medium grained pyrite</li> </ul> <p>0.49: discrete contact at 005 LCA.</p>	1884	0.00	0.49	0.49	1.65
0.49	6.15	<p><b>Mafic volcanic rocks comprising siliceous breccia zones (South Zone)</b></p> <ul style="list-style-type: none"> <li>* light grey green.</li> <li>* weakly carbonatized.</li> <li>* many sections of quartz percolation, resulting to a breccia.</li> <li>* several wispy aphanitic grey minute qtz stringers in all direction.</li> <li>* locally some flooded qtz breccia intruded by these wispy stringers.</li> <li>* locally 5 - 7% m.g. pyrite associated with flooded qtz breccia. Overall 2- 3% disseminated or stringers Py.</li> </ul> <p>3.70: limonitic fracture at 80 LCA.            4. 19: limonitic fracture at 90 LCA.            4.46 - 4.67: flooded qtz breccia. 5% m.g. pyrite            5.12 - 5.33: flooded qtz breccia. 7% m.g. pyrite            5.59 - 6.15: flooded qtz breccia. 3- 5% f.g. pyrite. Contacts at 45 LCA.            At 5.83 - 5.87 white glassy qtz veinlet at 60 LCA.            6.15: sharp contact at 40 LCA.</p>	1885	0.49	1.74	1.25	5.55
			1886	1.74	2.99	1.25	6.86
			1887	2.99	4.24	1.25	1.95
			1888	4.24	5.59	1.35	5.73
			1889	5.59	6.15	0.56	2.33



hole: MX98-12

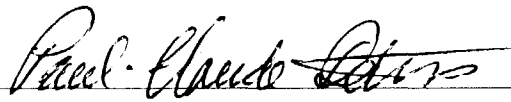
page 2 of 2

from	to	description	sample number	from	to	width	gold assay
6.15	8.83	<b>Mafic volcanic rocks</b> same as 0 - 0.49	1890	6.15	7.45	1.30	0.14
		7.45 - 7.80: same as 0.49 - 6.15. About 3% f.g. Py. U/C sharp at 30 LCA.	1891	7.45	7.80	0.35	4.53
			1965	7.80	8.83	1.03	nil
	8.83	EOH					

Hole number: MX98-13  
 Location: 14+546W, 0+286N  
 Azimuth: 180  
 Dip: -90  
 Depth: 7.63 meters  
 Date of drilling: 26-27/11/98  
 Logged by: P.C. Delisle

Claim number: 1218068  
 Core size: BQ  
 Core stored at: Sno'd Inn, Lochalsh  
 Drill contractor: Sonic Soil Sampling  
 Logging date: 28/11/99

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from	to	description	sample number	from	to	width	gold assay
0.00	4.75	<b>Mafic volcanic rocks comprising silica flooded zone (South Zone)</b> * light grey. * fine-grained to aphanitic. * weakly carbonatized. * several wispy aphanitic grey minute qtz stringers in all direction. * also some light grey qtz breccia veinlets. * < 1% m.g. disseminated pyrite, associated with qtz veining..  4.40 - 4.75: silica flooded breccia zone. About 3 % f.g. Py. U/C at 35 LCA. 4.75: Sharp contact at 85 LCA.	1892 1893 1894  1895	0.00 1.50 3.00  4.40	1.50 3.00 4.40  4.75	1.50 1.50 1.40  0.35	1.58 1.47 0.10  3.46
4.75	7.07	<b>Carbonatized mafic volcanic rocks</b> * green in color. * medium-grained. * pervasive carbonatization. * injected of white qtz/carbonate veinlets and medium grey glassy qtz veinlets in various direction but mainly at 65 LCA. * About 1% c.g. Py  7.07: irregular contact. 9 cm below, there is a glassy grey qtz veinlet at 90 LCA.	1896 1897	4.75 5.91	5.91 7.07	1.16 1.16	1.37 0.10
7.07	7.63	<b>Mafic volcanic rocks comprising silica flooded zone (South Zone)</b> * same as 0.00 - 4.75. * foliation at 0 LCA. * pervasive weak carbonatization.	1898	7.07	7.63	0.56	2.23


hole: MX98-13

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from	to	description	sample number	from	to	width	gold assay
		* about 1% fine to coarse-grained Py, associated with Qtz veining.					
	7.63	EOH.					

Hole number: MX98-14  
 Location: 14+541W, 0+286N  
 Azimuth: 180  
 Dip: -45  
 Depth: 3.12 meters  
 Date of drilling: 27/11/98  
 Logged by: P.C. Delisle

Claim number: 1218068  
 Core size: BQ  
 Core stored at: Sno'd Inn, Lochalsh  
 Drill contractor: Sonic Soil Sampling  
 Logging date: 28/11/98



from	to	description	sample number	from	to	width	gold assay
0.00	2.36	<p><b>Silica breccia zone (South Zone) comprising carbonatized mafic volcanic rocks</b></p> <ul style="list-style-type: none"> <li>* grey, white and green banding at 65 LCA.</li> <li>* most of the unit has a breccia looking: chloritic fragments within a white matrix.</li> <li>* injected of many light grey glassy qtz veinlets, sub-parallel to foliation</li> <li>* also few aphanitic dark grey minute qtz stringers in all direction.</li> <li>* About 3 - 5 % fine to medium-grained disseminated Py as well as stringers.</li> </ul> <p>0.55 - 0.81: massive volcanic rocks. light grey in color.            1.13 - 1.41: massive but foliated volcanic rocks.            1.83 - 2.01: silica flooded breccia zone. About 3 - 5% f.g. pyrite            2.36: sharp contact at 70 LCA.</p>	1899	0.00	1.18	1.18	10.15
			1900	1.18	2.36	1.18	2.78
2.36	3.12	<p><b>Carbonatized mafic volcanic rocks</b></p> <ul style="list-style-type: none"> <li>* light green grey in color</li> <li>* fine-grained.</li> <li>* massive.</li> <li>* pervasive strong carbonatization.</li> <li>* few wispy white qtz/carbonate stringers mainly at 70 LCA. Some are at high angle at 25 LCA.</li> </ul>	1966	2.36	3.12	0.76	nil
	3.12	EOH.					

Hole number: MX98-15  
 Location: 14+463W, 0+312N  
 Azimuth: 180  
 Dip: -45  
 Depth: 4.43 meters  
 Date of drilling: 27/11/98  
 Logged by: P.C. Delisle

Claim number: 1218068  
 Core size: BQ  
 Core stored at: Sno'd Inn, Lochalsh  
 Drill contractor: Sonic Soil Sampling  
 Logging date: 28/11/98

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*Paul Claude Delisle*

from	to	description	sample number	from	to	width	gold assay
0.00	0.30	<p><b>Foliated mafic volcanic rocks</b></p> <ul style="list-style-type: none"> <li>* green and whitish grey banding.</li> <li>* foliation at 60 LCA.</li> <li>* weakly carbonatized.</li> <li>* few Po stringers.</li> </ul> <p>0.30: gradational contact.</p>	1901	0.00	0.30	0.30	0.48
0.30	3.73	<p><b>Silicified sericitic breccia/ silica flooded breccia (South Zone)</b></p> <ul style="list-style-type: none"> <li>* dull whitish grey</li> <li>* moderately silicified</li> <li>* almost breccia texture into the entire unit.</li> <li>* when breccia is present, the fragments immerse in a grey silica matrix.</li> <li>* injected of many wispy, glassy, dark grey qtz veinlets and stringers in all direction.</li> <li>* about 7 - 10% fine to medium-grained, disseminated and stringers Py.</li> </ul> <p>1.09 - 1.34: silica flooded breccia. About 10% f.g. pyrite.            3.38 - 3.73: silica flooded breccia. About            3.73: sharp contact at 60 LCA.</p>	1902 1903 1904	0.30 1.45 2.60	1.45 2.60 3.73	1.15 1.15 1.13	4.05 7.27 11.52
3.73	4.43	<p><b>Carbonatized mafic volcanic rocks</b></p> <ul style="list-style-type: none"> <li>* grey in color</li> <li>* medium-grained looking because of carbonate blebs.</li> <li>* injected of many carbonate/qtz veinlets mainly at 65 LCA.</li> </ul>	1967	3.73	4.43	0.70	0.45

hole: MX98-15

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from	to	description	sample number	from	to	width	gold assay
		* earlier carbonate/qtz veinlets are folded, trending at 005 LCA. These veinlets are faulted by the set at 65 LCA.					
	4.43	EOH.					

Hole number: MX98-16  
 Location: 14+829W, 0+337N  
 Azimuth: 180  
 Dip: -90  
 Depth: 4.33 meters  
 Date of drilling: 27-28/11/98  
 Logged by: P.C. Delisle

Claim number: 1218068  
 Core size: BQ  
 Core stored at: Sno'd Inn, Lochalsh  
 Drill contractor: Sonic Soil Sampling  
 Logging date: 29/11/98



from	to	description	sample number	from	to	width	gold assay
0.00	3.10	<p><b>Carbonatized, chloritized &amp; (silicified) shear zone (South zone)</b></p> <ul style="list-style-type: none"> <li>* dark green in color.</li> <li>* fine grained rock.</li> <li>* massive.</li> <li>* shearing at 55 LCA.</li> <li>* highly pervasive carbonatization</li> <li>* highly chloritized</li> <li>* locally silicified over short sections.</li> <li>* injected of many light grey glassy qtz/carbonate veinlets.</li> <li>* two generations of veining. The earlier first set is often contorted at low angle to the core axis. The late second set is parallel to shear fabric.</li> <li>* about 3 - 5% m.g. Py, associated with qtz veining (near and in the qtz).</li> </ul>					
		0.13 - 0.39: mainly silicified/carbonatized zone. <1% Py.	1905	0.00	1.15	1.15	1.10
		1.58: limonitic fracture at 35 LCA.					
		1.75 - 193: limonitic fractures at 35 and 65 LCA.	1906	1.15	2.30	1.15	3.36
		2.30 - 2.35: qtz blebs. 7 % Py	1907	2.30	3.10	0.80	11.55
		2.52 - 2.53: qtz veinlet containing 7 % Py in the wallrock					
		2.71 - 2.73: qtz veinlet containing 10% Py in the wallrock					
		2.87 - 3.00: limonitic fractures at 35 and 65 LCA.					
		3.00 - 3.10: silicified zone with 10 % Py.					
		3.10: sharp contact at 65 LCA.					

from	to	description	sample number	from	to	width	gold assay
3.10	4.33	<b>Carbonatized and chloritized mafic volcanic rocks</b> * grey green in color * fine to medium-grained * massive * well foliated at 65 LCA. * few qtz/carbonate stringers * traces disseminated pyrite.  3.16 - 3.30: crosscutting limonitic fractures at 50 and 55 LCA.	1968	3.10	4.33	1.23	0.10
	4.33	EOH					



Hole number: MX98-17  
 Location: 14+693W, 0+262N  
 Azimuth: 360  
 Dip: -35  
 Depth: 5.67 meters  
 Date of drilling: 28/11/98  
 Logged by: P.C. Delisle

Claim number: 1218068  
 Core size: BQ  
 Core stored at: Sno'd Inn, Lochalsh  
 Drill contractor: Sonic Soil Sampling  
 Logging date: 29/11/98

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*Paul Claude Peters*

from	to	description	sample number	from	to	width	gold assay
0.00	0.67	<p><b>Carbonatized mafic volcanic rocks</b></p> <ul style="list-style-type: none"> <li>* green grey in color</li> <li>* fine-grained</li> <li>* massive</li> <li>* moderate foliation at 80 LCA.</li> <li>* moderate carbonatization.</li> <li>* injected of several white qtz/carbonate stringers in all direction. Also rare faulted dark grey qtz stringer at 10 LCA.</li> </ul> <p>0.67: the rocks become greyish ant the amount of qtz material increase</p>	1969	0.00	0.67	0.67	0.14
0.67	5.67	<p><b>Sheared mafic volcanic rocks comprising siliceous breccia zones South Zone)</b></p> <ul style="list-style-type: none"> <li>* light grey green. Sometimes but t not often medium green.</li> <li>* moderately sheared at 60 LCA.</li> <li>* weakly carbonatized.</li> <li>* many sections of quartz percolation, resulting to a breccia. These sections tend to be beige in color.</li> <li>* Many light grey (to white) glassy qtz/carbonate blebs and stringers, mainly</li> <li>* parallel to shearing. Also several wispy aphanitic grey minute qtz stringers in all direction.</li> <li>* 3 - 10% fine to medium grained Py associated with flooded qtz breccia. The volcanic rocks contain 1-10 % Py. Overall 2 - 3% disseminated Py or stringers.</li> </ul> <p>0.67 - 2.87: About 1 - 2% Py            2.18: limonitic fracture at 30 LCA.</p>	1908 1909	0.67 1.77	1.77 2.87	1.10 1.10	2.50 2.91

hole: MX98-17

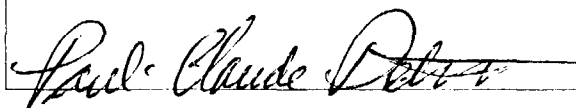
page 2 of 2

from	to	description	sample number	from	to	width	gold assay
		3.26 - 3.31: siliceous breccia zone. About 3% Py stringers. 3.36 - 3.46: siliceous breccia zone. About 10% Py stringers. 3.58 - 3.63: siliceous breccia zone. About 4 % Py. 3.82 - 3.96: siliceous breccia zone: About 5 - 7% Py. 3.97 - 4.35: siliceous breccia zone. About 10 % Py. 4.87 - 5.67: siliceous breccia zone. About 7 - 10 % Py.	1910	2.87	3.97	1.10	7.20
			1911	3.97	4.87	0.90	8.26
			1912	4.87	5.67	0.80	15.87
	5.67	EOH					

Hole number: MX98-18  
 Location: 14+593W, 0+287N  
 Azimuth: 180  
 Dip: -90  
 Depth: 3.08 meters  
 Date of drilling: 28/11/98  
 Logged by: P.C. Delisle

Claim number: 1218068  
 Core size: BQ  
 Core stored at: Sno'd Inn, Lochalsh  
 Drill contractor: Sonic Soil Sampling  
 Logging date: 29/11/98

page 1 of 1



from	to	description	sample number	from	to	width	gold assay
0.00	2.54	<p><b>Carbonatized mafic volcanic rocks (South Zone)</b></p> <ul style="list-style-type: none"> <li>* locally light grey green sections in color. Otherwise medium grey green.</li> <li>* fine-grained.</li> <li>* fairly massive, locally brecciated.</li> <li>* moderate carbonatization.</li> <li>* injected of several light grey qtz/carbonate breccia veinlets. Also few wispy aphanitic dark grey minute qtz stringers.</li> <li>* Locally siliceous flooded breccia.</li> <li>* &lt;1% of fine to coarse-grained disseminated pyrite.</li> </ul> <p>2.10 - 2.20: siliceous flooded breccia. 3% f.g. Py.            2.38 - 2.54: siliceous flooded breccia. Traces of f.g. Py.            2.54: Sharp contact at 75 LCA.</p>	1913 1914	0.00 1.27	1.27 2.54	1.27 1.27	0.07 0.14
2.54	3.08	<p><b>Carbonatized mafic volcanic rocks</b></p> <ul style="list-style-type: none"> <li>* light grey green</li> <li>* fine-grained.</li> <li>* massive.</li> <li>* strong carbonatization.</li> <li>* injected of several light grey qtz/carbonate breccia veinlets at 75 LCA.</li> <li>* traces of coarse-grained disseminated pyrite.</li> </ul>					
	3.08	EOH					

Hole number: MX98-19  
 Location: 14+693W, 0+292N  
 Azimuth: 180  
 Dip: -38  
 Depth: 7.10 meters  
 Date of drilling: 29/11/98  
 Logged by: P.C. Delisle

Claim number: 1218068  
 Core size: BQ  
 Core stored at: Sno'd Inn, Lochalsh  
 Drill contractor: Sonic Soil Sampling  
 Logging date: 30/11/98

page 1 of 1

*Paul-Clavie Deter*

from	to	description	sample number	from	to	width	gold assay
0.00	7.10	<p><b>Chloritized mafic volcanic rocks comprising sericitic siliceous flooded breccia (South Zone)</b></p> <ul style="list-style-type: none"> <li>* grey green in color, locally light grey to beige.</li> <li>* fine grained, massive, weakly foliated at 70 LCA.</li> <li>* highly chloritized.</li> <li>* moderately to weakly carbonatized.</li> <li>* sericite (beige) associated with siliceous flooded breccia and qtz veining.</li> <li>* injected of moderate to abundant glassy qtz veinlets. Two kind of veinlets: the more common is light grey with carbonate; the less common is aphanitic dark grey. The last veinlets are often dismembered.</li> <li>* good amount of pyrite is always at the margin of the qtz veinlets or in minute fracture. Abundant pyrite is always where sericite is present.</li> <li>* About 1- 5% fine to coarse-grained Py through the unit. Locally up to 12% Py.</li> </ul>					
		0.00 - 0.77: about 1-2% Py.	1915	0.00	0.77	0.77	4.11
		0.77 - 5.48: well pyritized zone (3%) that is injected of abundant qtz veinlets					
		0.80 - 1.16: siliceous flooded breccia. 10 % Py.	1916	0.77	1.65	0.88	11.31
		2.13 - 2.53: siliceous flooded breccia. . 8 % Py.	1917	1.65	2.53	0.88	15.80
		2.82 - 2.90: siliceous flooded breccia. 4% Py	1918	2.53	3.53	1.00	3.57
		3.98 - 4.11: siliceous flooded breccia. 2% Py. Limonitic fracture at 60 LCA.	1919	3.53	4.53	1.00	3.74
		5.35 - 5.48: siliceous flooded breccia. 12% Py	1920	4.53	5.48	0.95	10.83
		5.48 - 7.10: about 1-2% Py.	1921	5.48	6.29	0.81	2.67
		6.90: limonitic fracture at 55 LCA.	1922	6.29	7.10	0.81	4.94
	7.10	EOH					

Hole number: MX98-20  
 Location: 14+739W, 0+349N  
 Azimuth: 180  
 Dip: -75  
 Depth: 9.12 meters  
 Date of drilling: 29/11/98  
 Logged by: P.C. Delisle

Claim number: 1218068  
 Core size: BQ  
 Core stored at: Sno'd Inn, Lochalsh  
 Drill contractor: Sonic Soil Sampling  
 Logging date: 30/11/98

page 1 of 2



from	to	description	sample number	from	to	width	gold assay
0.00	8.11	<p><b>Chloritized mafic volcanic rocks comprising siliceous flooded breccia and qtz veinlets (South Zone)</b></p> <ul style="list-style-type: none"> <li>* grey green in color, locally light grey.</li> <li>* fine to medium-grained, massive, weakly foliated at 25 LCA.</li> <li>* highly chloritized.</li> <li>* weakly carbonatized.</li> <li>* sericite (beige) associated with siliceous flooded breccia and qtz veining.</li> <li>* injected of several to many glassy qtz veinlets (10%). Two kind of veinlets: the more common is light grey with carbonate; the less common is aphanitic dark grey. The last veinlets are often dismembered.</li> <li>* sometimes good amount of pyrite at the margin of the qtz veinlets or in minute fracture. Abundant pyrite is always where sericite is present.</li> <li>* About &lt;1% fine to coarse-grained Py through the unit. Locally up to 10% Py.</li> </ul>					
		0.00 - 0.52: siliceous flooded breccia. About 7% Py.	1923	0.00	0.52	0.52	39.36
		0.60: limonitic fracture at 85 LCA.	1924	0.52	1.97	1.45	3.46
		0.72: limonitic fractures at 45 LCA.					
		2.86: limonitic fracture at 85 LCA.	1925	1.97	3.39	1.42	0.21
		3.26: fault at 35 LCA (angle 120), showing qtz veining being displaced					
		3.39 - 4.27: siliceous flooded breccia. About 8% Py.	1926	3.39	4.27	0.88	37.20
		4.77: limonitic fracture at 85 LCA.	1927	4.27	5.23	0.96	6.24
		6.18 - 6.25: pyrite-rich zone (8%). Limonitic fracture at 85 LCA.	1928	5.23	6.25	1.02	6.86
		6.25 - 6.78: pyrite-rich zone (10%), associated with a poorly developed qtz breccia.	1929	6.25	7.23	0.98	3.19
		7.23: limonitic fracture at 70 LCA.					
		7.90 - 8.02: siliceous flooded breccia. About 3% Py	1930	7.23	8.11	0.88	3.91
		8.11: Sharp contact at 45 LCA. The amount of veinlets decreases.					

from	to	description	sample number	from	to	width	gold assay
8.11	9.12	<b>Chloritized mafic volcanic rocks</b> * same as 0.00 - 8.11. * the amount of qtz/carbonate veining decreases dramatically (2%). * Traces of Py.  8.19 - 8.24: limonitic fractures at 80 LCA. 9.58: limonitic fracture at 65 LCA.	1970	8.11	9.12	1.11	0.27
	9.12	EOH					

Hole number: MX98-21  
 Location: 14+628W, 0+359N  
 Azimuth: 180  
 Dip: -23  
 Depth: 10.10 meters  
 Date of drilling: 30/11/98  
 Logged by: P.C. Delisle

Claim number: 1218068  
 Core size: BQ  
 Core stored at: Sno'd Inn, Lochalsh  
 Drill contractor: Sonic Soil Sampling  
 Logging date: 01/12/98

page 1 of 2



from	to	description	sample number	from	to	width	gold assay
0.00	10.10	<p><b>Carbonatized and chloritized mafic volcanic rocks</b></p> <ul style="list-style-type: none"> <li>* light grey green in color; locally grey.</li> <li>* fine-grained.</li> <li>* massive, locally brecciated.</li> <li>* moderately foliated at 75 LCA.</li> <li>* moderate carbonatization.</li> <li>* highly chloritized.</li> <li>* moderate sericite in areas of intense qtz veining.</li> <li>* locally injected of several light grey qtz/carbonate veinlets mainly parallel to foliation. Also some aphanitic dark grey qtz stringers.</li> <li>* traces of fine to coarse-grained Py up to 7% in some places. High concentration of Py are always related to qtz veining.</li> </ul>					
		0.00 - 0.75: NORTH ZONE. It comprises about 10% qtz veining, 45% sericite, and 45% chlorite. About 3-5% pyrite stringers.	1935	0.00	0.75	0.75	8.64
		0.75 - 3.05: <1% qtz veining and traces of pyrite.	1936	0.75	1.90	1.15	0.29
		3.00 - 3.05: limonite fractures at 35 and 50 LCA.	1937	1.90	3.05	1.15	0.24
		3.05 - 8.93: SOUTH ZONE. It comprises 5% qtz veining, 15% sericite and 80% sericite. Locally brecciated. Overall 1 % pyrite.					
		3.11: limonitic fracture at 35 LCA.					
		3.17- 3.37: poorly developed siliceous flooded qtz. About 5% Py.	1938	3.05	4.25	1.20	2.19
		4.00 - 4.05: sericitic qtz veining zone. About 3% Py.					
		4.38 - 4.45: sericitic qtz veining zone. About 2 % Py	1939	4.25	5.45	1.20	1.47
		5.45 - 5.65: poorly developed siliceous flooded qtz. About 2% f.g. Py.	1940	5.45	6.85	1.40	6.00
		6.48 - 6.85: poorly developed siliceous flooded qtz. About 1-2% f.g. Py.					
		8.41 - 8.50: poorly developed siliceous flooded breccia. About 3% f.g. Py.	1941	6.85	7.89	1.04	0.89
			1942	7.89	8.93	1.04	2.71

from	to	description	sample number	from	to	width	gold assay
		8.83 - 8.93: poorly developed siliceous flooded qtz. About 3% f.g. Py. 8.93: sharp contact at 80 LCA. 9.00: limonitic fracture at 30 LCA.	1971	8.93	10.10	1.17	nil
	10.10	EOH.					



Hole number: MX98-22  
 Location: 14+784W, 0+362N  
 Azimuth: 180  
 Dip: -35  
 Depth: 6.91 meters  
 Date of drilling: 30/11/98  
 Logged by: P.C. Delisle

Claim number: 1218068  
 Core size: BQ  
 Core stored at: Sno'd Inn, Lochalsh  
 Drill contractor: Sonic Soil Sampling  
 Logging date: 01/12/98

*Paul Claude Peters*

from	to	description	sample number	from	to	width	gold assay
0.00	5.53	<p><b>Chloritized mafic volcanic rocks comprising siliceous flooded breccia and qtz veinlets (South Zone)</b></p> <ul style="list-style-type: none"> <li>* grey green in color.</li> <li>* fine-grained, massive, weakly foliated at 85 LCA.</li> <li>* highly chloritized.</li> <li>* weakly carbonatized.</li> <li>* sericite (beige) associated with siliceous flooded breccia.</li> <li>* injected of several glassy qtz veinlets (3%).</li> <li>* &lt;1% of fine to coarse-grained Py through the unit. Locally up to 5% Py.</li> </ul> <p>0.00 - 0.76: siliceous flooded breccia. About 5 % Py.            0.72: limonitic fracture at 35 LCA.            1.00 - 1.63: highly carbonatized and chloritized rocks.</p> <p>5.35 - 5.53: poorly developed siliceous flooded qtz.            5.53: Sharp contact at 80 LCA.</p>					
			1934	0.00	1.00	1.00	13.54
			1973	1.00	1.63	0.63	3.50
			1933	1.63	3.08	1.45	1.20
			1932	3.08	4.53	1.45	1.03
			1931	4.53	5.53	1.00	3.36
5.53	6.91	<p><b>Carbonatized and chloritized mafic volcanic rocks</b></p> <ul style="list-style-type: none"> <li>* grey green in color.</li> <li>* foliation at 70 LCA.</li> <li>* injected of few wispy carbonate stringers (at 75 LCA) that are discordant to foliation</li> <li>* traces of disseminated pyrite</li> </ul>	1972	5.53	6.91	1.38	0.10
6.91		EOH					



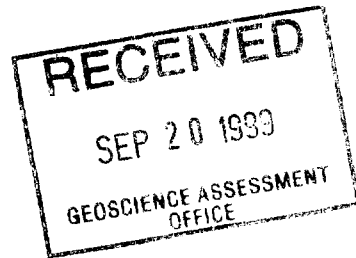
**RIVER GOLD MINES LTD**  
**ASSAY LABORATORY**  
127 Mission Road  
Wawa, Ontario, P0S 1K0  
phone (705) 856-8274 fax (705) 856-8274

**CLIENT** Pele Mountain Resources Inc.      **DATE** May 28, 1999

Type of analysis      Au - FA, gravimetric finish

**CERTIFICATE OF ANALYSIS**

SAMPLE NUMBER	Au g/tonne
1991	8.08
1992	6.76
1993	0.08
1994	0.12
1995	<0.04
1996	6.92
1997	18.64
1998	18.68
1999	18.60
2000	19.08
2001	18.04
2002	17.80
2003	18.64
2004	18.20
"	18.00
2005	0.08
2006	0.08
2007	0.12
2008	0.08



Report by: *S. Kostal*





**XRAL Laboratories**  
A Division of SGS Canada Inc.

1885 Leslie Street  
Don Mills, Ontario  
Canada M3B 3J4  
Telephone (416) 445-5755  
Fax (416) 445-4152

**CERTIFICATE OF ANALYSIS**

**Work Order: 056087**

To: **Pele Mountain Resources**  
**Attn: Al Shefsky**  
20 Richmond St. E.  
Suite 212  
TORONTO  
ONT., CANADA M5C 2R9

Date : 17/08/99

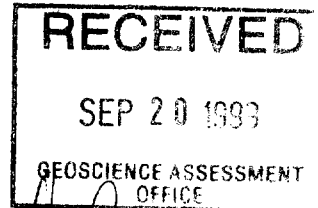
Copy 1 to :

Copy 2 to :

P.O. No. :  
Project No. :  
No. of Samples : 4 ROCKS  
Date Submitted : 27/07/99  
Report Comprises : Cover Sheet plus  
Pages 1 to 1

**Distribution of unused material:**

**Pulps:** Discarded After 90 Days Unless Instructed!!!  
**Rejects:** Discarded After 90 Days Unless Instructed!!!



Certified By :

\_\_\_\_\_  
Dr. Hugh de Souza, General Manager  
XRAL Laboratories

**ISO 9002 REGISTERED**

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample  
n.a. = Not applicable -- = No result  
\*INF = Composition of this sample makes detection impossible by this method  
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion



**XRAL Laboratories**  
A Division of SGS Canada Inc.

Work Order: 056087

Date: 17/08/99

FINAL

Page 1 of 1

Element.	AP	NNP	NP	pH	S(T)	S(SO4)	S <sub>2</sub>
Method.	CH133A	CH133A	CH133A	CH133A	CH133A	CH133A	CH133A
Det.Lim.	0.1	0.1	0.1	0.01	0.01	0.1	0.1
Units.	tCaCO3	tCaCO3	tCaCO3		%	%	%
2069	2.2	*+141	143	8.15	0.10	<0.1	<0.1
2070	<0.1	*+33.2	33	8.24	0.17	0.2	<0.1
2071	300	*-264.	28	5.92	10.1	0.7	9.4
2072	174	*-69.2	105	8.24	5.70	0.1	5.6
*Dup 2069	2.8	*+137.	141	8.15	0.11	<0.1	<0.1

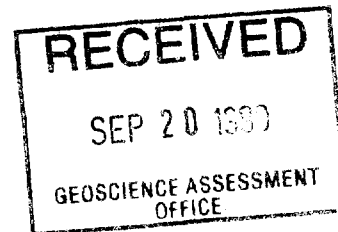
**RIVER GOLD MINES LTD**  
**ASSAY LABORATORY**  
127 Mission Road  
Wawa, Ontario, P0S 1K0  
phone (705) 856-8274 fax (705) 856-8274

**CLIENT** Pele Mountain Resources Inc.      **DATE** April 27, 1999

Type of analysis      Au - FA, gravimetric finish

**CERTIFICATE OF ANALYSIS**

SAMPLE NUMBER	Au g/tonne
1953	1.13
1954	1.06
1955	0.07
1956	0.07
1957	0.14
1958	0.14
1959	0.14
1960	<0.03
1961	0.41
1962	0.27
"	0.31
1963	<0.03
1964	0.10
1965	<0.03
1966	<0.03
1967	0.45
1968	0.10
1969	0.14
1970	0.27
1971	<0.03
1972	0.10
"	0.10



**2 . 19753**

Report by: \_\_\_\_\_

*Shoshal*





**RIVER GOLD MINES LTD**  
**ASSAY LABORATORY**  
127 Mission Road  
Wawa, Ontario, P0S 1K0  
phone (705) 856-8274 fax (705) 856-8274

**CLIENT** Pele Mountain Resources Inc. May 13, 1999

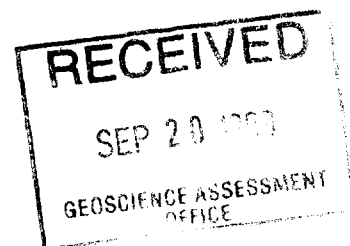
Type of analysis Au - FA, gravimetric finish

**CERTIFICATE OF ANALYSIS**

SAMPLE NUMBER	Au g/tonne
PC-99-1	< 0.03
PC-99-2	< 0.03
PC-99-3	< 0.03
PC-99-4	< 0.03
PC-99-5	< 0.03
PC-99-6	< 0.03
PC-99-7	< 0.03

Report by: \_\_\_\_\_

*Blusckel*



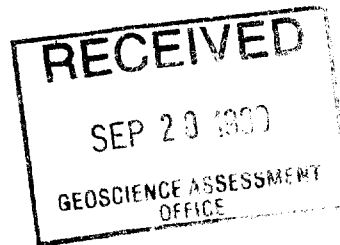
**RIVER GOLD MINES LTD**  
**ASSAY LABORATORY**  
127 Mission Road  
Wawa, Ontario, P0S 1K0  
phone (705) 856-8274 fax (705) 856-8274

**CLIENT** Pele Mountain Resources Inc.      **DATE** June 15, 1999

Type of analysis      Au - FA, gravimetric finish

**CERTIFICATE OF ANALYSIS**

SAMPLE NUMBER	Au g/tonne	Check
		Au g/tonne
756401	0.72	
756402	1.64	
756403	0.32	
756404	<0.04	
756405	0.36	
756406	0.76	
756407	0.16	
756408	0.28	
756409	14.16	
756410	0.56	0.52
756411	0.08	
756412	0.96	
756413	0.08	
756414	0.16	
756415	0.56	
756416	5.08	
756417	4.04	
756418	2.32	
756419	0.08	
756420	0.88	
756421	0.08	
756422	0.12	
756423	0.08	
756424	0.60	
756425	0.08	



Report by: \_\_\_\_\_ *Alford*

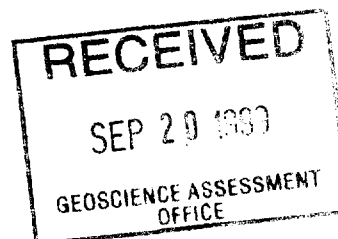
**RIVER GOLD MINES LTD**  
**ASSAY LABORATORY**  
127 Mission Road  
Wawa, Ontario, P0S 1K0  
phone (705) 856-8274 fax (705) 856-8274

**CLIENT** Pele Mountain Resources Inc. **DATE** June 15, 1999

Type of analysis Au - FA, gravimetric finish

**CERTIFICATE OF ANALYSIS**

SAMPLE NUMBER	Au g/tonne	Check Au g/tonne
756426	0.92	1.08
756427	14.68	14.96
756428	0.36	
756429	0.12	
756430	0.16	
756431	0.12	
756432	0.32	
756433	3.48	
756434	1.56	
756435	0.40	0.48
756436	0.16	
756437	1.64	
756438	4.92	
756439	3.76	
756440	31.65	34.86
756441	0.12	
756442	1.36	
756443	0.08	
756444	12.97	12.94
756445	26.26	22.56
756446	1.88	
756447	3.24	
756448	0.76	
756449	0.40	
756450	0.12	



Report by: \_\_\_\_\_

*Alford*

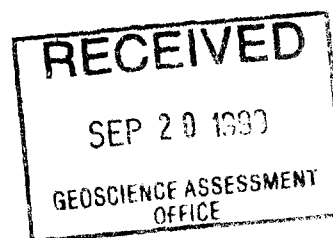
**RIVER GOLD MINES LTD**  
**ASSAY LABORATORY**  
127 Mission Road  
Wawa, Ontario, P0S 1K0  
phone (705) 856-8274 fax (705) 856-8274

**CLIENT** Pele Mountain Resources Inc.      **DATE** June 17, 1999

**Type of analysis** Au - FA, gravimetric finish

**CERTIFICATE OF ANALYSIS**

SAMPLE NUMBER	Au g/tonne	Check
		Au g/tonne
2041	0.24	
2042	6.24	
2043	10.32	10.64
2044	0.28	
2045	0.56	
2046	4.24	
2047	8.88	
2048	0.80	
2049	0.12	
2050	0.08	
2051	0.14	
2052	0.24	
2053	1.60	
2054	0.12	
2055	0.12	
2056	0.16	
2057	0.08	



Report by: *Alfred*

# RIVER GOLD MINES LTD

## ASSAY LABORATORY

127 Mission Road

Wawa, Ontario, P0S 1K0

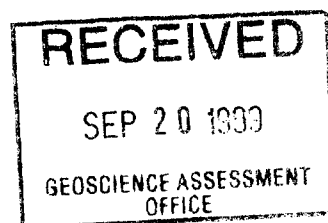
phone (705) 856-8274 fax (705) 856-8274

**CLIENT** Pele Mountain Resources Inc.      **DATE** June 17, 1999

Type of analysis      Au - FA, gravimetric finish

### CERTIFICATE OF ANALYSIS

SAMPLE NUMBER	Au	Check
	g/tonne	Au g/tonne
2021	0.16	
2022	1.16	
2023	0.16	
2024	1.68	
2025	4.64	
2026	0.28	
2027	4.76	5.16
2028	2.92	
2029	4.88	
2030	0.84	
2031	0.80	
2032	0.08	
2033	1.04	
2034	0.88	
2035	6.92	
2036	<0.04	
2037	4.60	
2038	1.04	
2039	3.16	
2040	0.80	



Report by: \_\_\_\_\_

*Alford*



**Pele Mountain Resources Inc.**

**Acid Test Samples (Markes Zone)**

<b>Sample number</b>	<b>Location</b>	<b>Description</b>
2069	5m south of 98-5	Basalt. Iron Carbonate. Chlorite. 2% biotite. Traces Pyrite.
2070	1m east of 98-5	Felsic dike. Iron Carbonate. 2% biotite. Traces Pyrrhotite + Pyrite.
2071	3m south of 98-6	Iron formation: gossanous basalt containing 20% bedded massive sulphide. Most of it is Pyrite. Minor Pyrrhotite + Chalcopyrite + Sphalerite.
2072	98-19	Ore: 50% iron carbonatized basalt + 50% quart breccia containing 10-15% Pyrite and 2% Tourmaline.

**RECEIVED**  
JAN 10 2000  
GEOSCIENCE ASSESSMENT  
OFFICE

**DUPLICATE**

2. 10 58

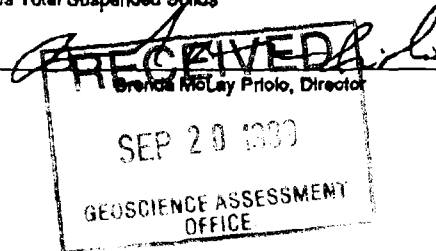
## STATEMENT OF ANALYTICAL RESULTS

Client:	Pete Mountain Resources	Project:	Markes
Contact:	Alan Shefsky	Date Sampled:	July 24, 1999
Address:	Suite 212	Sampled By:	S. Miot
	20 Richmond Street East	Date Received:	July 26, 1999
	Toronto, ON	Report Date:	August 18, 1999
	MSC 2R8	Status:	Final
		Report #:	99G0678, 0679

Preparation: All samples were processed in accordance to the recommendations of "Standard Methods for the Examination of Water and Wastewater", AWWA, 16th Ed. and Ontario Ministry of the Environment and Energy protocols.

LAB #:	99G0678	99G0679			Method Detection Limit (min)
DATE SAMPLED:	July 24, 1999	July 24, 1999			
DATE RECEIVED:	July 26, 1999	July 26, 1999			
DESCRIPTION:	SW 1	SW 2		Units	Method of Analysis
Alkalinity	82	50		mg/L	titration
Ammonia	0.08	0.09		mg/L	photometric
Conductivity	156	91		uS/cm2	meter
Cyanide, Total	<0.005	<0.005		mg/L	probe
Hardness	78	46		mg/L	calculation
Oil & Grease, Total	<1	<1		mg/L	solvent extraction
pH	7.22	7.93		-	probe
Phosphorous, Total	0.037	0.008		mg/L	photometric
Sulfate	<1	<1		mg/L	turbidimetric
TDS	106	50		mg/L	gravimetric
TSS	9	2		mg/L	gravimetric
Aluminum	0.05	0.05		mg/L	ICP
Cadmium	<0.0001	<0.0001		mg/L	graphite furnace
Calcium	26.7	15.5		mg/L	ICP
Copper	0.0029	0.0009		mg/L	graphite furnace
Iron	0.05	0.16		mg/L	ICP
Lead	<0.0002	<0.0002		mg/L	graphite furnace
Magnesium	1.46	1.81		mg/L	ICP
Molybdenum	<0.002	<0.002		mg/L	ICP
Nickel	<0.02	<0.02		mg/L	ICP
Zinc	<0.01	<0.01		mg/L	atomic absorption
Arsenic	<0.001	<0.001		mg/L	hydride
Mercury	<0.0001	0.0001		mg/L	cold vapour

Notes: TDS denotes Total Dissolved Solids; TSS denotes Total Suspended Solids



### ENVIRONMENTAL TESTING SERVICES

CAEAL Accredited for Specific Environmental Analyses

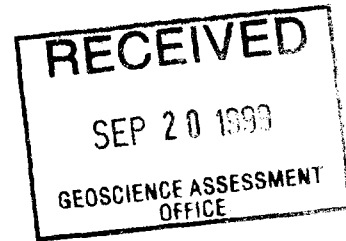
Unit 11-191 Booth Road, RR#5, North Bay, Ontario P1A 4K3 Phone (705) 497-0550 Fax (705) 497-0549





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Geological Evaluation  
of the  
**Markes Zone**  
Jacobson Township  
Goudreau-Lochalsh area  
NE Ontario, Canada

June 22, 1999

prepared for  
**PELE MOUNTAIN RESOURCES INC.**  
Toronto, Canada

2.19753

by  
Paul-Claude Delisle, B.Sc., FGAC



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## **SKETCHES**

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## 1.0 Introduction

The Marques zone was originally discovered in 1937. In 1986-1987, the Esso drill program identified a steeply west-plunging ore shoot. Highlights were<sup>1</sup>:

- 7.68 g/t over 7.15 meters in hole 86-17.
- 6.05 g/t over 7.00 meters in hole 86-18.
- 10.73 g/t over 3.20 meters in hole 86-20.

In the fall of 1998, Pele Mountain Resources drill program confirmed the ore-shoot near the surface. Highlights included:

- 6.35 g/t over 5.30 meters in hole 98-1.
- 17.89 g/t over 2.70 meters in hole 98-4
- 9.56 g/t over 3.55 meters in hole 98-6B.

This drill program also identified some high grade mineralization near the surface, immediately west of the ore-shoot. Highlights were:

- 8.59 g/t over 3.20 meters in hole 98-10.
- 6.80 g/t over 3.40 meters in hole 98-17.
- 7.15 g/t over 4.00 meters in hole 98-19.
- 9.63 g/t over 5.30 meters in hole 08-20.

The 1999 drill program suggested that the high graded mineralization near the surface is a second ore-shoot, shallowly plunging to the east. Highlights from this drill program were 5.95 g/t over 4.65 meters in 99-2.

At the request of Mr. A. Schefsky, president of Pele Mountain Resources Inc, the writer was commissioned to evaluate the gold content of the Marques zone for an open pit operation. The reserve is estimated at 6,206 tons at 7.80 g/t of gold. Both ore-shoots dip steeply (70°) to the north. A proposed inclined ramp at 15°, starting from the west, will follow the shallowly east-plunging ore-shoot for a strike length of 65.50 meters. This ramp will intercept the steeply west-plunging ore-shoot at 16-meter vertical depth. The stripped ratio is estimated around 2:1 (ore/waste).

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<sup>1</sup> In this chapter, assays are uncut and the width (in meters) is the true width.

## 2.0 Property, location and access

The property comprises 68 contiguous claim blocks totaling 3,156.7 hectares that are situated in Jacobson and Riggs Township in the district of Algoma, Northern Ontario (NTS sheet: 42 C/8). The claim blocks (about 20 km long by 1.3 to 5.5 km in width) covers the main deformation zone in the area and comprises four known showings: the «A zone», the «E zone», the **Markes zone** and the **North Markes zone**. This report only investigates the Markes zones.

The property is located some 50 kilometers northeast of Wawa. Access to the property is via paved road up to Dubreuilville which is 73 km drive from Wawa. One uses a wide gravel road, starting just before Dubreuilville, that goes to Edwards mine for about 30 km drive. From there, the road branches off: one goes to Lochalsh, running along the northern boundary of the claims group; the other — a timber road — goes and crosscut the southwest part of the claims group.

## 3.0 Regional geology and gold producers

The Markes zone is part of the regional Goudreau-Lochalsh deformation zone (GLDZ). The GLDZ is approximately 4.5 km in width and has been traced for at least 37 km from the town of Missanabie (14 km west of the property) to Gutcher lake ( 23 km east of the property) . It strikes N070 (to the west end) to N090 (to the east end) in a gentle arcuate form (Arias & Heather 1987). All gold mines and showings (quartz veining) are spatially related to the GLDZ surrounding one large (about 150 meters in width) relatively undeformed gabbroic dike. From west to east, these past and present mines are:

- ▶ **Magino Mine** (10.5 km west of Markes zone) currently held by Golden Goose Resources Inc. The host is an elliptical felsic intrusion, called the Webb Lake stock (Heather 1992). The mine produced 8,776 ounces of gold and 856 ounces of silver from 1934-1939 (Heather 1992). The mine re-opened from 1988-1992, producing 101,948 ounces of gold (at 4.6 g/t). All reserve now stands for 20.5 millions tonnes grading 1.7 g/t gold (Stockhouse 1998). The company envisages an open pit operation when the price of gold improves.
- ▶ **Kremzar Mine** (8.5 km west of Markes zone) currently owned by Patricia Mines Inc and Aur Resources Inc. The Kremzar property contains at least two mineralized zones. The past producing *Kremzar Mine* (the mine produced 46,798 ounces of gold from 1988- 1990), hosted by mafic intrusive rock (Heather 1992), contains an inferred resource of 656,700 tonnes grading 7.0 g/t gold. The *Island Gold zone*, hosted by felsic volcanic rocks, contains a measured and indicated resources of 408,000 tonnes grading 6.4 g/t gold and an additional inferred resource of 475,000 grading 6.6 g/t gold (Patricia Mine 1999).

- ▶ **Edwards Mine** (2.6 km west of Marques zone) that is held by VenCan Gold Corporation, is currently operated by River Gold Mines Ltd since 1996. Within few tens of meters, the property contains three mineralized zones hosted by mafic volcanic rocks, mafic intrusive rocks and QFP dikes (Heather 1992). Proven and probable reserve at the end of 1998 stands for 80,600 tonnes grading 23.87 g/t gold in the *Carbonate zone*, 54,700 tonnes at 14.82 g/t gold in the *Porphyry zone* and 11,300 tonnes at 14.35 g/t gold in the *Shaynee zone* (River Gold Mine 1999).
- ▶ **Cline Lake Gold Mine** (1.6 km west of Marques zone) currently owned by Cline Development Corporation. The mine produced 63,328 ounces of gold and 10,598 ounces of silver from 1938-1942 and 1947-1948 (Heather 1992). The host rocks are mafic and felsic volcanic rocks, mafic intrusive rocks and intermediate to felsic dikes. The gold-bearing quartz veins crosscut all the above rock types (Heather 1992).

The GLDZ is composed of several, narrow, brittle to brittle-ductile zones, subparallel to stratigraphy, within 2 km in width (Arias & Heather 1987) in the Godin Lake area. The Marques zones (as well as the Edward Mine and Cline Lake Gold Mine) is located directly south of the gabbroic dike (see chapter 5.0).

## 4.0 Marques zone

### 4.1 Geological setting

The Marques zone has been intensely worked by Esso Minerals Canada in 1986-1987. The 3 to 40 meters wide dextral<sup>2</sup> zone that consists of numerous and discrete shears cuts all rock types (Heather 1992). Both mineral lineations and minor shear fold axes plunge shallowly from 10° to 40° to the east (Heather 1992).

The N090-trending, north-dipping (70°) Marques zone is well stripped over a strike length of 60 meters. To the ultimate west end, the width is 4.5 meters but quickly widens out to 10 meters after 12 meters heading to the east (Sketch 1). Recent stripping in the fall of 98 to the east indicates that the zone still carries on at the surface up to the first trench (Sketch 2); however a wide swamp hides the west extension. To date, the Marques zone has a known strike length of 115 meters.

The Marques zone consists of sheared pillowed basalt displaying strong calcite-carbonatization, moderate chloritization, weak tourmalinization and locally strong silicification, sericitization and pyritization. The zone is surrounded by felsic intrusive rocks to the north and relatively undeformed pillowed basalt to the south. Pillows are typically 30 to 100 cm in diameter and are locally vesicular

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<sup>2</sup> Some high angle quartz veins crosscutting the Marques zone show apparent dextral offset.

and rarely variolitic. The pillow rims when preserved in the shear zone are stretched, parallel to the shearing. The zone also comprises a narrow sulphide iron formation (Po-Py-Zn-Cp) that is interbedded with the pillowed basalt to the east, near the hanging wall. The drilling (86-22, 86-23 and 37-1, among others) to the far west end indicates that the host at depth is now the quartz porphyry. At depth, drill logs also suggest that the shear zone widens to 28.50 meters (true width).

## 4.2 Gold mineralization

Gold mineralization is intimately associated with three styles of quartz setting:

- ▶ Brecciated siliceous zone exhibiting sericitized fragments that are immersed in medium grey quartz (matrix). The fragments contain 1 - 2% of very fine-grained tourmaline needles.
- ▶ Silica-flooded zone. It consists of almost pure quartz with rare fragments containing tourmaline.
- ▶ Silicified volcanic breccia.

These brecciated quartz settings often blend together and it is sometimes difficult to distinguish one from the other. The mineralized zones are filled with light grey to white quartz material in the form of veinlets, pods, contorted stringers and crosscutting stringers, mainly in an anastomosing pattern. Some tension gases are noticed within the quartz veinlets itself. Multi phases of quartz occur in a progressive shearing as suggested by some contorted stringers. At the surface, the predominated anastomosing stringers are parallel to shearing. These stringers are abundant west of hole MX98-12 up to the swamp. Two obvious brecciated siliceous pods stand out at the footwall as shown on the surface map (Sketch 1).

The main visual ore sulphide is a fine- to coarse-grained disseminated pyrite, up to 12%. Fine-grained gold is apparently fairly common even if it was rarely seen in the core (only noticed in hole 98-4): a rock sample taken by Pele Mountain during some surface blasting in 1999 showed several fine-grained specks of visible gold (Schefsky, personnel communication, 1999). Duplicate and reject assaying are very consistent with the original assay, confirming the fine-grained nature of gold in the deposit (Table 8). High graded gold is always associated with the pyritized and brecciated quartz. When quartz is absent, the zone is usually low grade in gold but it might contain some sections of medium graded gold pockets. When the quartz breccia is lacking in pyrite, gold is usually absent.

The drill program in 1999 brought some additional information about the Marques zone to the east end (holes 99-3, 99-4, 99-9 to 99-11):

1. The shear zone trends now at N075 as well as the lithological units.

2. The Marques zone is now a «fracture-type» that still trends at N090 crosscutting all the lithological units.
3. The siliceous/sericite breccia appears to be a strongly altered felsic dike.
4. The «fracture-type» demarcate the south contact of the Marques zone in the stripped area for a strike length of 44 meters and than continues N270 (west of holes 98-17), splitting up with the south contact where the shear zone gets narrower (Sketch 1).

The shape of the mineralized zone, at the surface, is an east-dipping, shallow inclined «Y» where the base faces to the west. The top of the Y-shaped zone is called the **North Zone** and the **South Zone**. When the Marques zone divides into two branches, there is a NW-trending gap of 6.5 meters wide of very poor mineralization. Then, the **North Zone** picks up over 14.3 meters but dies out to the east. However, the **South Zone**, after that gap, continues up to the end of the stripping area (Sketch 1). Generally speaking, the last meter of the shear zone before the footwall at the surface, is gold-rich (in the range of 10 grams). In the case that the full length of the shear zone is not mineralized at depth, the mineralized section is mostly attached to the footwall and/or the hanging wall.

#### 4.3 Previous drill programs

The Marques zone has been intensely drilled in the past, consisting of 5,912.27 meters in 87 drill holes:

- ▶ In 1937, **Erie Canadian Mine** drilled 10 holes totaling 790.45 meters (holes 37-1 to 37-8, 37-10 and 37-11; hole 37-5 is missing in the MNDM file).
- ▶ In 1981, an unknown company drilled 1 hole for 72 meters (hole 81-16).
- ▶ In 1986-1987, **Esso Minerals Canada** drilled 25 holes totaling 2,098.18 meters (holes 86-17 to 86-27, 86-29 to 86-30, 87-28, 87-32 to 87-41).
- ▶ In 1996- 1999, **Pele Mountain Resources** drilled 51 holes amounting 2,951.64 meters (holes 96-1, 96-2 and 96-4; holes 97-1 to 97-4, 97-11 to 97-21; holes 98-1 to 98-22 and holes 99-1 to 99-11).

The good results of the drill program in 1937 are likely what brought Esso to the Marques zone. In 1986, their drill program intercepted, right at the beginning of the project (holes: 86-17, 86-18, 86-20 and 86-24), a steeply west-plunging ore-shoot. Then, Esso tested the depth extension of the ore-shoot with hole 86-31 and cross holes 86-23 (drilled to the north) and 86-30 (drilled to the south) without much success. Esso moved to the east of the Marques zone where again the results were



disappointing. Finally, hole 87-42 tested a presumed sinistral offset of the Marques zone without more success.

The main target of the drill program in 1997 (2,510 meters of drilling) was to test a possible steeply east-plunging ore-shoot instead of a west-plunging one. The results negated this hypothesis. In 1998, the drill program (204.64 meters of drilling) concentrated in the ore-shoot to outline 500 tons of ore for a bulk sample. The author was involved in the project from the end of MX98-4 to MX98-22 (Table 1). In 1999, the drill program (237 meters of drilling) was aimed at outlining ore for an open pit operation to a vertical depth of 15 meters (Table 2).

#### 4.4 Longitudinal section

To better address a longitudinal section, a two-day field trip in May 1999 at the Marques zone was organized to locate the drill collars and trenches (Sketch 2). The visit also included re-sampling the shear zone intersected in some Esso holes (86-17, 86-19 to 86-21), the completion of some core sample of holes drilled in 1998 and five surface samples (Table 3). The re-sampling program of some previous Esso holes confirmed the Esso assaying (Table 4).

During the field trip, the author found three vertical drilled holes but their location is unrelated to previous drill holes. According to the log description, the author thinks that hole 96-2 (6.32 grams/13.5 meters) might be 60 cm south of MX98-4, hole 96-1 (5.56 grams/2.43 meters), right beside MX98-15 and hole 96-4, set up 20 meters north of the Marques zone on the sulphide iron formation (Sketch 1).

Two holes drilled in 1997 (97-11 and 97-12) are missing in the field. During the last drill program, the driller who was involved in the drill program in 1997 showed to the author the location of these holes. Hole 97-12 was located in a little pond but hole 97-11 (west of 86-21) that was drilled near the swamp is still missing. However, the driller showed another hole east of the old trench (13+70W, 0+30N on Sketch 2). Could it be hole 97-11?

All the casings sit on flat land (around or in the swamp), except hole 86-31 which is about 20 meters up a hill (Sketch 2). Consequently, its pierced point was plotted 20 meters higher on the longitudinal section.

Most of the holes drilled in 1998 targeted only the North Zone or the South Zone or part of the South Zone. Only holes 98-1, 98-4, 98-6A/B, 98-7B, 98-8 and 98-22 went through the whole shear zone.

A longitudinal section under the stripping area comprising most of all known drill holes (Table 5 and 6) was generated at the scale of 1:500 (Sketch 3). This longitudinal section doesn't take into account the North zone nor holes that partially drilled the zone. Another longitudinal section near the surface

was also generated at the scale of 1:200 (Sketch 4). This longitudinal section includes holes that have partially drilled the zone.

On the longitudinal sections (Sketch 3 & 4), the high-graded material having a good width forms a «X» shape where one leg plunges steeply to the west and the other, shallowly to the east.

- ▶ The steeply west-plunging ore-shoot is estimated to be 45-60 meters deep by 25 meters in length and about 4.45 meters in width. It appears open at depth, passing between the pierced point of holes 86-30 and 86-31. The plunge of this ore-shoot is in accordance with the plunge of mineral lineation, i.e. perpendicular ( $80^\circ$  W) to the plunge of mineral lineation.
- ▶ The shallow east-plunging ore shoot is exposed to the west at the surface and occurs 22 meters deeper to the east over a strike length of 55 meters. Hole 37-6 in the eastern extension of the ore-shoot indicates that the ore-shoot end between holes 99-2 and 37-6.

The reserve is estimated at 6,206 tons at 7.80 g/t of gold. Both ore-shoots dip steeply ( $70^\circ$ ) to the north. A proposed inclined ramp at  $15^\circ$ , starting from the west, will follow the shallowly east-plunging ore-shoot for a strike length of 65.50 meters. This ramp will intercept the steeply west-plunging ore-shoot at 16-meter vertical depth (Sketch 5, Table 7). The stripped ratio is estimated around 2:1 (ore/waste).

## 5.0 Airborne vertical gradient magnetic survey

To better understand the structural setting of the Goudreau-Lochalsh greenstone belt, Pele Mountain Resources purchased the airborne second vertical derivative of total magnetic intensity map (Gupta 1991) from Paterson, Grant & Watson in 1999. The survey shows two east-trending consistent high magnetic units (gabbro dike), broken up by many NNW-trending dextral faults. These dextral offsets that vary from 10 to 140 meters in strike length are believed to be late, related to the emplacement of diabase dikes. There is only one NNW-trending sinistral fault, called the Godin Fault, that occurred on the property. This fault is believed to be related to the GLDZ, because a dextral strike-slip deformation in the Riedel shear system — like the structural deformation that occurred at GLDZ — would create a sinistral NNW-trending fault. In fact, several major NNW-trending sinistral faults are recognized within the belt (see figure 37.3, Heather & Buck 1988) and these faults are the host of some gold mineralization (see figure 024.1, Heather & Arias 1987).

The survey has limited applications: only the NNW-trending faults are obvious. The author suspects the presence of some folding and some earlier NE-trending faults but they appear to be masked by the abundant NNW-trending faults.

On the airborne vertical gradient geophysical (Gupta 1991), the Marques zone is located south of the southern gabbroic dike<sup>3</sup>. However its location on the geophysical map is approximate (within an 80-meter radius of the designated point). This zone (ECMZ) goes up to the Cline and Edwards Mine to the west. To the east, the zone follows the creek and the swamp up to the Godin Lake where it passes under the lake, being slightly exposed on the peninsula.

So far, the Marques zone can be traced at the surface and by drilling over 115 meters of strike length from the swamp to the first trench (Sketch 2) and then the zone disappears to the east. Drill log interpretation suggests that there is a possible fault between the first and second trench (around BL0, 13+40W in Sketch 2) where a quartz-gabbro (intersected in holes 37-7, 87-40, 86-27, 87-32 to 87-35 and 81-14) is now dextrally offset by about 30 meters (only holes 86-26, 37-11, 87-41, 86-31, 37-10 and 86-30 has intersected the quartz gabbro). The airborne geophysical indicates the presence of a fault near that location but without no obvious displacement. The Marques zone is now assumed to be directly south of the baseline that is coincidental with two IP anomalies located on lines 13W and 12W.

To the west, the airborne geophysical shows no obvious displacement for a strike length of 130 meters. It is assumed that the Marques zone continues to the west. Only one hole (37-8) was collared to the west of the stripped area. This hole intersected a gabbroic unit instead of the Marques zone. This gabbro is believed to be a later dike crosscutting the Marques zone and consequently the zone should continue to the west.<sup>4</sup>

## 6.0 Conclusions and recommendations

The Marques zone comprises the superposition of two ore-shoots related to two different styles of deformation:

- ▶ Steeply west-plunging ore-shoot associated with earlier shear zone.
- ▶ Shallowly east-plunging ore-shoot associated with late fracturing.

Despite the two different structural settings, gold mineralization, for both ore-shoots, is mainly associated with the quartz breccia.

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<sup>3</sup> The «A zone» is located directly north of the northern gabbroic dike.

<sup>4</sup> It is recognized in the Wawa area that late gabbro, diorite, diabase and lamprophyre dikes often crosscut the mineralized zones. These dikes trend mainly NNW except the lamprophyre dikes that occur in all directions.

The reserve is estimated at 6,206 tons at 7.80 g/t of gold. Both ore-shoots dip steeply (70°) to the north. A proposed inclined ramp at 15°, starting from the west, will follow the shallowly east-plunging ore-shoot for a strike length of 65.50 meters. This ramp will intercept the steeply west-plunging ore-shoot at 16-meter vertical depth. The stripped ratio is estimated around 2:1 (ore/waste).

The chance to extend these ore-shoots along the strike are very slim. However, the potential of finding some gold deposit(s) on the property is excellent. The purchase of the gradient magnetic survey had allowed the author to visualize that the Edwards Mine, the Cline Lake Gold Mine and the Markes zone sit on the same structure (ECMZ), i.e. immediately south of a major east-trending gabbroic dike. The survey also identified numerous NW-trending faults that displaced the ECMZ<sup>5</sup>.

Most ground geophysical surveys (mag, VLF and IP survey) carried out on the property have never covered the favorable gold-bearing ECMZ. Ground geophysics covering the favorable gold-bearing corridor is recommended over the Godin lake during the winter.

It is also recommended to survey the previous drill holes for the open pit because, west of hole 98-1, the outcrop slopes toward the swamp for about 5 meters in elevation. Some blocks outlined for reserve (blocks 1, 2 and 3 in Sketch 5) will fall into the emplacement of the ramp.

Finally, it is recommended to locate the Markes zone using the GPS. The reading will allow the company to pin point precisely the Markes zone on the airborne geophysical map.

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<sup>5</sup> This survey will also help to extend laterally the «A zone».

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## CERTIFICATE

I, **Paul-Claude Delisle** of the city of Wawa, in the province of Ontario, do hereby certify that:

1. I am a Consulting Geologist residing at 112 Broadway Avenue, Wawa, Ontario.
2. I have practised my profession continuously since graduating from the Université du Québec à Montréal with a B.Sc. in Geology in 1982.
3. I am a registered member of Prospectors and Developers Association of Canada.
4. I am a fellow of Geological Association of Canada.
5. I have not received nor do I expect to receive any interest, direct or indirect, in the property described in this report, nor do I own or expect to own any securities of **Pele Mountain Resources Inc** or any affiliate thereof.
6. I am the author of the report entitled «**Geological Evaluation of the Markes zone, Jacobson Township, Goudreau-Lochalsh area, NE Ontario, Canada** », dated June 22, 1999.
7. My role as the author of this report is based solely on compilation work and taking part in the drill program done in 1998 and 1999.

DATED at Wawa, Ontario, this 23 day of June, 1999.



*Paul-Claude Delisle*  
Paul-Claude Delisle, B.Sc. FGAC

## **TABLE 1**

## 1998 drill results from the Markes Zone

Hole number	location	dip	length (m)	Interval (m)	North Zone	Interval (m)	South Zone	Interval (m)	Markes Zone
MX98-1	14+643W, 0+362N	-70	17.75	0-0.7	2.59/0.7	7.3-13.49	6.35/6.19	0-13.49	3.45/13.49
MX98-2	14+595W, 0+371N	-70	7.87	1.33-4.3	5.98/2.97		hole to short		
MX98-3	14+546W, 0+365N	-60	6.42	0-2.5	7.09/2.5		hole to short		
MX98-4	14+50W, 0+37N	-60	14.69	0-2.2	7.31/2.2	9.13-12.68	17.89/3.55	9.13-13.18	16.09/4.05
MX98-5	14+456W, 0+371N	-65	7.85	0.4-1.75	0.98/1.71		hole to short		
MX98-6A	14+401W, 0+362N	-70	14.14	0-0.39	2.09/0.39	7.52-9.98	6.01/2.46	7.52-11.51	4.37/3.99
MX98-6B	14+401W, 0+362N	-45	11.27	0-0.14	4.53/0.14	5.32-9.46	10.78/4.14	5.32-10.21	9.56/4.89
MX98-7A	14+353W, 0+375N	-70	4.64		no zone		hole to short		
MX98-7B	14+353W, 0+375N	-45	13.23		no zone	6.67-10.28	3.77/3.61	3.07-10.78	2.5/7.71
MX98-8	14+29W, 0+371N	-45	13.39		no zone	9.51-10.92	11.4/1.41	9.51-11.83	7.5/2.32
MX98-9	14+236W, 0+388N	-45	8.20	2.45-3.11	2.74/0.66		hole to short		
MX98-10	14+739W, 0+337N	-45	10.39		N/A	0.9-4.18	10.91/3.28	0-4.18	8.59/4.18
MX98-11	14+643W, 0+262N	-45	4.56		N/A		N/A		
MX98-12	14+643W, 0+287N	-90	8.83		N/A	0.49-6.15	4.77/5.66	0-7.8	3.78/7.8
MX98-13	14+546W, 0+286N	-90	7.63		N/A	0-4.75	1.25/4.75	0-7.63	1.17/7.63
MX98-14	14+541W, 0+286N	-45	3.12		N/A	0-2.36	6.47/2.36		
MX98-15	14+463W, 0+312N	-45	4.43		N/A	0.3-3.73	7.59/3.43		
MX98-16	14+829W, 0+337N	-45	4.27		N/A	0-3.1	4.64/3.10		
MX98-17	14+693W, 0+262N	-35	5.65		N/A	0.67-5.67	6.8/5		
MX98-18	14+593W, 0+287N	-45	3.08		N/A		traces		
MX98-19	14+693W, 0+292N	-38	7.10		N/A	0-7.1	7.15/7.1		
MX98-20	14+739W, 0+349N	-75	9.12		N/A	0-8.11	9.63/8.11		
MX98-21	14+628W, 0+359N	-23	10.10	0-0.75	8.64/0.75	3.05-8.93	2.81/5.88		
Mx98-22	14+784N, 0+362N	-35	6.91		N/A	0-5.53	4.03/5.53		
<b>TOTAL</b>			<b>204.64</b>						



**TABLE 2**

## 1999 drill results from the Markes Zone

Hole number	location	dip	length (m)	Interval (m)	North Zone	Interval (m)	South Zone	Interval (m)	Markes Zone
99-1	14+323W, 0+407N	-45	18.00	8.85-9.75	1.64/0.9	15.6-16.09	14.16/0.49		
99-2	14+323W, 0+415N	-70	30.00	11.9-14.25	2.6/2.35	16.25-19.92	8.2/3.57	16.25-23.52	5.9/7.17
99-3	14+228N, 0+404N	-45	18.00			13.88-15.11	14.82/1.23		
99-4	14+228N, 0+367N	-37.5	15.00			10.15-11.45	4.56/1.34		
99-5	14+563W, 0+398N	-45	27.00	5.35-7.95	7.6/2.6	11.53-13.21	6.52/1.68	5.35-13.21	4.1/7.86
99-6	14+563W, 0+403N	-65	30.00	5.53-8.53	4.45/3	14-15.46	8.35/1.96	5.53-15.46	3.5/9.93
99-7	14+758W, 0+402N	-45	18.00			10.33-13	3.31/2.67	7.66-13	1.87/5.34
99-8	14+813W, 0+391N	-37.5	15.00	4.9-6.26	3.81/1.36	10.47-11.3	6.92/0.83		
99-9	14+092W, 0+396N	-40	15.00			8.51-12	2.4/3.49		
99-10	14+092W, 0+404N	-65	27.00			16-17.56	6.56/1.56	13.2-17.56	5.16/4.36
99-11	13+909W, 0+404N	-45	24.00			14.2-15.53	0.14/1.33		
<b>TOTAL</b>			<b>237.00</b>						

**TABLE 3**

## Re-sampling program of some previous Esso holes

Sample number	location	comment	sample interval (in meter)	width (meter)	assay (g/t)
1974	86-17	zone	18.2-19.39	1.19	27.82
1975	86-17	zone	19.39-20.58	1.19	1.2
1976	86-17	zone	20.58-22.07	1.49	1
1977	86-17	zone	22.07-22.96	0.89	0.68
1978	86-17	zone	22.96-24.15	1.19	0.64
1979	86-17	zone	24.15-25.34	1.19	1.28
1980	86-17	zone	25.34-26.55	1.21	20.52
1981	86-17		26.55-27.43	0.88	4.32
1982	86-17		27.43-29.57	2.16	1.2
1983	86-19	HW	15.73-17.07	1.34	0.24
1984	86-19		17.07-18.44	1.37	0.08
1985	86-19		18.44-19.81	1.37	0.1
1986	86-19		19.81-21.18	1.37	0.08
1987	86-19		21.18-22.55	1.37	0.1
1988	86-19	FW	22.55-23.93	1.38	0.64
1989	86-20	HW	23.07-24.29	1.22	10.36
1990	86-20	HW	24.29-25.51	1.22	5.58
1991	86-20	HW	25.51-26.73	1.22	4.74
1992	86-20	HW	26.73-27.95	1.22	14.9
1993	86-20		27.95-29.28	1.33	0.16
1994	86-20		29.28-30.61	1.33	0.18
1995	86-20		30.61-31.94	1.33	0.14
1996	86-20		31.94-33.28	1.34	0.62
-	86-21	no core	11.49-12.77	1.28	
1997	86-21	HW	12.77-14.08	1.31	2.02
1998	86-21	HW	14.08-15.39	1.31	1.52
1999	86-21		15.39-16.67	1.26	1.16
2000	86-21		16.67-17.92	1.27	1.66
2001	86-22	HW	19.08-20.42	1.34	2.5
2002	86-22	HW	20.42-21.76	1.34	1.17
2003	86-22		21.76-23.15	1.39	0.24
2004	86-22		23.15-24.54	1.39	0.72
2005	86-22		24.54-25.93	1.39	0.1
2006	86-22		25.93-27.32	1.39	0.08
2007	86-22		27.32-28.71	1.39	0.32
2008	86-22		28.71-30.11	1.4	0.1
2009	13+88W, 0+23S	old pit (FW)	chip sample	1.5	0.14
2010	11+65W, 0+12S	trench	grab sample		0.62
2111	14+26W, 0+28S	wall (FW)	chip sample	1	4.22
2112	14+26W, 0+29S	wall (FW)	chip sample	1	0.1
2113	14+26W, 0+30S	wall (FW)	chip sample	1	0.18

**TABLE 4**

**Comparison with assaying (1986/1999) for some Esso holes**

hole number	sample interval ( in meters)	1986	1999 (gram/meter)	combine 1986/1999	result (gram/meter)
86-17	18.2-26.55	7.74/8.35	7.63/8.35	7.68/8.35	7.68/8.35
86-17	26.55-27.43	6.17/0.88	4.32/0.88	5.25/0.88	7.49/9.23
86-17	27.43-29.57	-	1.2/2.14		
86-17	29.57-30.02	4.8/0.45	-		6.22/11.82
86-19	15.73-17.07	3.69/1.34	0.24/1.34	1.97/1.34	1.97/1.34
86-19	17.07-22.55	traces	traces		
86-19	22.55-23.93	2.74/0.76	0.64/1.38		
86-20	23.07-27.85	12.55/4.88	8.9/4.88	10.73/4.88	10.73/4.88
86-20	27.85-31.94	traces	traces		
86-20	31.94-33.28	2.74/0.76	0.62/1.34		
86-21	12.77-15.39	3.14/2.9	1.77/2.62	2.46/2.9	
86-21	15.39-17.92	0.86/2.53	1.41/2.53	1.14/2.53	1.94/5.15
86-22	19.08-21.76	2.08/2.68	1.84/2.68	1.96/2.68	1.96/2.68
86-22	21.76-30.11	traces	traces		

**TABLE 5**

**MARKES ZONE LONGITUDINAL (holes prior 1998)**

hole	section	vertical depth	zone interval (m)	grade (gram/width)	true width	zone	gold content (grams x true width)	comment
97-11	?	15.00	14.66-24.8	3.71/0.71	0.40	NZ	1.48	
37-8	15+18W		no zone					
37-2	14+91W	10.00	28.83-34.47	4.64/2.07	1.85	NZ	5.58	incomplete sampling
86-23	14+89W	43.50	50.29-64.31	4.09/2.17	2.00	NZ	8.18	
86-30	14+89W	79.00	80.16-104.45	0.34/0.55	0.50		0.17	
86-21	14+83W	10.50	11.49-17.92	3.14/2.9	2.70	NZ	8.48	
86-22	14+83W	19.00	19.08-30.11	1.96/2.68	1.50	NZ	2.94	
86-31	14+72W	113.50	122.86-158.34	-				
37-1	14+70W	21.00	28.83-38.1	16.74/1.64	1.50	NZ	25.11	incomplete sampling
37-10	14+68W	55.00	76.6-82.11	9.65/2.83	2.60	NZ	25.09	
86-19	14+66W	11.70	15.73-23.93	1.97/1.34	1.30	NZ	2.56	
86-20	14+66W	24.50	23.07-33.28	10.73/4.88	3.20	NZ	34.34	ore-shoot
97-1	14+60W	61.50	57.75-67.7	8.7/2.5	1.60	SZ	13.92	incomplete sampling
97-2	14+60W	79.00	76.5-88.75	1.12/0.5			0.56	incomplete sampling
86-24	14+50W	43.50	46.94-54.5	8.18/4.51	4.30	SZ	35.17	ore-shoot
86-25	14+50W	71.50	73.27-86.26	1.09/0.89	0.60	NZ	0.65	
96-2	14+50W	7.25	0.5-14	6.32/13.5	7.00	Full	44.24	incomplete sampling
86-17	14+47W	17.50	18.2-26.55	7.68/8.35	7.15	Full	54.91	ore-shoot
86-18	14+47W	33.50	28.65-40.02	6.05/11.37	7.00	Full	42.35	ore-shoot
87-41	14+46W	108.50	118.7-126.67					
96-1 (?)	14+45W	3.30	0.57-2.43	3.35/5.93	2.00	SZ	6.70	
97-18	14+28W	44.00	50.44-55.65	6.03/3.35	2.85	SZ	17.15	
37-3	14+24W	33.50	36.52-42.21(?)	3.26/5.69	5.40	Full	17.60	
37-11	14+13W	56.00	?	4.11/0.61	0.57		2.34	incomplete sampling
37-4	14+13W	32.00	39.17-44.65 (?)	2.64/5.48	5.15	Full	13.60	
97-12	14+08W	48.00	50.48-52.24	1.08/1.75	1.40	SZ	1.51	
86-26	13+86W	64.50	66.93-73.06	1.37/0.55	0.40		0.55	
37-6	13+82W	33.00	38.62-52.58	1.62/3.44	3.00	NZ	5.58	
37-7	13+66W	46.50	50.23-74.52	-				



**TABLE 6**

**MARKES ZONE LONGITUDINAL (holes in 1998 / 1999)**

hole	section	vertical depth	zone interval (m)	grade (gram/width)	true width	zone	gold content (grams x true width)	comment
98-16	14+829W	1.00	0-3.1	4.64/13.1	1.80	SZ	13.00	
98-22	14+784W	1.50	0-5.53	4.03/5.53	6.50	SZ	26.20	
98-10	14+739W	1.50	0-4.18	8.59/4.18	3.20	SZ	27.49	ore shoot
98-20	14+739W	4.00	0-8.11	9.63/8.11	5.30	SZ	51.04	ore shoot
98-17	14+693W	1.70	0.67-5.67	6.8/5	3.40	SZ	23.12	ore shoot
98-19	14+693W	2.20	0-7.1	7.15/7.1	4.00	SZ	28.60	ore shoot
98-12	14+643W	4.00	0-7.8	4.77/5.66	1.50	SZ	7.12	
98-1	14+643W	10.00	4.45-13.49	6.35/6.19	5.30	SZ	33.66	ore shoot
98-21	14+63W	2.20	3.05-8.93	2.81/5.88	5.88	SZ	16.52	
98-18	14+593W	0.90		traces		SZ	nil	
98-13	14+546W	3.70	0-7.63	1.17/7.63	1.90	SZ	2.22	
98-14	14+541W	0.80	0.2-2.36	6.47/2.36	1.90	SZ	12.29	
98-4	14+50W	9.40	9.13-12.68	17.89/3.55	2.70	SZ	48.30	ore shoot
98-15	14+463W	1.30	0.3-3.73	7.59/3.43	3.10	SZ	23.53	ore shoot
98-6A	14+401W	8.20	7.52-11.51	4.37/3.99	1.80	SZ	7.87	
98-6B	14+401W	5.20	5.32-10.21	9.56/4.89	3.55	SZ	33.94	ore shoot
98-7B	14+353W	8.00	6.67-10.28	3.77/3.61	2.95	SZ	11.12	
98-8	14+29W	7.20	9.51-10.92	11.41/1.41	1.70	SZ	12.75	
99-8	14+813W	6.50	10.33-13	3.31/2.67	2.65	SZ	8.77	
99-7	14+758W	8.20	10.47-11.3	6.92/0.83	0.50	SZ	3.46	
99-5	14+563W	8.50	11.53-13.21	6.52/1.68	1.60	SZ	10.43	
99-6	14+563W	13.10	14-15.46	8.35/1.96	1.75	SZ	14.61	
99-1	14+323W	11.10	15.6-16.09	14.16/0.49	0.25	SZ	3.54	
99-2	14+323W	18.50	16.25-23.52	5.95/7.17	4.65	SZ	27.67	
99-3	14+228W	10.40	13.88-15.11	14.82/1.23	1.10	SZ	16.30	
99-4	14+228W	6.00	10.15-11.45	4.56/1.34	1.15	SZ	5.24	
99-9	14+092W	6.50	8.51-12	2.4/3.49	3.20	F	7.68	
99-10	14+092W	15.10	16-17.56	6.56/1.56	1.05	SZ	6.89	
99-11	13+909W	10.60	14.2-15.53	-		SZ	-	

**TABLE 7**

**ESTIMATED TONNAGE FOR THE MARKES ZONE**

Block	length (m)	high (m)	width (m)	density	tons	cumulative (tons)	grade (g/t)	tons by grade	cumulative (tons by grade)
1	2.00	3.00	6.50	2.7	105.3	105.3	4.03	424.4	424.4
2	4.40	7.60	6.50	2.7	586.9	692.2	9.10	5,340.8	5765.2
3	4.70	10.00	7.50	2.7	951.8	1644	7.00	6,662.6	12427.8
4	2.50	12.50	4.80	2.7	405	2049	4.91	1,998.6	14426.4
5	10.20	3.50	1.75	2.7	168.7	2217.7	8.35	1,408.7	15835.1
6	4.75	1.35	1.75	2.7	30.3	2248	8.35	253	16088.1
7	4.75	1.25	3.28	2.7	52.6	2300.6	8.66	455.4	16543.5
8	9.50	7.50	3.28	2.7	631	2931.6	8.66	5,464.5	22008
9	9.50	5.00	2.70	2.7	346.3	3277.9	17.29	5,987.5	27995.5
10	9.50	9.00	7.15	2.7	1650.6	4928.5	7.68	12,676.6	40672.1
11	15.00	6.00	4.65	2.7	1130	6058.5	5.95	6,723.5	47395.6
12	12.20	2.20	1.60	2.7	116	6174.5	6.52	756.3	48151.9
13	0.60	1.50	1.75	2.7	4.3	6178.8	8.35	35.91	48187.8
14	0.70	7.50	1.75	2.7	24.81	6203.6	8.35	207.2	48395.0
15	0.50	1.10	1.60	2.7	2.4	6206.0	6.52	15.7	48410.7

**TABLE 8**

# Daily Assay Report

CLIENT PELE MOUNTAIN RESOURCES

DATE JUNE 4, 1999

No.	Sample Number	Au g/tonne						
01	1974 CORE	28.72	gold	27.82				
02	"	26.91						
03	1975	1.36		1.20				
04	"	1.04						
05	1976	1.00		1.00				
06	"	1.00						
07	1977	0.64		0.68				
08	"	0.72						
09	1978	0.68		0.64				
10	"	0.60						
11	1979	1.48		1.28				
12	"	1.08						
13	1980	19.20	gold	20.52				
14	"	21.83						
15	1981	4.16		4.32				
16	"	4.48						
17	1982	1.12		1.20				
18	"	1.28						
19	1983	0.24		0.24				
20	"	0.24						
21	1984	0.08		0.08				
22	"	0.08						
23	1985	0.10		0.10				
24	"	0.10						
25	1986	0.08		0.08				
26	"	0.08						
27	1987	0.10		0.10				
28	"	0.10						
29	1988	0.68		0.64				
30	"	0.60						

*Allostad*  
ASSAYER

FROM REJECTS

### Daily Assay Report

CLIENT PELE MOUNTAIN RESOURCES

DATE JUNE 4, 99

No.	Sample Number	Au g/tonne						
01	1989 CORE	9.48	gold	10.36				
02	"	11.24						
03	1990	5.04		5.58				
04	"	6.12						
05	1991	4.52		4.74				
06	"	4.96						
07	1992	14.20	gold	14.90				
08	"	15.59						
09	1993	0.16		0.16				
10	"	0.16						
11	1994	0.20		0.18				
12	"	0.16						
13	1995	0.12		0.14				
14	"	0.16						
15	1996	0.72		0.62				
16	"	0.52						
17	1997	2.12		2.02				
18	"	1.92						
19	1998	1.68		1.52				
20	"	1.36						
21	1999	1.28		1.16				
22	"	1.04						
23	2000	1.64		1.66				
24	"	1.68						
25	2001	2.60		2.50				
26	"	2.40						
27	2002	1.04		1.17				
28	"	1.30						
29	2003	0.28		0.24				
30	"	0.20						

*M. Mostad*

ASSAYER

## Daily Assay Report

CLIENT PELE MOUNTAIN RESOURCES

DATE JUNE 4, 99

No.	Sample Number	Au g/tonne						
01	2004 CORE	0.72		0.72				
02	"	0.72						
03	2005	0.12		0.10				
04	"	0.08						
05	2006	0.08		0.08				
06	"	0.08						
07	2007	0.36		0.32				
08	"	0.28						
09	2008	0.12		0.10				
10	"	0.08						
11	2009	0.12		0.14				
12	"	0.16						
13	2010	0.56		0.62				
14	"	0.68						
15	2011	4.12		4.22				
16	"	4.32						
17	2012	0.12		0.10				
18	"	0.08						
19	2013	0.16		0.18				
20	"	0.20						
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								



ASSAYER



# Daily Assay Report

CLIENT PELE

CHECKS  
RET

DATE JUNE 15, 99

No.	Sample Number	Au g/t	Au g/t			
01	756426 CORE	0.92	1.05			
02	756427	14.65	14.96			
03	756428	0.36				
04	756429	0.12				
05	756430	0.16				
06	756431	0.12				
07	756432	0.32				
08	756433	3.48				
09	756434	1.56				
10	756435	0.40	0.48			
11	756436	0.16				
12	756437	1.64				
13	756438	4.92				
14	756439	3.76				
15	756440	31.65	34.86			
16	756441	0.12				
17	756442	1.36				
18	756443	0.08				
19	756444	12.97	12.94			
20	756445	26.26	22.56			
21	756446	1.88				
22	756447	3.24				
23	756448	0.76				
24	756449	0.40				
25	756450	0.12				
26						
27						
28						
29						
30						

ASSAYER

# Daily Assay Report

CLIENT PELE

REJECTS CHECK

DATE JUNE 17, 99

No	Sample Number	Au g/t	Au g/t				
01	2001 <i>COPE</i>	0.36					
02	2002	8.14	9.56				
03	2003	4.34	3.80				
04	2004	0.96					
05	2005	0.92					
06	2006	0.32	0.28				
07	2007	6.34	6.56				
08	2008	1.60					
09	2009	4.40					
10	2010	1.36					
11	2011	2.92					
12	2012	0.84					
13	2013	0.52					
14	2014	0.40					
15	2015	0.12					
16	2016	3.60	3.40				
17	2017	13.20					
18	2018	0.72					
19	2019	1.92					
20	2020	0.12					
21	2021	0.16					
22	2022	1.16					
23	2023	0.16					
24	2024	1.68					
25	2025	4.64					
26	2026	0.28					
27	2027	4.76	5.16				
28	2028	2.92					
29	2029	4.88					
30	2030	0.84					

ASSAYER

# Daily Assay Report

CLIENT PELE

CATEGORIES  
PEJ

DATE JUNE 17 1998

No.	Sample Number	Au PIT	Au PIT			
01	2031 CORE	0.80				
02	2032	0.08				
03	2033	1.04				
04	2034	0.88				
05	2035	6.92				
06	2036	< 0.04				
07	2037	4.60				
08	2038	1.04				
09	2039	3.16				
10	2040	0.80				
11	2041	0.24				
12	2042	6.24				
13	2043	10.32	10.64			
14	2044	0.28				
15	2045	0.56				
16	2046	4.24				
17	2047	8.88				
18	2048	0.80				
19	2049	0.12				
20	2050	0.08				
21	2051	0.14				
22	2052	0.24				
23	2053	1.60				
24	2054	0.12				
25	2055	0.12				
26	2056	0.16				
27	2057	0.08				
28						
29						
30						

ASSAYER

# Daily Assay Report

CLIENT FELE

CHECKS  
REJ

DATE JUNE 15, 99

No.	Sample Number	Au g/t	Au g/t				
01	756401 CORE	0.72					
02	756402	1.64					
03	756403	0.32					
04	756404 -	< 0.04					
05	756405	0.36					
06	756406	0.76					
07	756407	0.16					
08	756408	0.28					
09	756409	14.16					
10	756410	0.56	0.52				
11	756411	0.08					
12	756412	0.96					
13	756413	0.08					
14	756414	0.16					
15	756415	0.56					
16	756416	5.08					
17	756417	4.04					
18	756418	2.32					
19	756419	0.08					
20	756420	0.88					
21	756421	0.08					
22	756422	0.12					
23	756423	0.08					
24	756424	0.60					
25	756425	0.08					
26							
27							
28							
29							
30							

ASSAYER

**TABLE 9**

99-10  
6.66



2.46/3.49

15.00m

6.56/1.56

27.00m

0+40N

**Pele Mountain Resources Inc**

**SECTION 14+10W**  
(looking east)

Scale 1:200

99-11



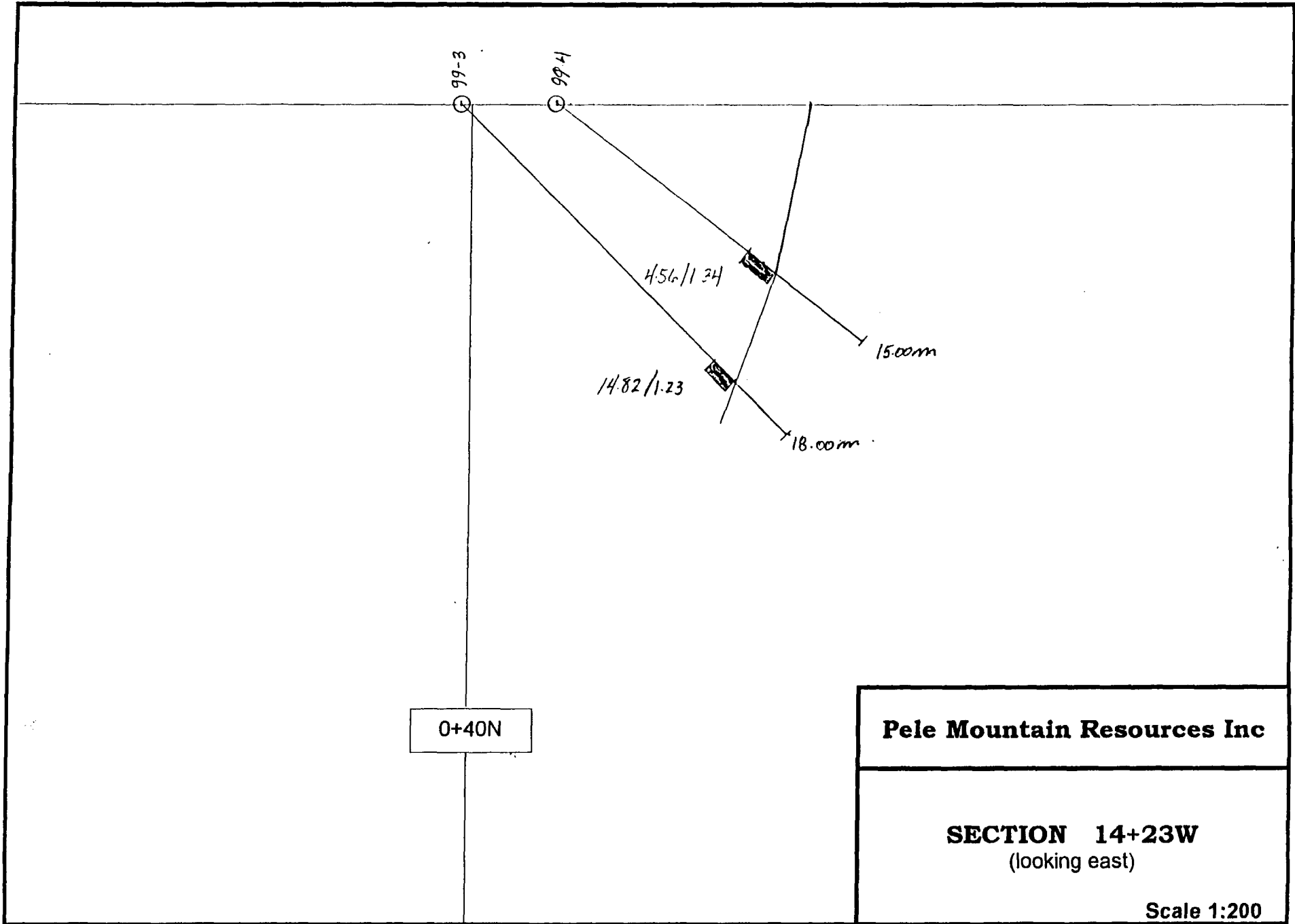
0+40N

24.00m

**Pele Mountain Resources Inc**

**SECTION 13+91W**  
(looking east)

Scale 1:200



0+40N

**Pele Mountain Resources Inc**

**SECTION 14+23W**  
(looking east)

Scale 1:200



9-36

750/232

13.39m.

0+40N

**Pele Mountain Resources Inc**

**SECTION 14+29W**  
(looking east)

Scale 1:200

99-2  
99-1



2.60 | 2.35

1.64 | 0.90

5.20 | 3.57  
5.95 | 7.17

13.28 | 10.90

14.16 | 10.49 118 m

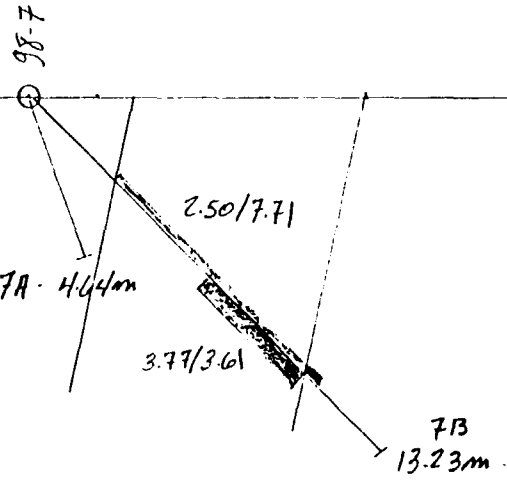
30 m

0+40N

**Pele Mountain Resources Inc**

**SECTION 14+32W**  
(looking east)

Scale 1:200

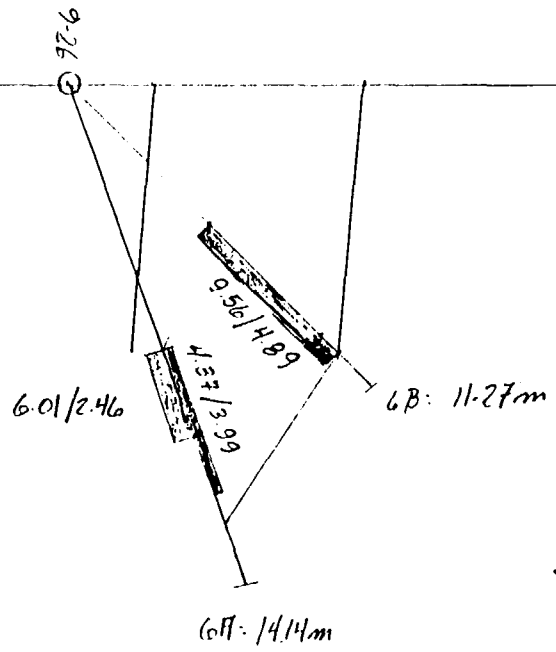


0+40N

**Pele Mountain Resources Inc**

**SECTION 14+35W**  
(looking east)

Scale 1:200

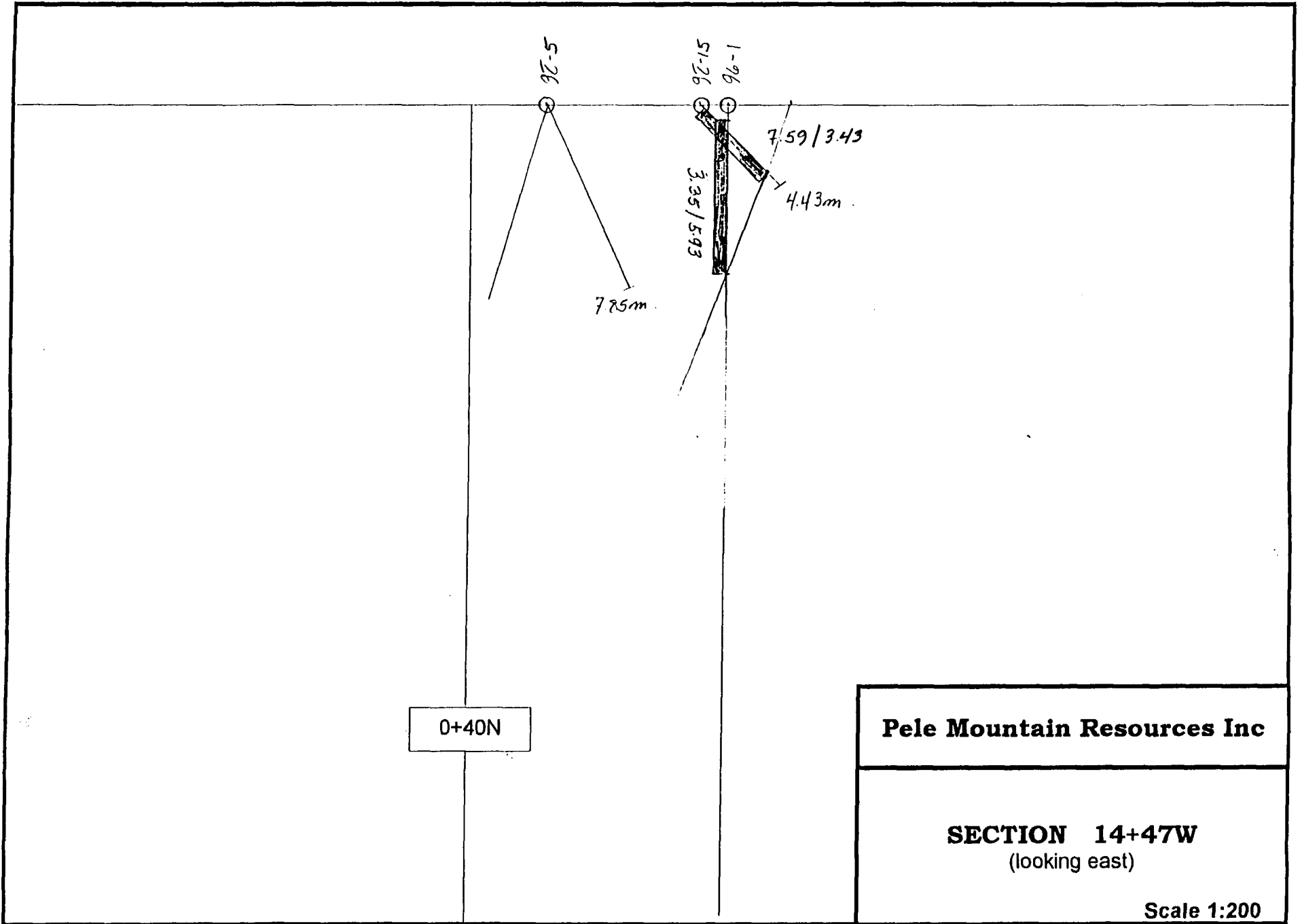


0+40N

**Pele Mountain Resources Inc**

**SECTION 14+40W**  
(looking east)

Scale 1:200

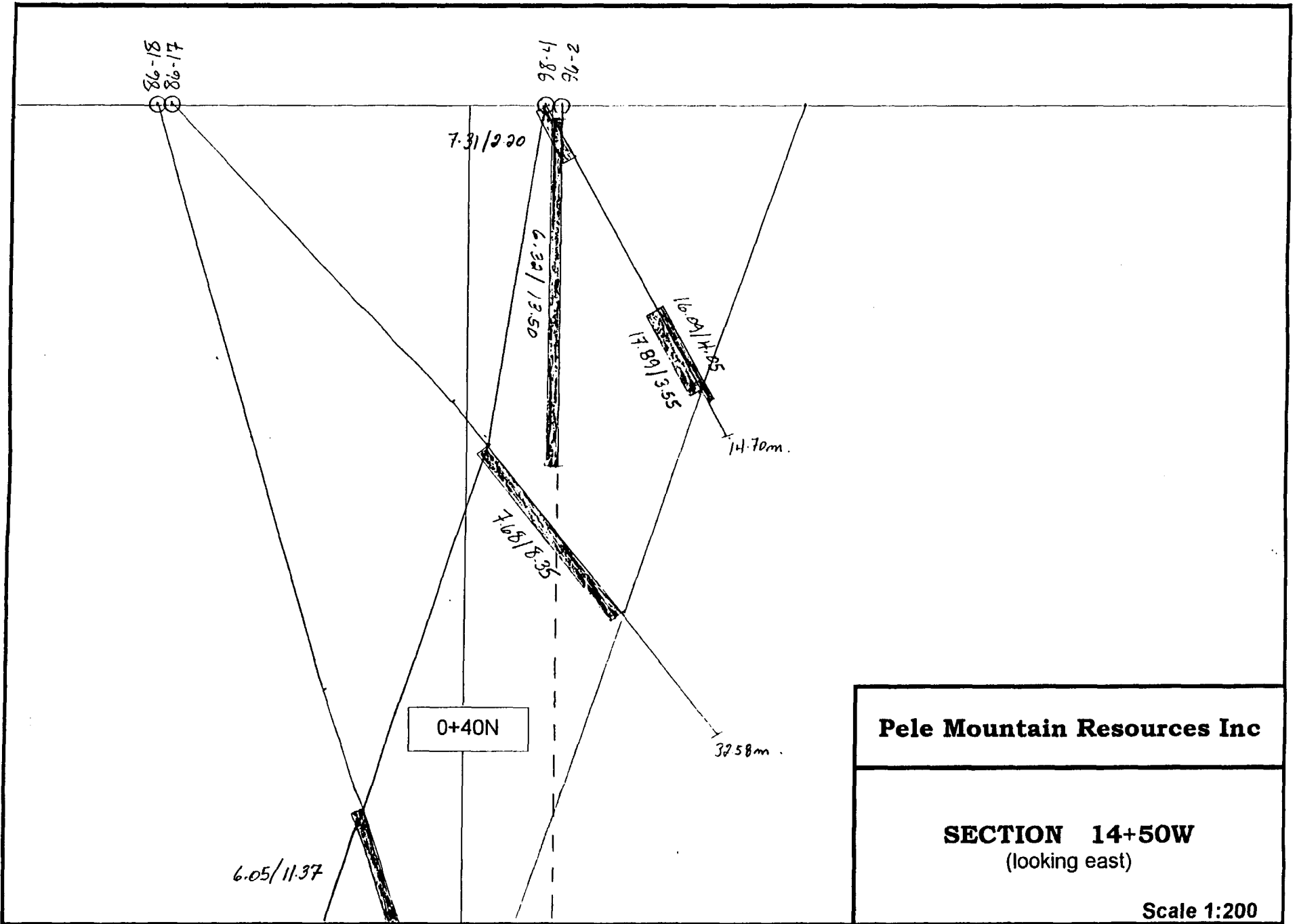


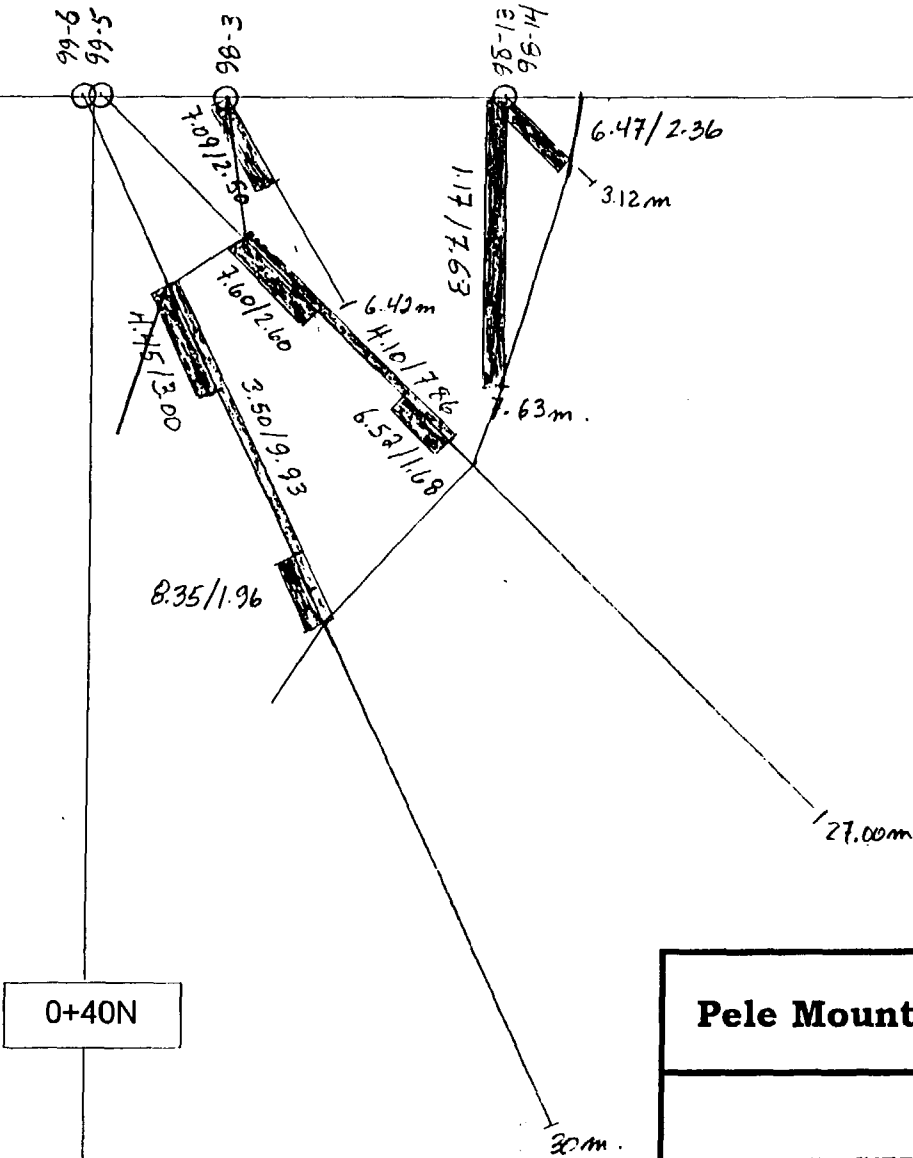
0+40N

**Pele Mountain Resources Inc**

**SECTION 14+47W**  
(looking east)

Scale 1:200



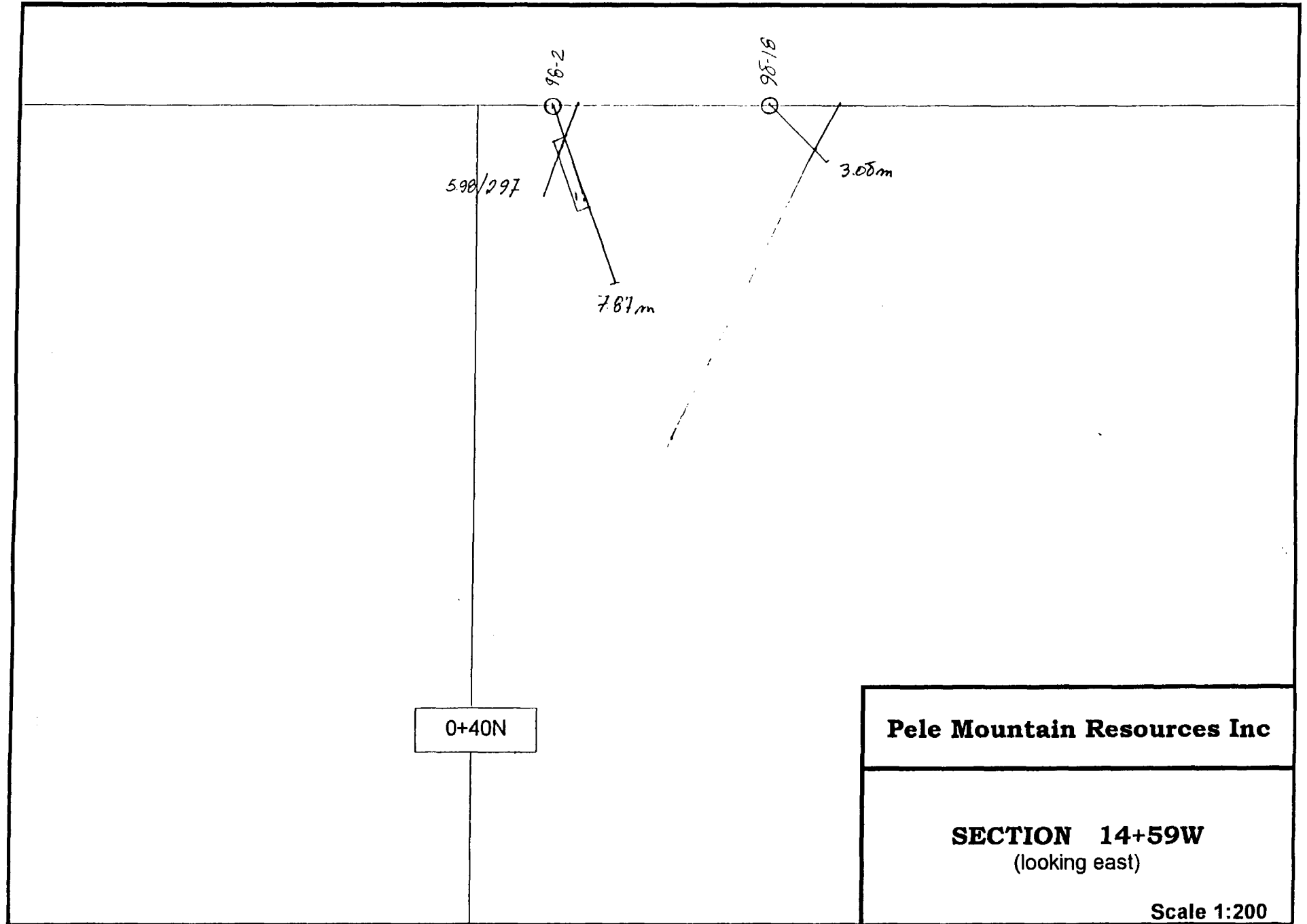


0+40N

**Pele Mountain Resources Inc**

**SECTION 14+55W**  
 (looking east)

Scale 1:200



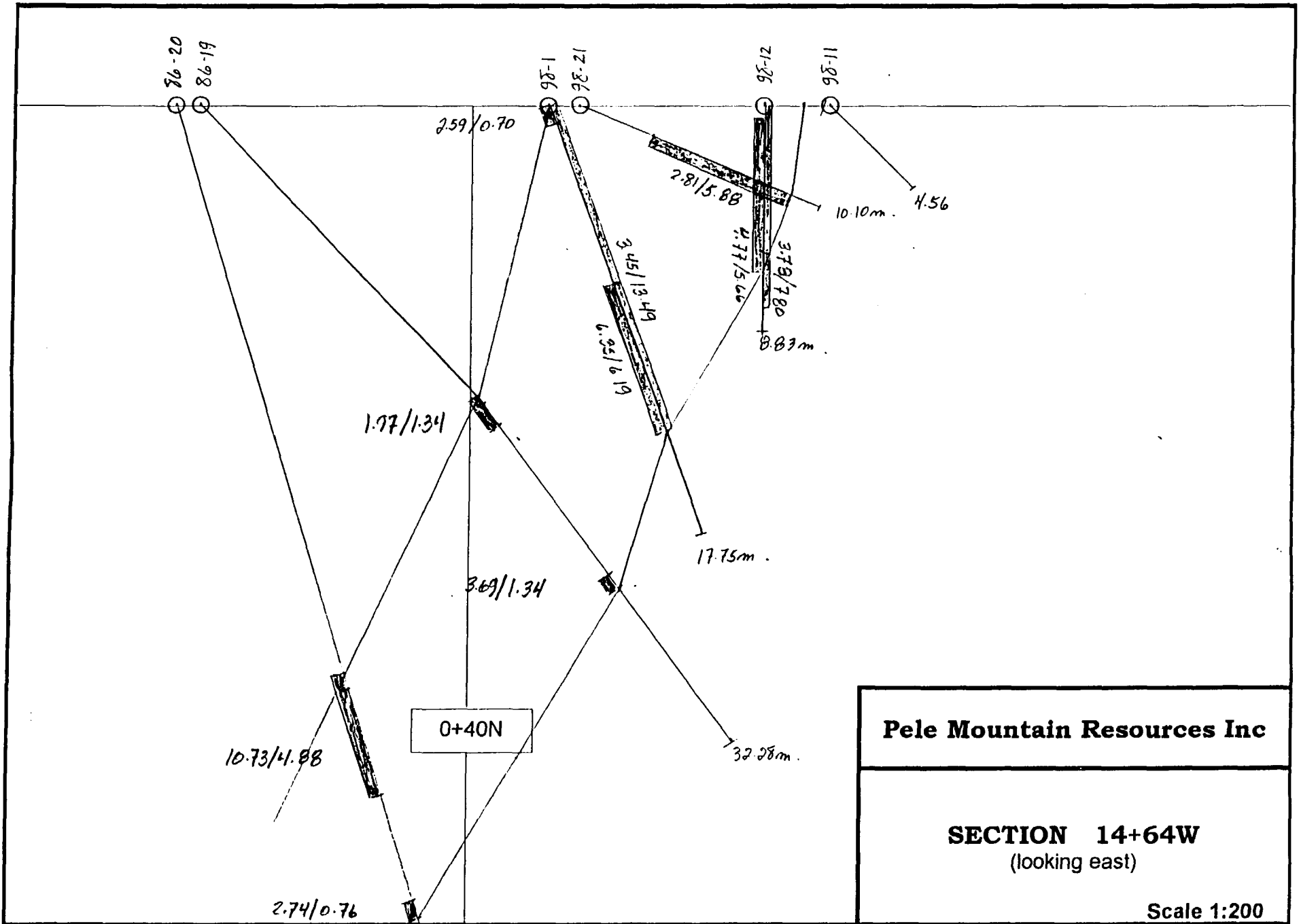
0+40N

**Pele Mountain Resources Inc**

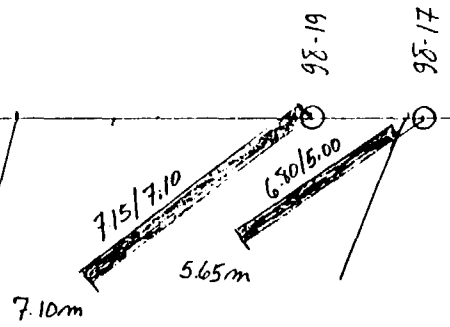
**SECTION 14+59W**  
(looking east)

Scale 1:200





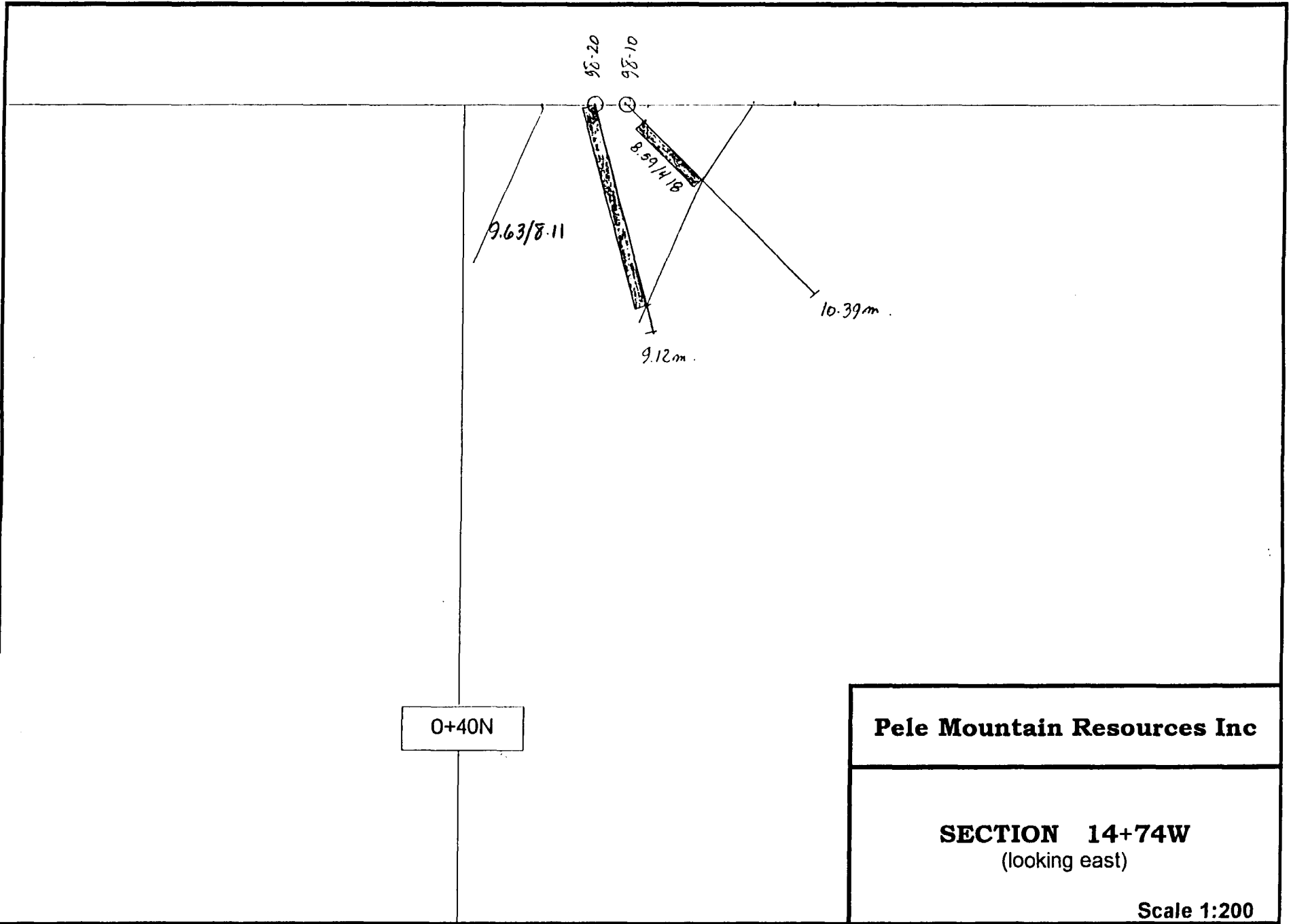
0+40N



**Pele Mountain Resources Inc**

**SECTION 14+69W**  
(looking east)

Scale 1:200



0+40N

**Pele Mountain Resources Inc**

**SECTION 14+74W**  
(looking east)  
Scale 1:200

99-7

3.31/2.67

1.87/1.54

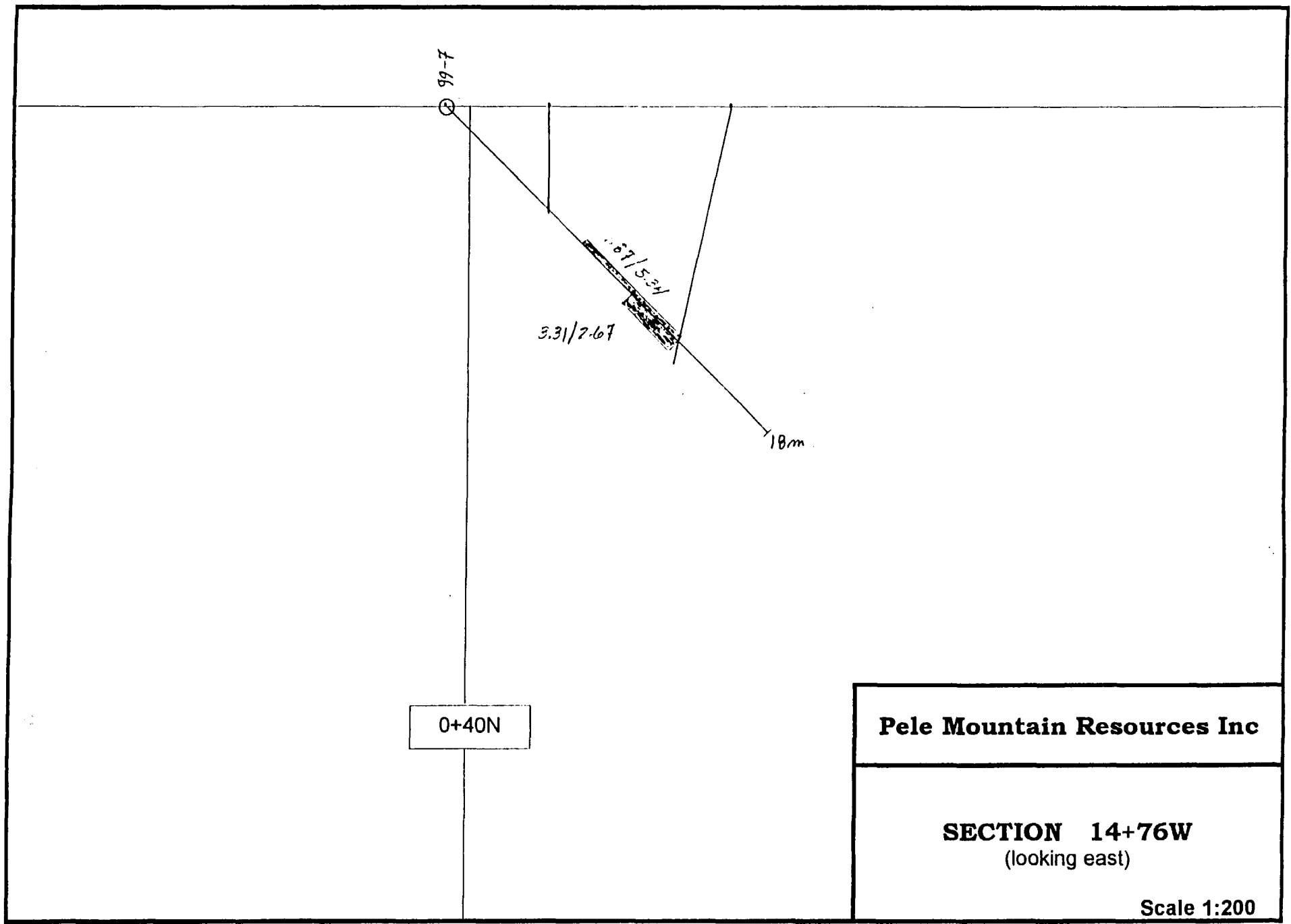
18m

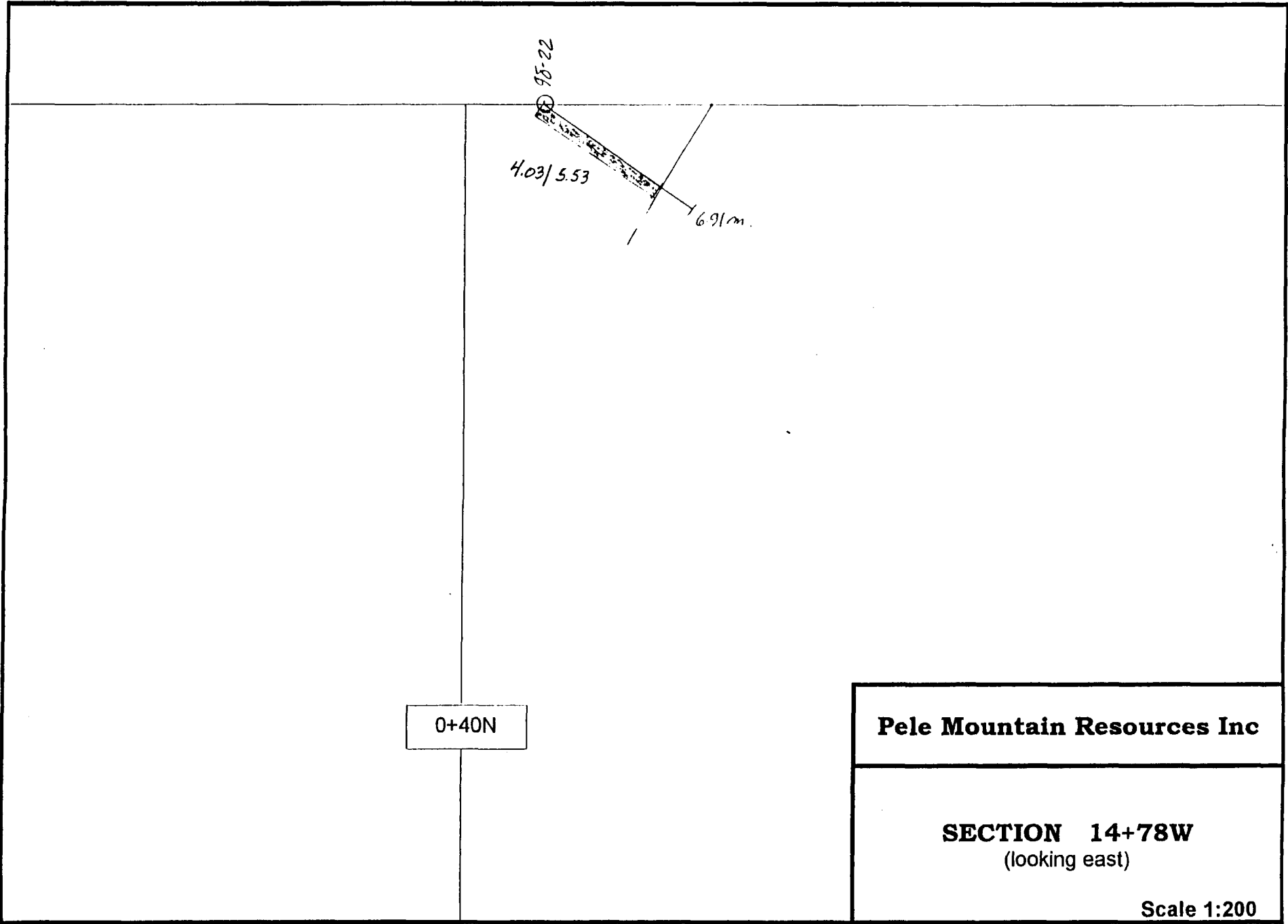
0+40N

**Pele Mountain Resources Inc**

**SECTION 14+76W**  
(looking east)

Scale 1:200





95-22

4.03/5.53

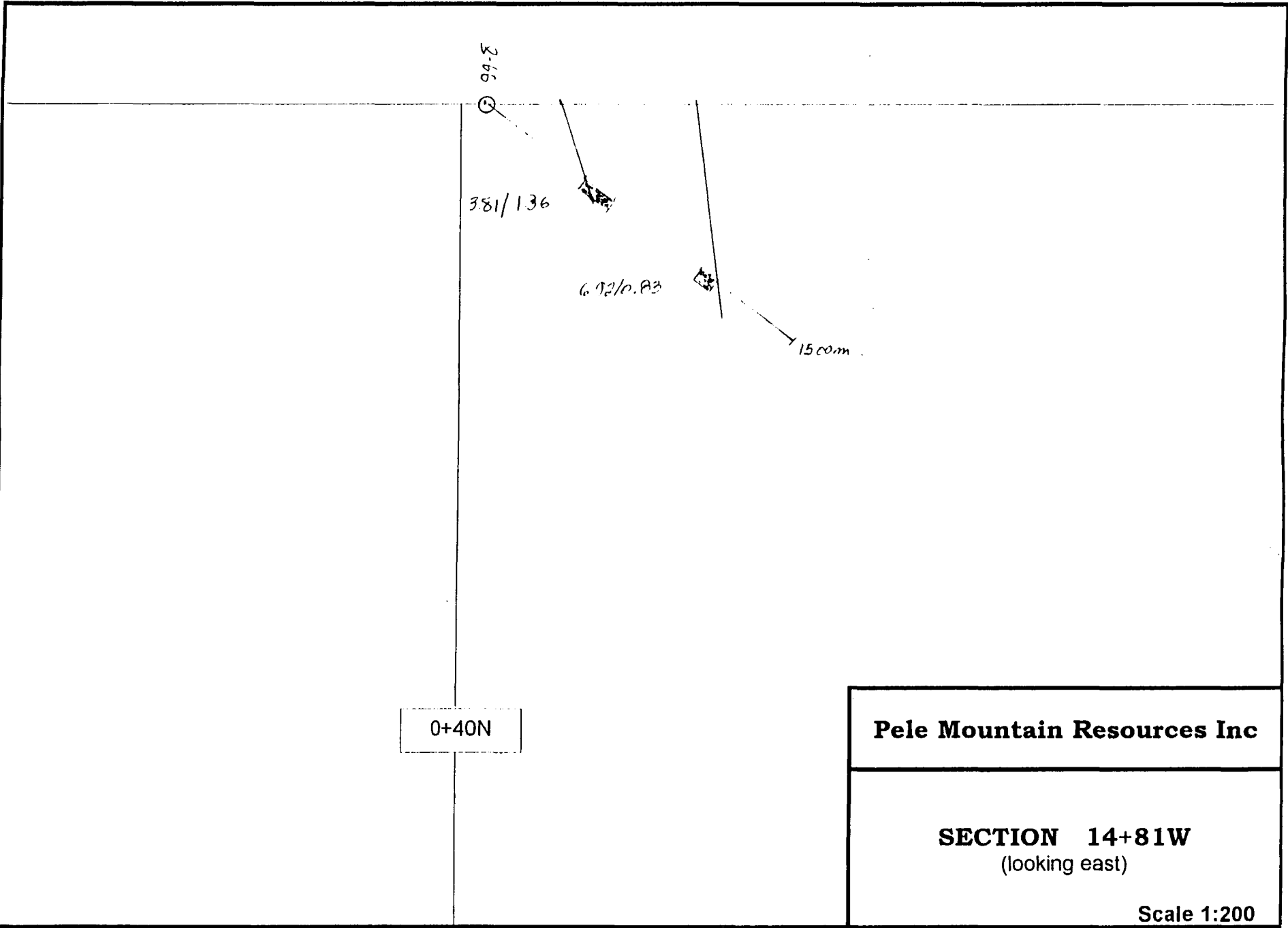
6.91m.

0+40N

**Pele Mountain Resources Inc**

**SECTION 14+78W**  
(looking east)

Scale 1:200



3-66

381/136

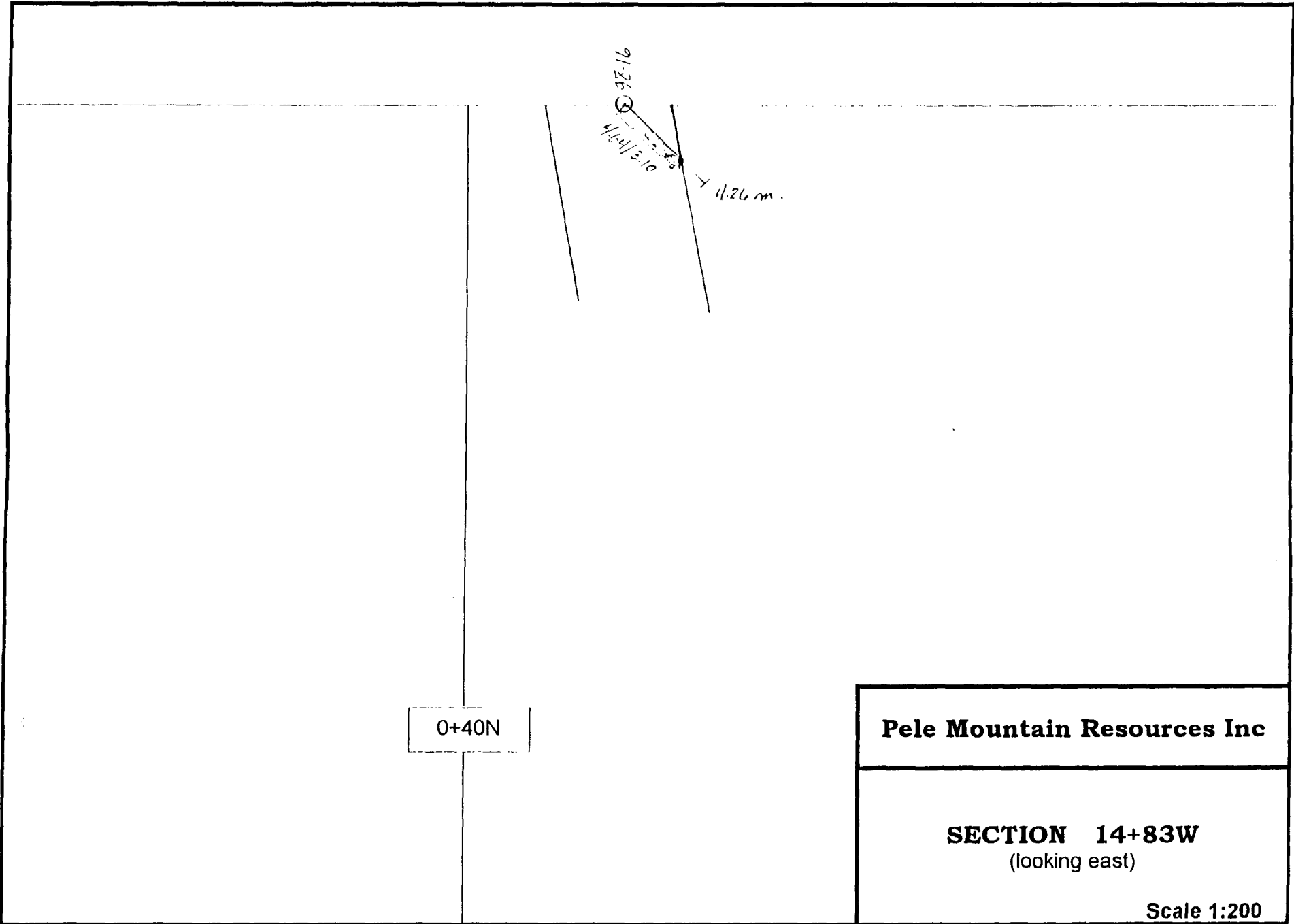
6.72/0.83

150m

0+40N

**Pele Mountain Resources Inc**

**SECTION 14+81W**  
(looking east)  
Scale 1:200



91-26  
4.26 m.

0+40N

**Pele Mountain Resources Inc**

**SECTION 14+83W**  
(looking east)  
Scale 1:200



42C08SW2012 2.19753 JACOBSON

040

Esso Minerals Canada - Markes Project (Cline) 16.82

Hole: 85-17  
Page: 1

Core size:		Azimuth:	130	Grid:	
Drilled by:	HS10A	Dip:	-46	Showing:	
Started:	August 24, 1986			Northing:	00+32.25
Finished:	August 24, 1986			Easting:	00+50.74
Logged by:	John Farstad	Depth:	Dip	Elevation:	
Date logged:		32.58	-51.0	Length:	32.62m
System:					

Interval (m)	Description	Sample No.	Interval (m)	Length (m)	Au (g/t)
-----------------	-------------	---------------	-----------------	---------------	-------------

.00 1.22 OVERBURDEN

1.22 2.37 PILLOWED MAFIC VOLCANIC  
Pillow margins evident local thin brecciated calcite veinlets bottom contact sheared at 60 deg. To c/a- shear contains tourmaline and calcite veinlets.

2. 19753

2.87 9.57 INTERMEDIATE DYKE  
5.67 5.88 White quartz veins.  
7.62 7.77 White quartz veins.

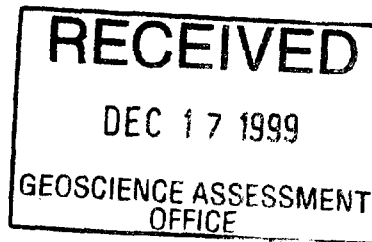
2. 19753

9.57 11.40 QUARTZ PORPHYRITIC FELSIC INTRUSION  
Top and bottom contacts sheared at 40 deg. To c/a- shears contain tourmaline and calcite veinlets.  
10.76 10.76 A similar shear exists 55 deg. To c/a.

2. 19753

11.40 12.19 INTERMEDIATE DYKE  
Bleached.

12.19 16.22 MASSIVE MAFIC METAVOLCANIC  
15.61 15.61 Shear with tourmaline.



16.22 18.20 INTERMEDIATE DYKE  
17.89 18.20 Fractured with quartz and calcite veinlets. 172 17.89 18.20 .20 tr

18.20 26.55 PILLOWED MAFIC VOLCANIC  
Pillow margins evident- intense carbonate locally with some brecciation 18.20 18.20  
173 18.20 18.30 .70 37.71  
174 18.30 19.66 .76 3.43



Esso Minerals Canada - Markey Project (Cline) 16.82

Hole: 86-17  
Page: 2

Interval (m)	Description	Sample No.	Interval (m)	Length (m)	Au (g/t)
	shears with tourmaline.	175	19.66 20.42	.76	3.43
18.20 18.90	Well brecciated with silicification and pyritization	176	20.42 21.18	.76	tr
		177	21.18 21.95	.76	4.11
18.23 18.35	White quartz vein.	178	21.95 22.71	.76	tr
24.33 25.00	Shears with tourmaline.	179	22.71 23.47	.76	2.06
25.82 26.55	Well brecciated with silicification and pyritization	180	23.47 24.44	.98	2.74
		181	24.44 24.99	.55	2.06
26.40 26.24	Shears with tourmaline.	182	24.99 25.82	.82	tr
		183	25.82 26.55	.73	33.60
26.55 32.61	PILLOWED MAFIC VOLCANIC				
	Pillow margins evident- some sections with intense carbonate and brecciation to 30.0.	184	26.55 27.43	.88	6.17
		185	23.57 30.02	.46	4.80
32.61 32.62	END OF HOLE				

Esso Minerals Canada - Markes Project (Cline) 16.82

Hole: 85-19  
Page: 1

Core size:	Azimuth: 130	Grid:
Drilled by:	Dip: -46	Showing:
Started:		
Finished:		Northing: 00+38.65
	Depth 32.28	Dip -53.0
Logged by: John Farstad		Easting: 00+66.84
Date logged: August 26, 1986		Elevation:
System:		Length: 32.32m

Interval (m)	Description	Sample No.	Interval (m)	Length (m)	Au (g/t)
.00	.61 DYERBURDEN				
.61	5.06 INTERMEDIATE DYKE				
5.06	11.70 PILLOWED MAFIC VOLCANIC Pillow margins present. 10.58 10.58 Shear with tourmaline.				
11.70	15.73 INTERMEDIATE DYKE				
	12.83 13.05 Sheared with tourmaline and quartz and calcite veinlets.	209	12.83 13.05	.21	tr
	14.48 14.63 White quartz vein.	210	15.12 15.73	.61	tr
15.73	23.93 MASSIVE MAFIC METAVOLCANIC Carbonatized locally with brecciation.				
	15.73 16.34 Intense brecciation with silicification and pyritization	211	15.73 16.34	.61	5.49
	23.17 23.93 Intense brecciation with silicification and pyritization	212	16.34 17.07	.73	2.06
		213	17.07 17.93	.76	tr
		214	17.83 18.59	.76	tr
		215	18.59 19.35	.76	tr
	23.59 23.65 White quartz vein.	216	19.35 20.12	.76	tr
		217	20.12 20.88	.76	tr
		218	20.98 21.64	.76	tr
		219	21.64 22.40	.76	.34
		220	22.40 23.16	.76	.34
		221	23.16 23.93	.76	2.74
23.93	32.31 MASSIVE MAFIC METAVOLCANIC Slightly carbonatized.				
		222	23.93 24.54	.61	tr
32.31	32.31 END OF HOLE				

2. 19758

Esso Minerals Canada - Markey Project (Cline) 16.92

Hole: 86-20  
Page: 1

Core size:		Azimuth:	139	Grid:	
Drilled by:		Dip:	-73	Showing:	
Started:					
Finished:				Northing:	00+365
		Depth	Dip	Easting:	00+66.8W
Logged by:	John Farstad	44.78	-74.0	Elevation:	
Date logged:	August 28, 1985				
System:				Length:	44.81m

Interval (m)	Description	Sample No.	Interval (m)	Length (m)	Au (g/t)
.00	.61 OVERBURDEN				
.61	7.53 INTERMEDIATE DYKE				
7.53	20.12 MASSIVE MAFIC METAVOLCANIC Some calcite veinlets parallel to foliation				
	20.12 20.12 Shear with tourmaline at 40 deg. To c/a.				
20.12	23.07 INTERMEDIATE DYKE Slight bleaching.	223	22.46 23.07	.61	2.06
	21.25 21.34 White quartz veins.				
	22.77 22.86 White quartz veins.				
23.07	33.28 MASSIVE MAFIC METAVOLCANIC Carbonatized with local brecciation.	224	23.07 23.71	.64	24.00
	23.07 24.78 Intense brecciation with silicification and pyritization	225	23.71 24.32	.61	15.77
	24.78 27.19 Small zones of intense brecciation.	226	24.32 24.78	.46	17.93
		227	24.78 25.57	.79	7.54
		228	25.57 26.37	.79	5.49
	32.52 33.28 Intense brecciation with silicification and pyritization	229	26.37 27.19	.82	18.51
		230	27.19 27.95	.76	3.43
		231	27.95 28.71	.76	.34
		232	28.71 29.47	.76	tr
		233	29.47 30.24	.76	tr
		234	30.24 31.00	.76	tr
		235	31.00 31.76	.76	tr
		236	31.76 32.52	.76	tr
		237	32.52 33.28	.76	2.74
33.28	37.49 PILLOWED MAFIC VOLCANIC Pillow margins evident.	238	33.28 33.99	.70	tr

2. 19753

Esso Minerals Canada - Markes Project (Cline) 16.32

Hole: 86-20  
Page: 2

Interval (m)	Description	Sample No.	Interval (m)	Length (m)	Au (g/t)
37.49 44.81	MASSIVE MAFIC METAVOLCANIC Massive.				
44.81 44.81	END OF HOLE				

Esso Minerals Canada - Cline Project (Ont-92)

Hole: 86-21  
Page: 1

Core size:	Asimuth:	190	Grid:
Drilled by:	Dip:	-46	Showing:
Started:			
Finished:			Northing: 00+41.25
	Depth	Dip	Easting: 00+84.6W
Logged by: John Farstad	31.39	-55.0	Elevation:
Date logged: August 27, 1986			Length: 31.40m
System:			

Interval (m)	Description	Sample No.	Interval (m)	Length (m)	Au (g/t)	Sulfide (I)	Carb. Ser.	Silic. Fol'n
.00	.30 OVERBURDEN							
.30	1.68 INTERMEDIATE DYKE							
1.68	5.58 MASSIVE MAFIC METAVOLCANIC							
5.58	11.49 INTERMEDIATE DYKE							
	6.71 6.86 Shearing with tourmaline.	239	10.31	11.49	.58	tr		
	7.16 7.47 Shearing with tourmaline.							
	10.91 10.97 Shearing with tourmaline.							
11.49	17.92 MASSIVE MAFIC METAVOLCANIC							
	Carbonatized with local brecciation- some thin sections of intense brecciation with silicification and pyritization.	240	11.49	11.61	.12	6.17		
		241	11.61	12.34	.73	3.43		
		242	12.34	13.11	.76	4.80		
	11.49 11.49 Shearing with tourmaline.	243	13.11	13.87	.76	4.90		
	17.59 17.92 Shearing with tourmaline.	244	13.97	14.63	.76	4.80		
		245	14.63	15.29	.76	1.37		
		246	15.39	16.15	.76	.63		
		247	16.15	16.92	.76	.63		
		248	16.92	17.62	.70	1.37		
		249	17.62	17.92	.30	.63		
17.92	31.39 PILLOWED MAFIC VOLCANIC							
	Pillow margins and thick sections of massive rock.	250	17.92	18.35	.43	.63		
31.39	31.40 END OF HOLE							

2. 19758

Esso Minerals Canada - Markes Project (Cline) 16.62

Hole: 86-22  
Page: 1

Core size:		Azimuth:	190	Grid:	
Drilled by:		Dip:	-73	Showing:	
Started:				Northing:	00+40.45
Finished:				Easting:	00+84.6W
Logged by:	John Farstad	Depth	Dip	Elevation:	
Date logged:	August 28, 1986	35.65	-78.0	Length:	35.70m
System:					

Interval (m)	Description	Sample No.	Interval (m)	Length (m)	Au (g/t)
.00	.61 OVERBURDEN				
.61	3.95 INTERMEDIATE DYKE				
3.95	8.08 MASSIVE MAFIC METAVOLCANIC				
8.08	10.21 INTERMEDIATE DYKE				
10.21	11.16 MASSIVE MAFIC METAVOLCANIC				
11.16	19.33 INTERMEDIATE DYKE				
	11.80 11.83 Shearing with tourmaline.	251	18.47	19.08	.61 .63
	19.08 19.08 Shearing with tourmaline.	252	12.08	19.33	.30 2.06
	19.38 19.39 Shearing with tourmaline.				
19.33	23.87 PILLOWED MAFIC VOLCANIC				
	Pillow margins evident- carbonatized with local brecciation.	253	19.33	19.87	.49 2.74
		254	19.37	20.36	.49 3.43
	19.33 20.36 Intense brecciation with silicification and pyritization	255	20.36	21.06	.70 .69
		256	21.06	21.76	.70 2.06
		257	21.76	22.49	.73 tr
		258	22.49	23.20	.70 tr
		259	23.20	23.87	.67 .69
23.87	25.05 INTERMEDIATE DYKE				
	Bleached sericitic.	260	23.87	25.05	1.19 .34
25.05	30.11 MASSIVE MAFIC METAVOLCANIC				
	Carbonatized with local brecciation.	261	25.05	25.79	.73 .34
		262	25.79	26.52	.73 tr
		263	26.52	27.04	.52 tr

Esso Minerals Canada - Markes Project (Cline) 16.82

Hole: 86-22  
Page: 2

Interval (m)	Description	Sample No.	Interval (m)	Length (m)	Au (g/t)
		264	27.04 27.52	.49	.34
		265	27.52 28.25	.73	tr
		266	28.25 29.11	.85	tr
		267	29.11 29.72	.61	.69
		268	29.72 30.11	.40	tr

30.11 35.66 PILLOWED MAFIC VOLCANIC  
Pillow margins evident- massive toward base

35.66 35.66 END OF HOLE

Client: ✓ File: \_\_\_\_\_ Accounts: \_\_\_\_\_

WINTER 1999

Near North Laboratories Inc.  
Unit 11 - 191 Booth Road  
North Bay, Ontario  
P1A 4K3  
Phone: (705) 497-0550  
Fax: (705) 497-0549

INVOICE #: 991026  
INVOICE DATE: August 18, 1999  
PO#: \_\_\_\_\_  
GST #: R121386841  
QUOTE #: \_\_\_\_\_

Client: Pele Mountain Resources  
Attn: Mr. Alan Shefsky  
Suite 212, 20 Richmond Street East  
Toronto, ON  
M5C 2R6



42C08SW2012 2.19753 JACOBSON

050

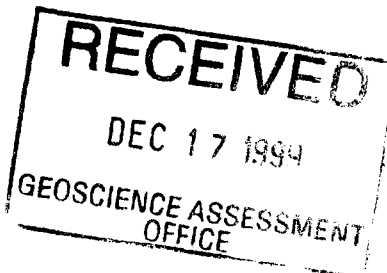
Date Sampled: July 24, 1999  
Sampled by: S. Mlot  
Lab #: 996680, 678, 679  
Site Description: Markes

Week	1	2	3	4	5	Total	Unit	Total
Analysis	Qty	Qty	Qty	Qty	Qty	Qty	Price	Amount
Alkalinity/pH/conduc	2	0	0	0	0	2	\$18.00	\$36.00
Ammonia	2	0	0	0	0	2	\$10.00	\$20.00
Total Phosphorous	2	0	0	0	0	2	\$12.00	\$24.00
TDS/TSS	2	0	0	0	0	2	\$18.00	\$36.00
Sulphates	2	0	0	0	0	2	\$14.00	\$28.00
Total/Free cyanide	2	0	0	0	0	2	\$36.00	\$72.00
Metals FW00 - (Ca,Mg,As, Fe,Cu,Pb,Ni,Zn)	2	0	0	0	0	2	\$50.00	\$100.00
Shipping	0	0	0	0	0	0	\$0.00	\$0.00
14 Parameter	1	0	0	0	0	1	\$93.46	\$93.46

Sub Total \$409.46  
GST \$28.66  
INVOICE TOTAL \$438.12

Due and payable within 30 days of invoice date,  
financial charges will be assessed at 1 1/2% per month  
on all overdue accounts.

2. 19753





## STATEMENT OF ANALYTICAL RESULTS

Client:	Pete Mountain Resources	Project:	Markes
Contact:	Alan Shefak	Date Sampled:	July 24, 1999
Address:	Suite 212	Sampled By:	S. Miot
	20 Richmond Street East	Date Received:	July 26, 1999
	Toronto, ON	Report Date:	August 18, 1999
	M5C 2R8	Status:	Final
		Report #:	99G0678, 0679

Preparation: All samples were processed in accordance to the recommendations of "Standard Methods for the Examination of Water and Wastewater", AWWA, 16th Ed. and Ontario Ministry of the Environment and Energy protocols.

LAB #:	99G0678	99G0679				
DATE SAMPLED:	July 24, 1999	July 24, 1999				Method
DATE RECEIVED:	July 26, 1999	July 26, 1999				Detection
DESCRIPTION:	SW 1	SW 2		Units	Method	Limit
					of Analysis	(min)
Alkalinity	82	50		mg/L	titration	1
Ammonia	0.08	0.09		mg/L	photometric	0.03
Conductivity	188	91		uS/cm2	meter	1
Cyanide, Total	<0.005	<0.005		mg/L	probe	0.005
Hardness	78	48		mg/L	calculation	1
Oil & Grease, Total	<1	<1		mg/L	solvent extraction	1
pH	7.22	7.83		-	probe	-
Phosphorous, Total	0.037	0.008		mg/L	photometric	0.006
Sulfate	<1	<1		mg/L	turbidimetric	1
TDS	108	80		mg/L	gravimetric	10
TSS	9	2		mg/L	gravimetric	1
Aluminum	0.05	0.05		mg/L	ICP	0.01
Cadmium	<0.0001	<0.0001		mg/L	graphite furnace	0.0001
Calcium	28.7	15.5		mg/L	ICP	0.03
Copper	0.0029	0.0009		mg/L	graphite furnace	0.0005
Iron	0.05	0.16		mg/L	ICP	0.02
Lead	<0.0002	<0.0002		mg/L	graphite furnace	0.0002
Magnesium	1.45	1.81		mg/L	ICP	0.01
Molybdenum	<0.002	<0.002		mg/L	ICP	0.002
Nickel	<0.02	<0.02		mg/L	ICP	0.02
Zinc	<0.01	<0.01		mg/L	atomic absorption	0.01
Arsenic	<0.001	<0.001		mg/L	hydride	0.001
Mercury	<0.0001	0.0001		mg/L	cold vapour	0.0001

Notes: TDS denotes Total Dissolved Solids; TSS denotes Total Suspended Solids

  
Brenda McLary Priolo, Director

### ENVIRONMENTAL TESTING SERVICES

CAEAL Accredited for Specific Environmental Analyses

Unit 11-191 Booth Road, RR#5, North Bay, Ontario P1A 4K3 Phone (705) 497-0550 Fax (705) 497-0549

LEGEND

-  MAFIC VOLCANIC FLOW (basalt)
-  COARSE GRAINED MAFIC FLOW(gabbro?)
-  INTERMEDIATE VOLCANIC FLOW (andesite)
-  FELSIC VOLCANIC FLOW (rhyolite)
-  FELSIC INTRUSIVE (granodiorite)
-  QUARTZ-FELDSPAR PORPHYRY INTRUSIVE
-  DIABASE INTRUSIVE
-  METASEDIMENT(quartz-sulphides)
-  QUARTZ VEIN



PELE MOUNTAIN RESOURCES INC.

**GEOLOGY**  
 WAWA AREA (Ontario)  
 WESTERN GROUP( Goudreau-Lochalsh Belt)

JACOBSON AND RIGGS TOWNSHIPS

DATE: April 1998	SCALE 1:15000	Compiled by: SONIC SOIL SAMPLING INC.
------------------	---------------	--

Water Sample #1  
SW#1

Water Sample #2  
SW#2



42C08SW2012

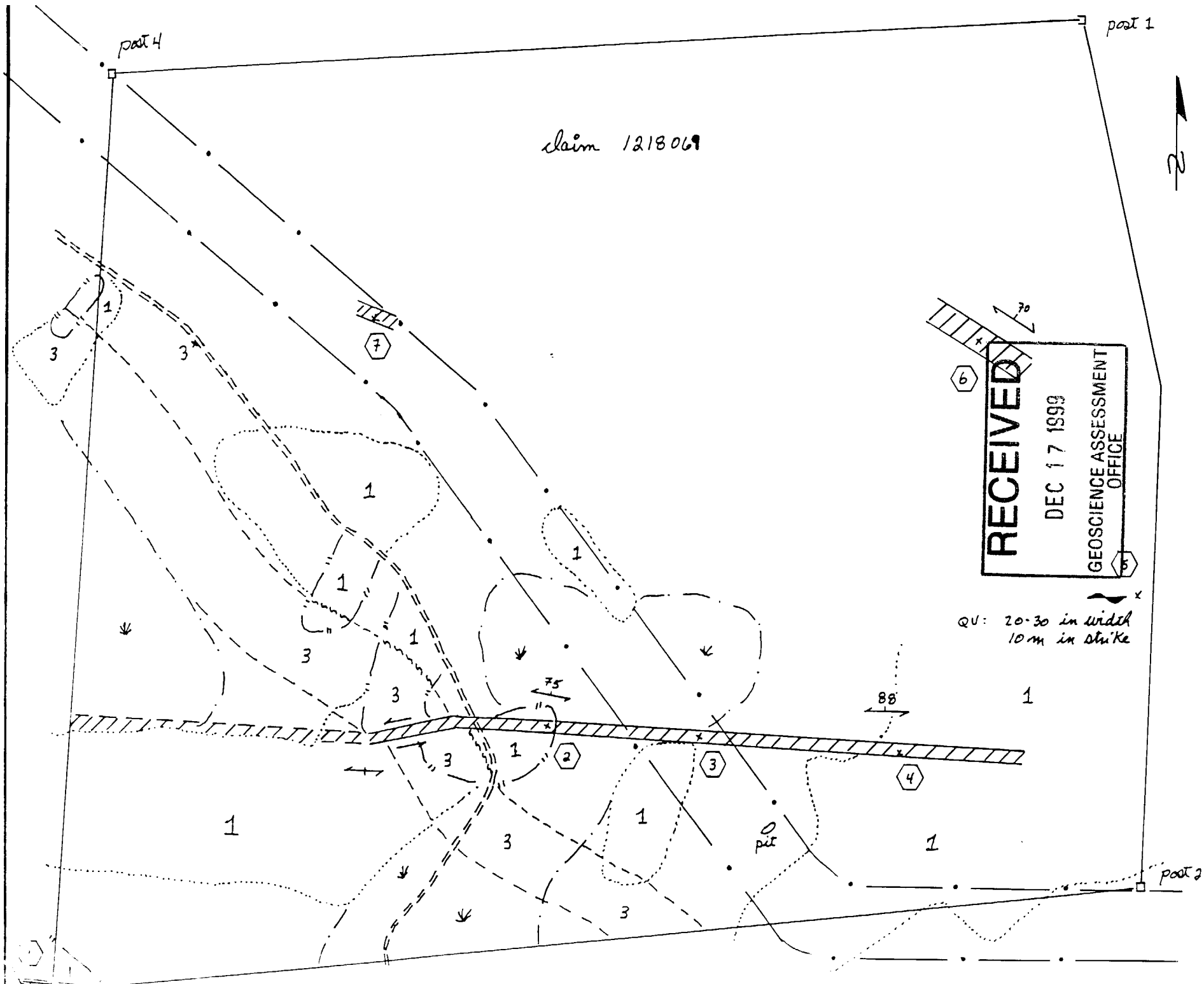
2.19753

JACOBSON

060

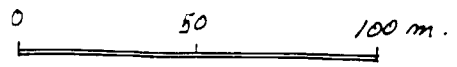
**Rock sample description on claim 1218069**

sample number	rock description	gold assay (g/t)
PC-99-1	bedded sulphide (semi massive Py) iron formation ( 1-2 cm in width) with chert (5cm) containing 2% f.g. disseminated Py and basalt (?). Overall 10% Py.	<0.03
PC-99-2	anastomosing lighth grey qtz/calcite stringers containing 2-3 % f.g. disseminated Po>Py in a sheared pillowed basalt.	<0.03
PC-99-3	weakly silicified, sheared mafic volcanic, injected of folded white qtz/calcite veinlets, About 1% f.g. disseminated Py	<0.03
PC-99-4	weakly silicified, strongly sheared mafic volcanic containing many white qtz /calcite veinlets parallel to shearing. Traces of f.g. disseminated Py	<0.03
PC-99-5	Fractured and vuggy white Qtz vein. Vugs and fractures are filled with iron carbonate, muscovite and graphite (?).	<0.03
PC-99-6	iron carbonatized sericite/cholorite schist. Injected of many lighth grey qtz/calcite/ tourmaline veinlets, parallel to shearing. Traces of f.g. disseminated Py.	<0.03
PC-99-7	iron carbonatized mafic volcanic/felsic dikes. About 1% f.g. disseminated Cp>>Py. Few aphanitic glassy qtz stringers.	<0.03



**LEGEND**

- 1 pillowed and massive bas
- 2 sulphide iron formation / s
- 3 gabbro dike
- 4 felsic dike
- (\*) outcrop
- 70 schistosity
- ||||| shear zone
- (5) sample location site
- (||) striped area
- power line
- (⊕) swamp
- - - ski-doo trail



Scale 1:2,000

**GEOLOGY MAP**



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)
WPA30.00073
Assessment Files Research Imaging

(2) and 66(3) of the Mining Act Under section 8 of the Mining Act, k and correspond with the mining land holder. Questions about this pment and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury.



42C08SW2012 2.19753 JACOBSON

900

claim, use form 0240

2.19753

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

Name	Pele Mountain Resources Inc.	Client Number	302937
Address	20 Richmond Street East, Suite 212	Telephone Number	(416) 368-7224
	Toronto, Ontario M5C 2R9	Fax Number	(416) 368-7230
Name		Client Number	
Address		Telephone Number	
		Fax Number	

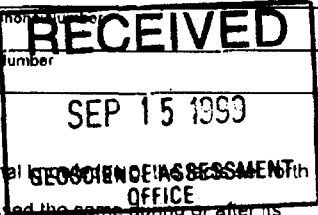
2. Type of work performed: Check (✓) and report on only ONE of the following groups for this declaration.

Geotechnical: prospecting, surveys, assays and work under section 18 (regs)	<input checked="" type="checkbox"/> Physical: drilling stripping, trenching and associated assays	Rehabilitation
Work Type	Office Use	
	Commodity	
	Total \$ Value of Work Claimed	\$ 36,809
Dates Work Performed From 01 10 98 To 31 08 99	NTS Reference	
Global Positioning System Data (if available)	Township/Area Jacobson	Mining Division Sault Ste. Marie
	M or G-Plan Number H-1583	Resident Geologist District Timmins

- 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	PAUL-CLAUDE DELISLE	Telephone Number	(705) 856-1857
Address	112 BROADWAY AVENUE, P.O. Box 447 WAWA, ONT. POS 1K0	Fax Number	
Name	LEO COTE	Telephone Number	(819) 825-8614
Address	217 CH. DE LA PROHENADE, BG-81-7, VAL SENNEVILLE	Fax Number	
Name	QUEBEC JOY QPO	Telephone Number	
Address		Fax Number	



4. Certification by Recorded Holder or Agent

I, ALAN SHEFSKY (Print Name) do hereby certify that I have personally supervised 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	<i>Alan Shefsky</i>	Date	SEPTEMBER 15 / 99
Agent's Address	PRESIDENT.	Telephone Number	
		Fax Number	

0241 (03/97)

Deemed Dec 19/99

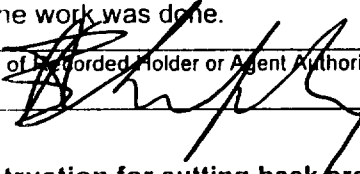
to be recorded and distributed. Work can only be assigned to claims that are contiguous (adjoining) to the mining where work was performed, at the time work was performed. A map showing the contiguous link must accompany this form.

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
TB 7827	16 ha	\$26,825	N/A	\$24,000	\$2,825
1234567	12	0	\$24,000	0	0
1234568	2	\$ 8,892	\$ 4,000	0	\$4,892
SSM 1174694	6	\$ 36,809	\$26,734		
SSM 1218072 ✓	12			\$ 9600	\$11,534
SSM 1218073 ✓	4			3200	
SSM 1218171 ✓	6			4800	
SSM 1223014 ✓	1			800	
SSM 1229807 ✓	3			2400	
SSM 1230143 ✓	2			1600	\$2400
SSM 1230146 ✓	2			1600	
SSM 1218069	1			498	∅
SSM 1218068	2			1600	∅
SSM 1164265	8			3200	∅
SSM 1164266	8			400	∅
SSM 1164267	9			1200	∅
SSM 1164268	8			400	∅
SSM 1164269	12			1200	∅
SSM 1218014	3			400	∅
SSM 1218016	12	\$ 26,734.		3911	∅
<b>Column Totals</b>	<b>99</b>	<b>\$36,809</b>		<b>\$ 36,809</b>	<b>\$126,734</b>

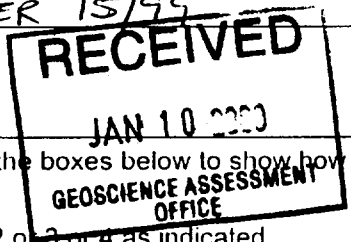
ALAN SHEFSKY

(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  
 PRESIDENT

Date SEPTEMBER 15/99



6. Instruction 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):

\*PLEASE CALL A. SHEFSKY @ (416) 368-7224 RE: CUT BACKS.

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.

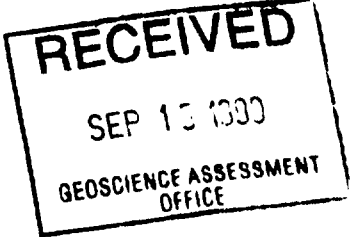
For Office Use Only

Received Stamp	Deemed Approved Date	Date Notification Sent
	Date Approved	Total Value of Credit Approved
	Approved for Recording by Mining Recorder (Signature)	

621150.00073

**Statement of Costs for Assessment Credit**

Work Type	Units of work	Cost Per Unit of work	Total Cost
drilling	237 m	\$51.50/m	12,206
geologist - report/field work	29.5 days	\$300/day	8,850
field helper	1 day	\$80/day	80
assays	175 samples	\$11.50/sample	2,153
acid base accounting			379
consultant - report	40 hrs	\$50/hr	2,000
water testing			438
core splitter			550
loader	8 hrs	\$60/hr	514
<b>Associated Costs</b>			
mobilization			1,894
demobilization			1,540
maps			273
notice for public info session			179
courier			591
<b>Transportation Costs</b>			
geologist	1035 km	\$0.35/km	362
supervisor			4,079
<b>Food and Lodging Costs</b>			
1 day accommodation	1 day	\$60/day	67
supervisor - accomm			522
meals			131
<b>TOTAL VALUE OF ASSESSMENT WORK</b>			<b>36,809</b>



Certification verifying costs:

I, ALAN SHEFSKY do hereby certify, that the amounts shown are as accurate as may reasonably be determined and the costs were incurred while conducting assessment work on the lands indicated on the accompanying Declaration of Work form as PELE MOUNTAIN RESOURCES, I am authorized to make this certification. PRESIDENT

Signature [Handwritten Signature] President Date SEPTEMBER 15/99

2. 19753



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

Telephone: (888) 415-9845  
Fax: (877) 670-1555

January 11, 2000

Alan Shefsky  
PELE MOUNTAIN RESOURCES INC.  
20 RICHMOND STREET EAST  
APT 212  
TORONTO, ONTARIO  
M5C-2R9

Visit our website at:  
[www.gov.on.ca/MNDM/MINES/LANDS/mlsmnpge.htm](http://www.gov.on.ca/MNDM/MINES/LANDS/mlsmnpge.htm)

Dear Sir or Madam:

**Submission Number:** 2.19753

**Status**

**Subject: Transaction Number(s):** W9950.00073 Approval After Notice

---

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. Allowable changes to your credit distribution can be made by contacting the Geoscience Assessment Office within this 45 Day period, otherwise assessment credit will be cut back and distributed as outlined in Section #6 of the Declaration of Assessment work form.

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

If you have any questions regarding this correspondence, please contact BRUCE GATES by e-mail at [bruce.gates@ndm.gov.on.ca](mailto:bruce.gates@ndm.gov.on.ca) or by telephone at (705) 670-5856.

Yours sincerely,



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



# Work Report Assessment Results

---

**Submission Number:** 2.19753

**Date Correspondence Sent:** January 11, 2000

**Assessor:** BRUCE GATES

---

<b>Transaction Number</b>	<b>First Claim Number</b>	<b>Township(s) / Area(s)</b>	<b>Status</b>	<b>Approval Date</b>
W9950.00073	1174694	JACOBSON	Approval After Notice	January 10, 2000

**Section:**

16 Drilling PDRILL

17 Assays ASSAY

The revisions outlined in the Notice dated November 26, 1999, have been corrected. Total assessment credit of \$26,734 has been distributed as per your correspondence of January 10, 2000.

**Correspondence to:**

Resident Geologist  
South Porcupine, ON

Assessment Files Library  
Sudbury, ON

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

Alan Shefsky  
PELE MOUNTAIN RESOURCES INC.  
TORONTO, ONTARIO

---

**NOTES**

400' Surface Rights Reservation around the shores of all lakes and rivers

(R1) THE SURFACE RIGHTS ONLY OF AREA OUTLINED ARE WITHDRAWN FROM PROSPECTING, STAKING OUT, OR LEASE UNDER SEC. 36 (M.A.) R.S.O. 1980 - ORDER # W2783 WAWA DATED FEB 24/83

(R2) SECTION 35 ORDER No. W-338-081 FEB 1983 E.R.M. 10518

(C) SEC. 35 W.L.L-C1527/99 ONT MAY 11/99 M+S

REOPENED FOR STAKING JULY 29/86 - ORDER # 0-42-86 SSM 612569.

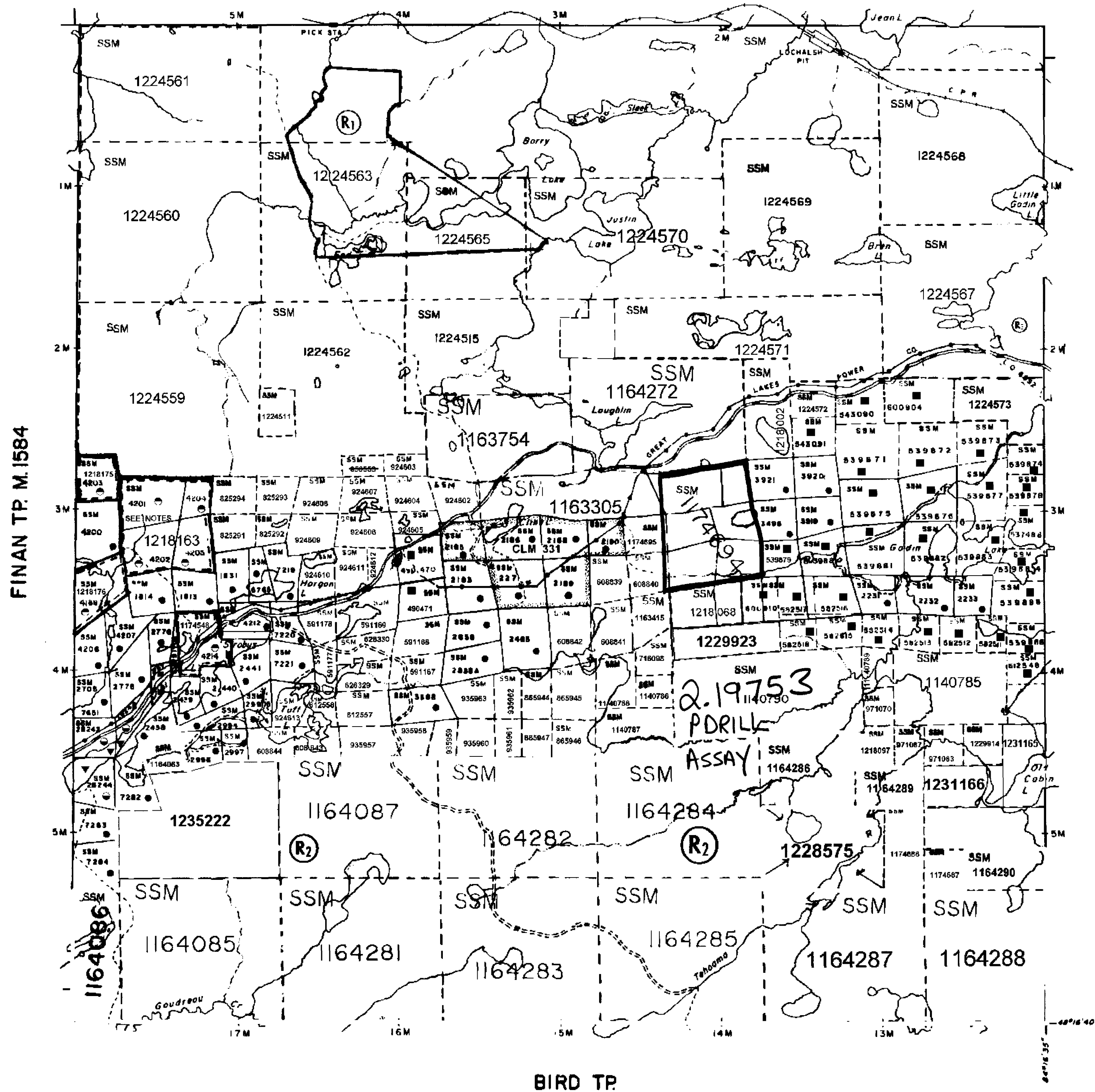
**NOTES**

MINING RIGHTS (SEE ONTARIO GAZETTE MAY 14/84) - OPEN FOR PROSPECTING, STAKING OUT, SALE, OR LEASE AT 7:00 AM STANDARD TIME JUNE 1/84

The 1975 Magnetic Bearing Approx. Annual Change increasing

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.

**LEGUERRIER TP. M.1585**



**LEGEND**

- HIGHWAY AND ROUTE No
- 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

**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	
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. 300, SEC. 63, SUBSEC. 1

SCALE: 1 INCH = 40 CHAINS



TOWNSHIP  
**JACOBSON**  
(Former TP. 48)  
DISTRICT  
**ALGOMA**  
MINING DIVISION  
**SAULT STE MARIE**

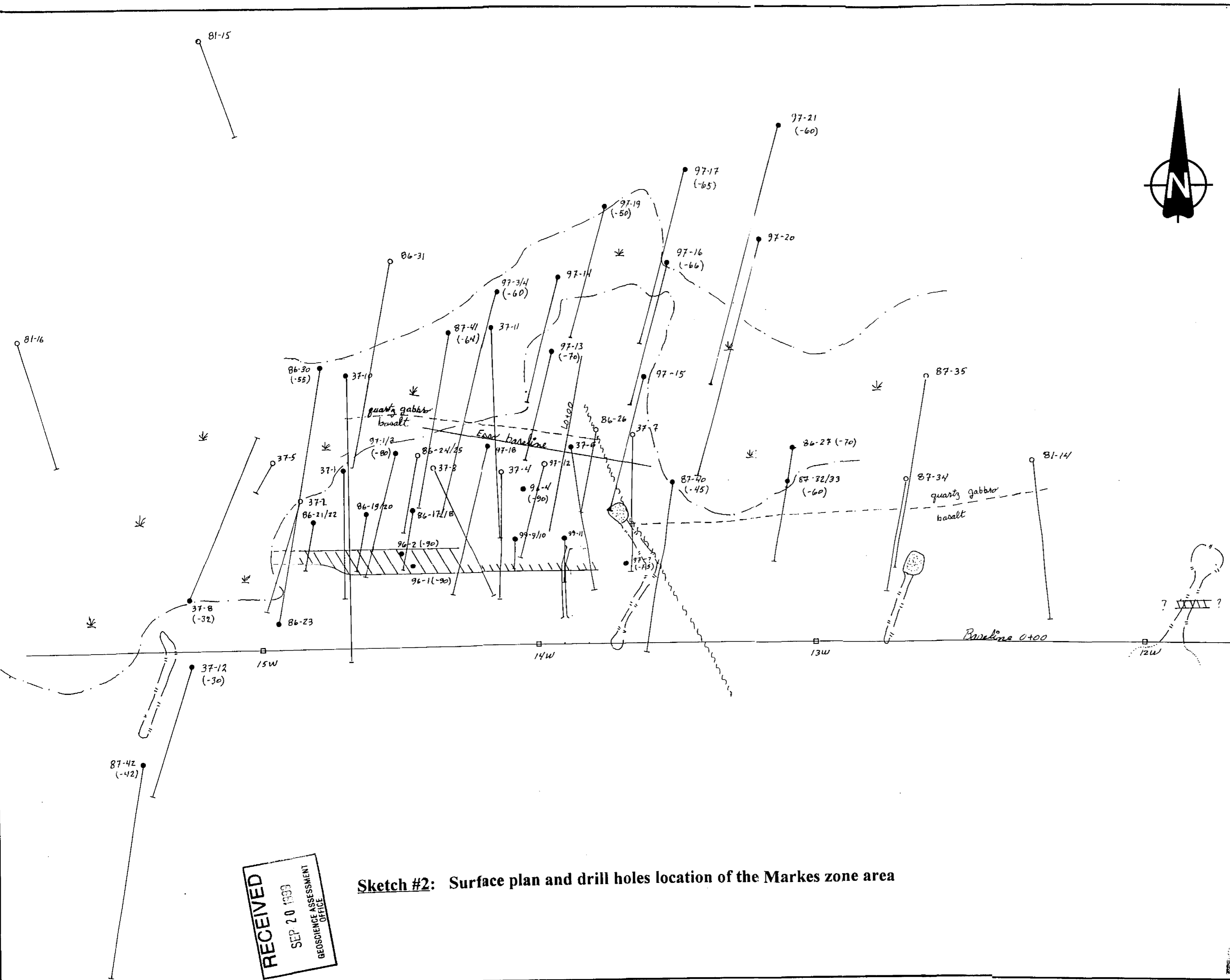
ONTARIO  
MINISTRY OF NATURAL RESOURCES

SURVEYED BY: M. JACOBSON  
DATE: SEPT. '72  
WHITNEY BLOCK  
QUEEN'S PARK, TORONTO

BRANCH  
PLAN No  
**M. 1583**







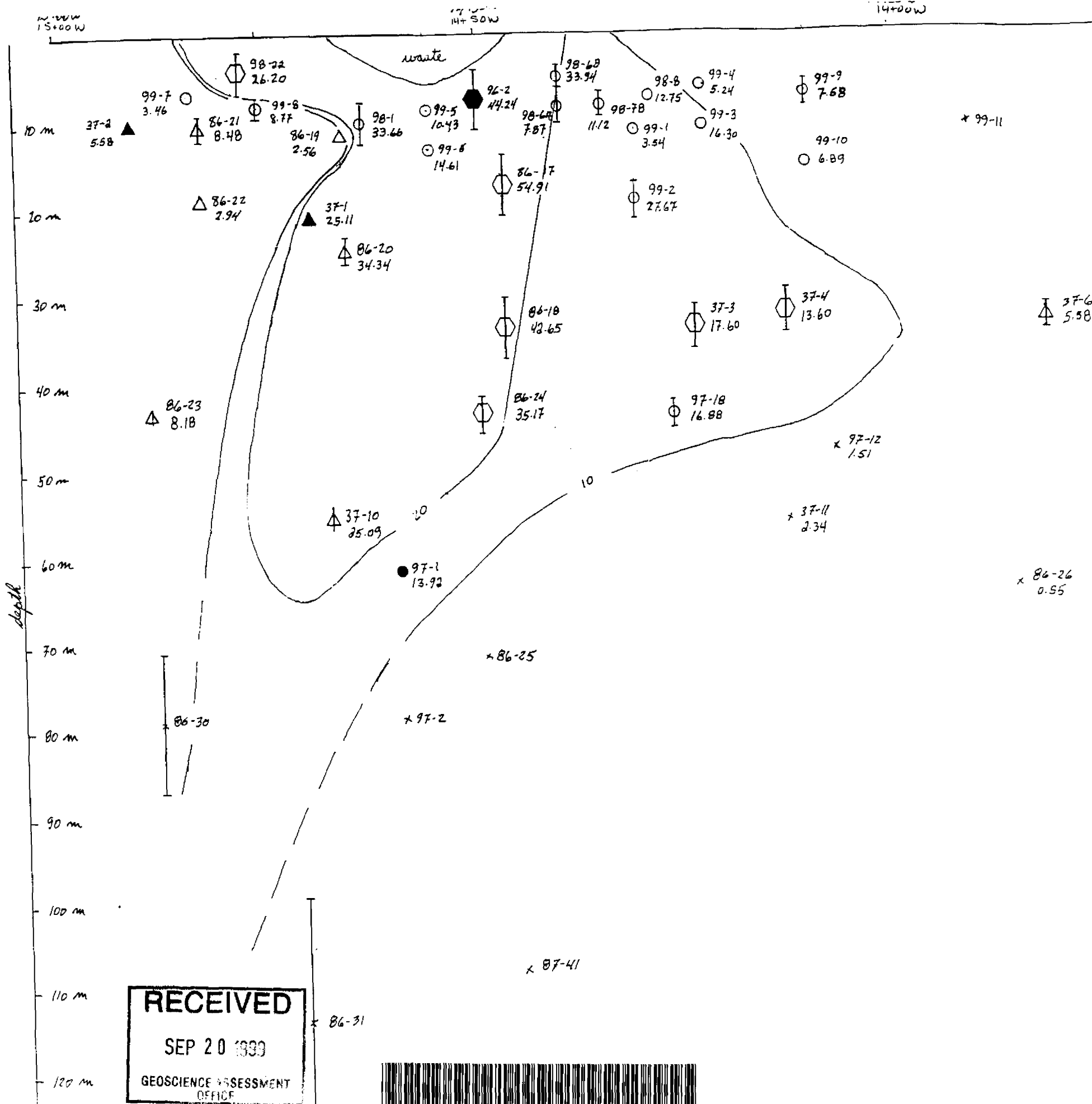
- Markes zone
- located casing (dep)
- presumed DDH location (given in the log)
- piquet
- ramp
- stripped area
- trench

0 10 20 30 40 50 meters  
 scale 1:1,000

Sketch #2: Surface plan and drill holes location of the Markes zone area

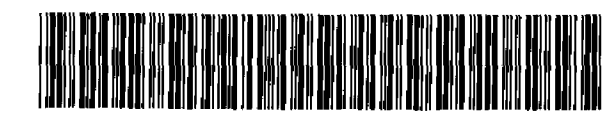
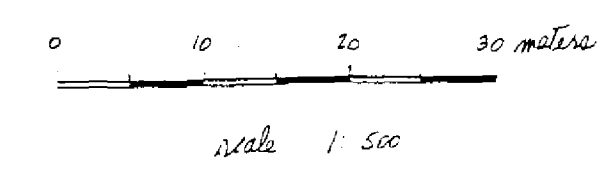
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 SEP 20 1999  
 GEOSCIENCE ASSESSMENT  
 OFFICE



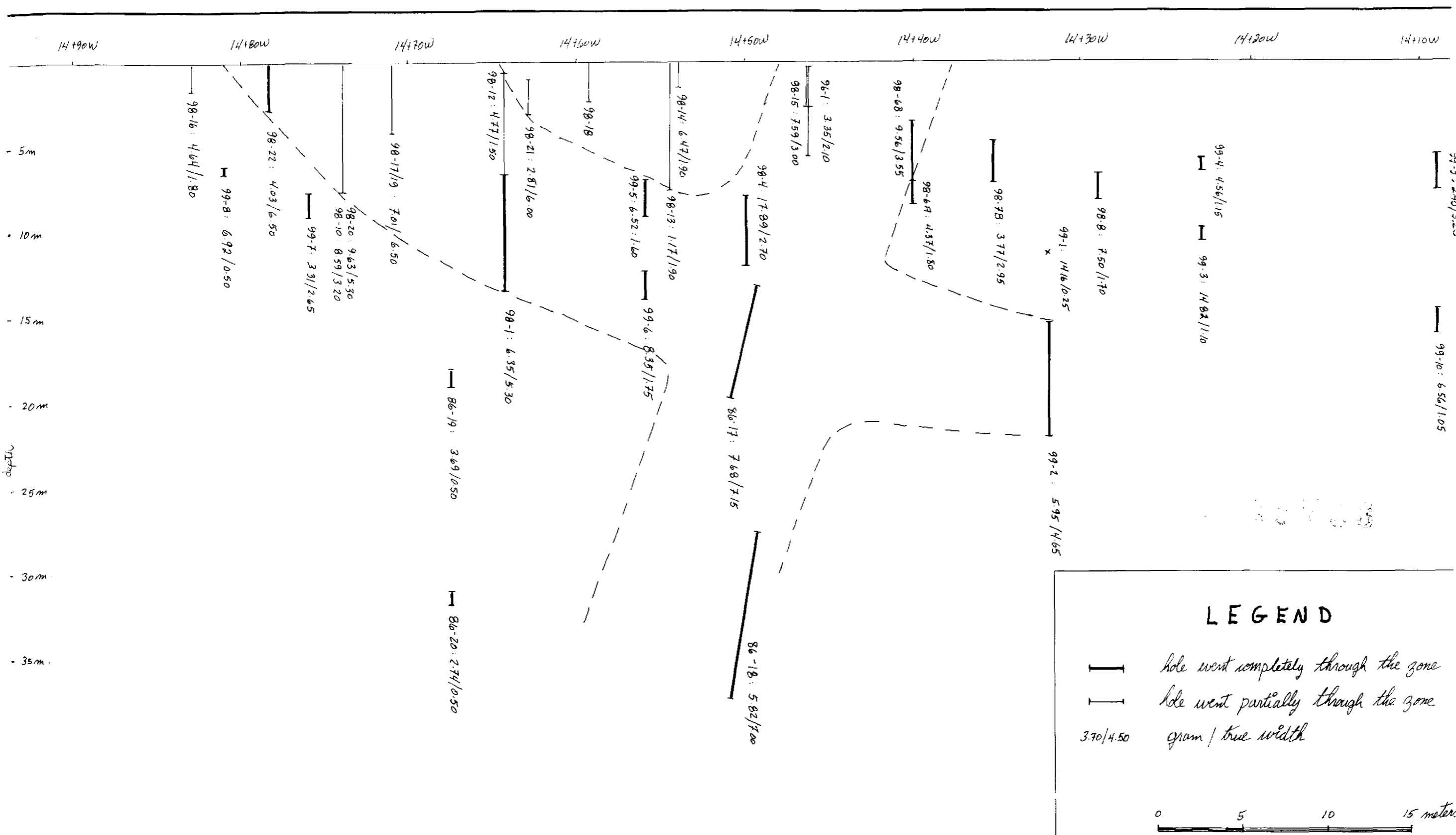


### LEGEND

- x undetermined
- foot wall
- △ hanging wall
- ⬡ full zone
- mineralized length (true width)
- (in black) incompletd sample



Sketch #3: Markes zone longitudinal



**Sketch #4: South zone longitudinal near surface**





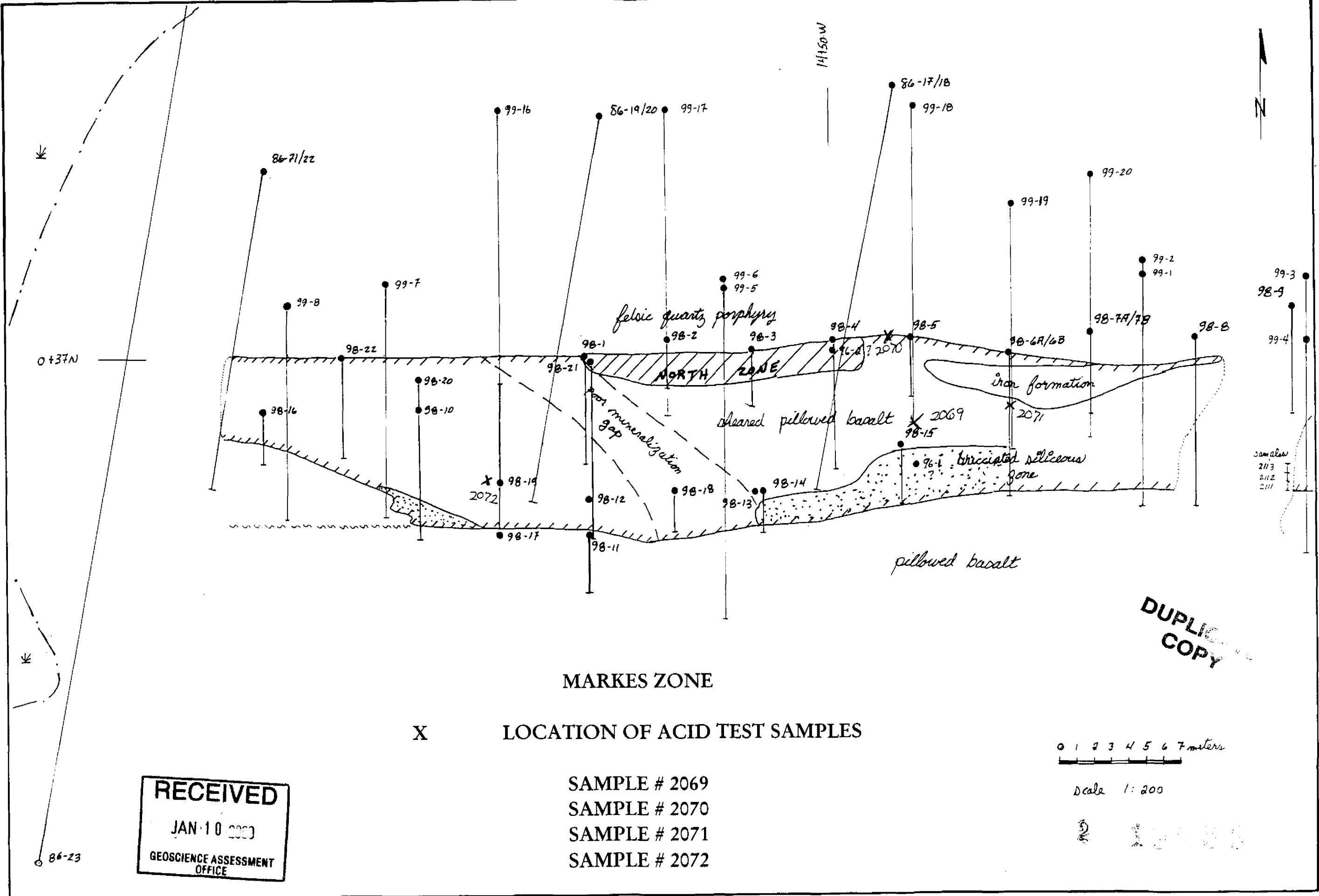
**Sketch #5: Proposed open pit, showing blocks for reverse calculation**

*[Handwritten signature]*





42C08SW2012 2.19753 JACOBSON 260



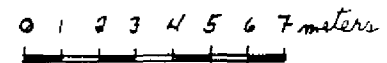
### MARKES ZONE

X LOCATION OF ACID TEST SAMPLES

- SAMPLE # 2069
- SAMPLE # 2070
- SAMPLE # 2071
- SAMPLE # 2072

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 JAN 10 2000  
 GEOSCIENCE ASSESSMENT  
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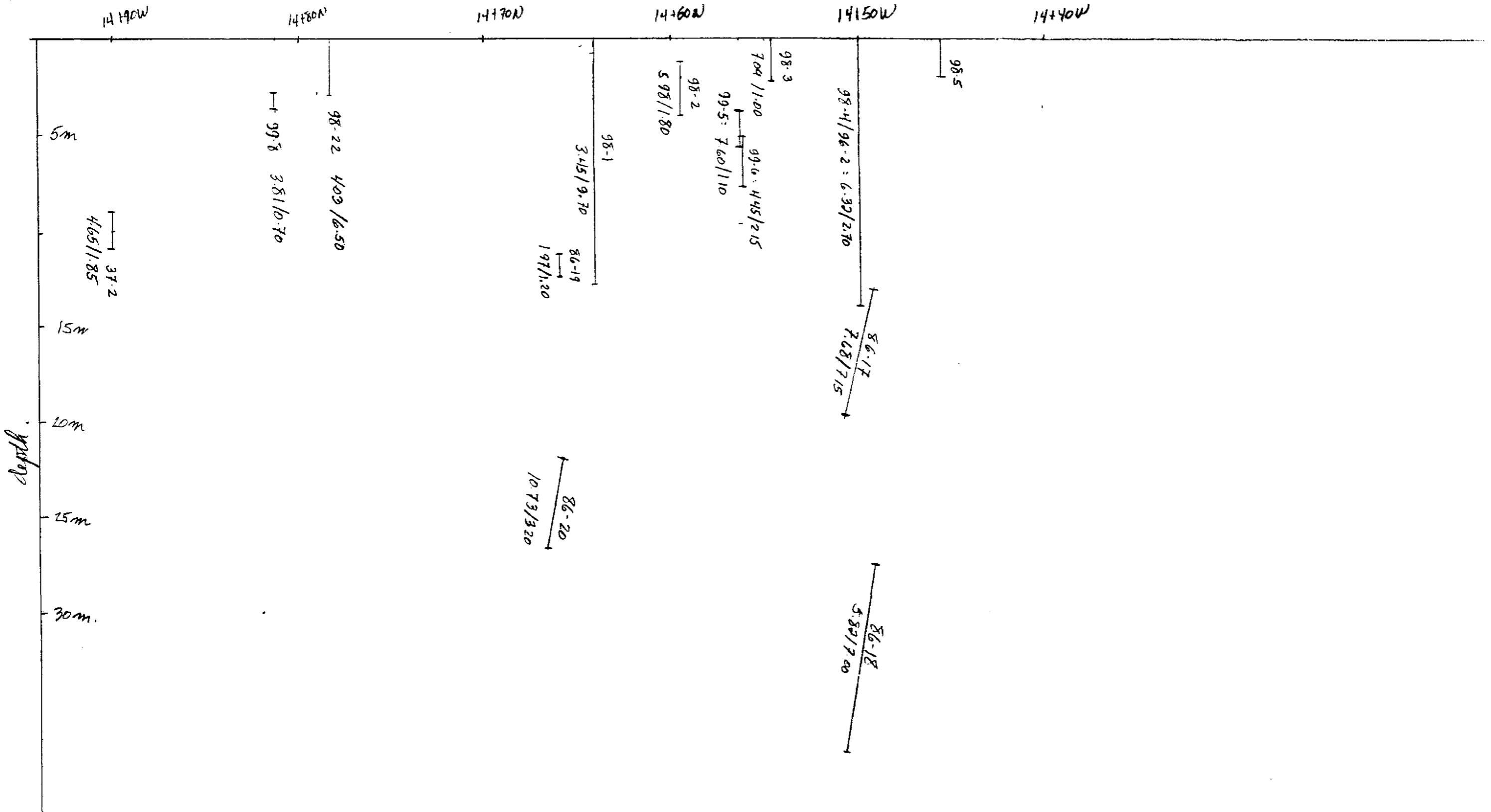
DUPLICATE COPY



Scale 1:200

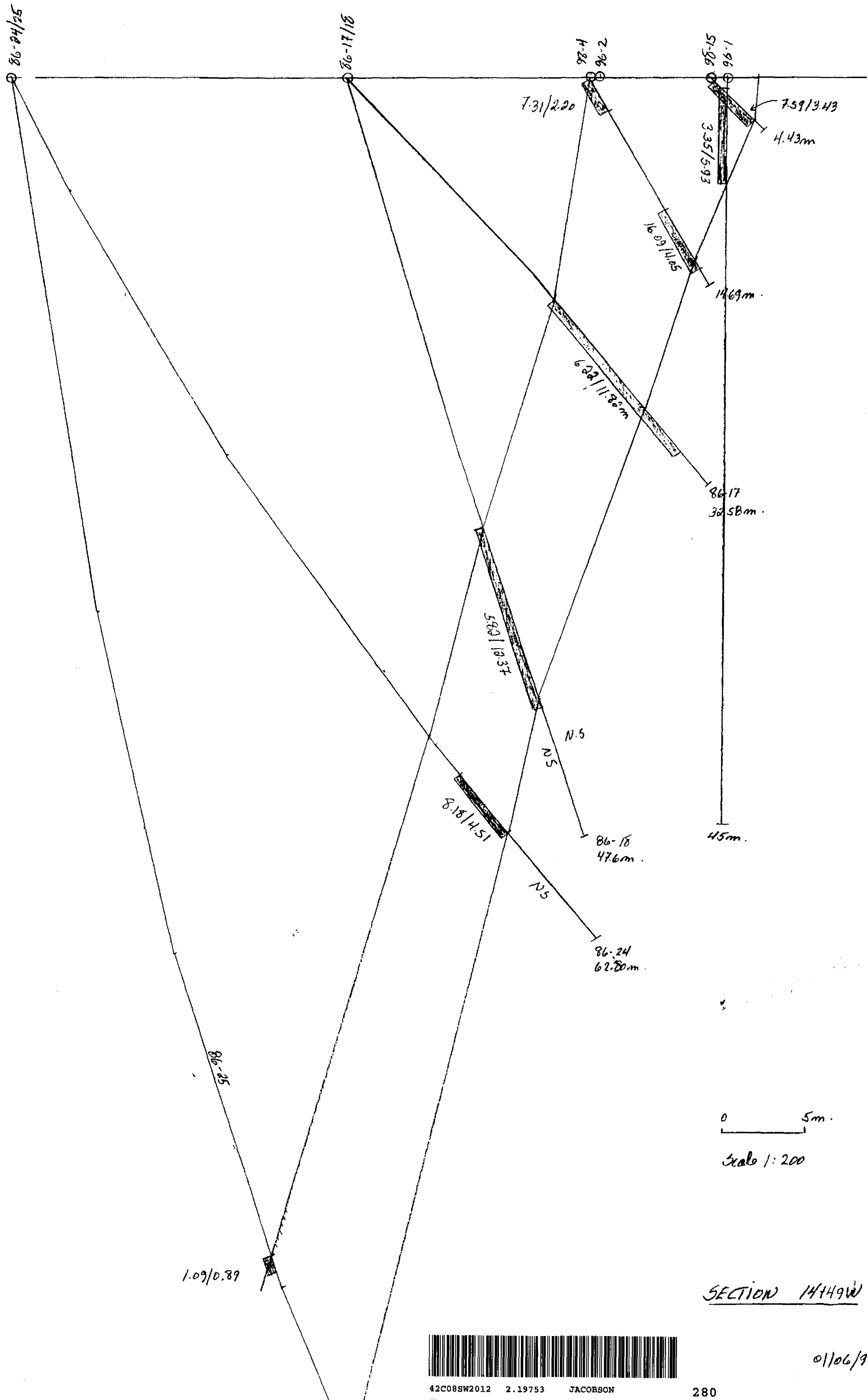
Samalas  
 2113  
 2112  
 2111





North zone longitudinal near surface





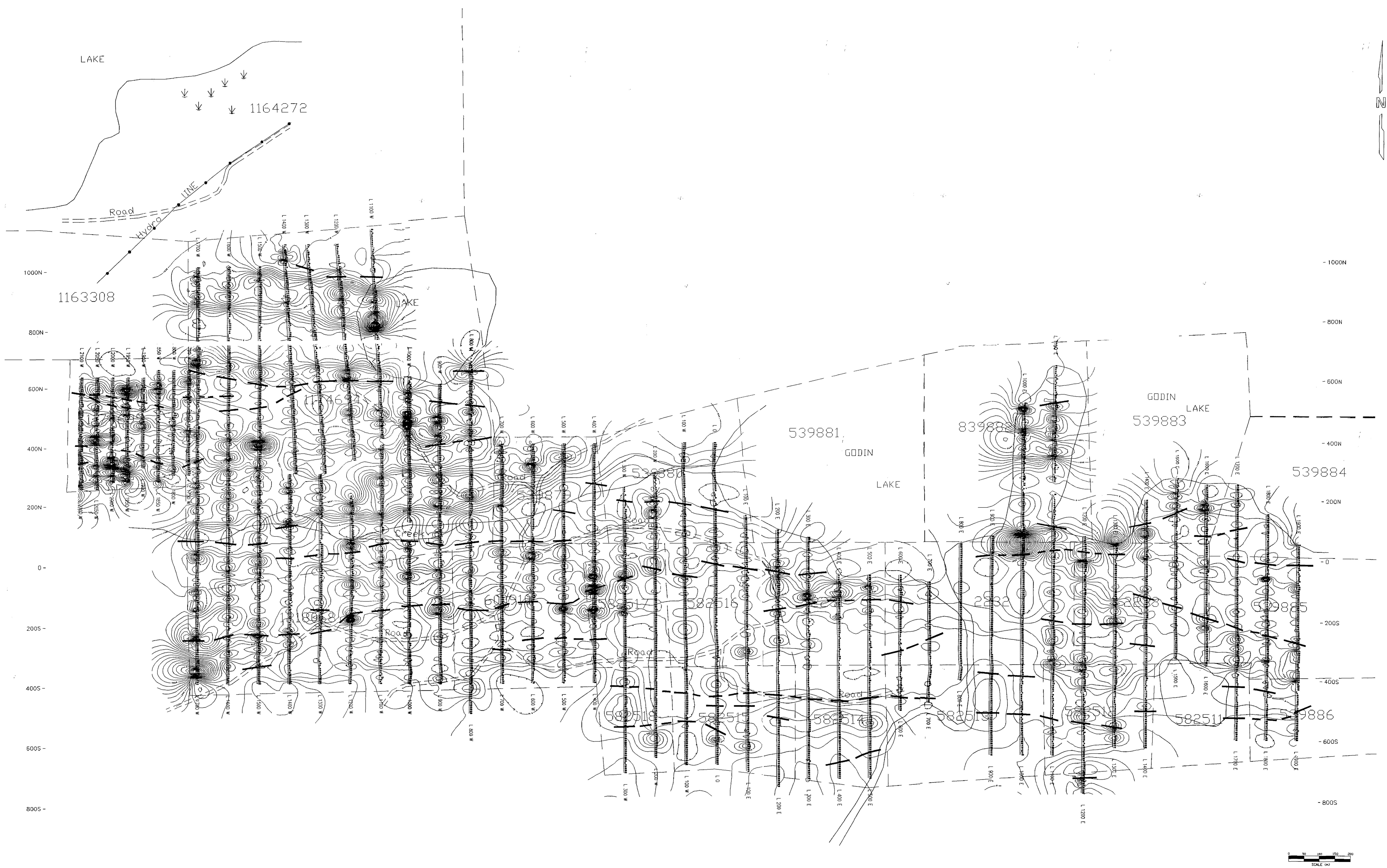
SECTION 1449W

0 5m.  
Scale 1:200

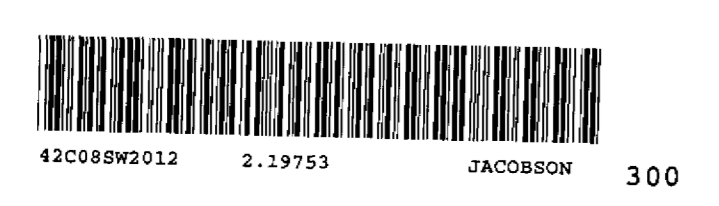


01/06/99





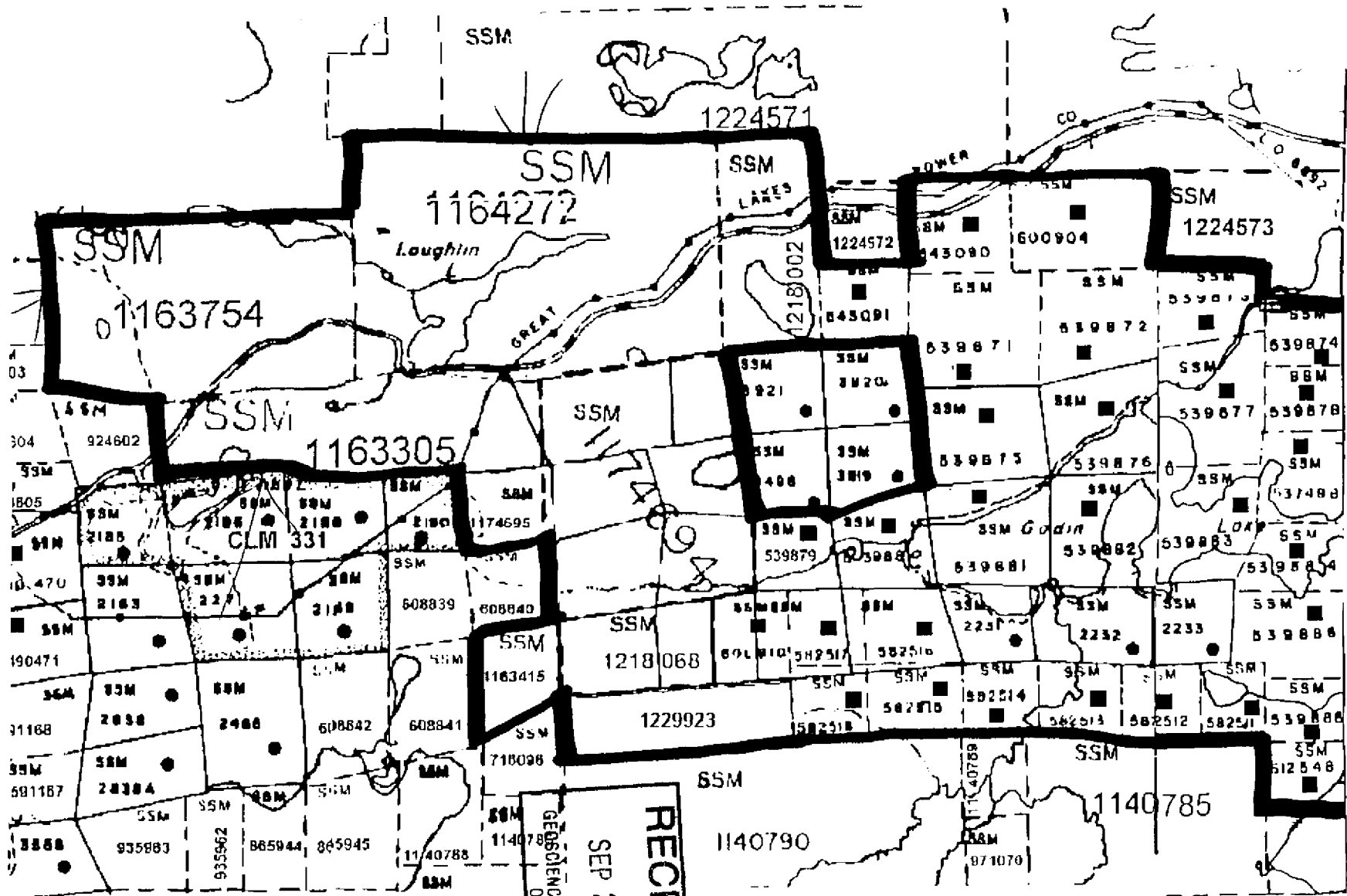
**LEGEND**  
 Instrument:  
 Parameters Measured: Earth's total magnetic field  
 Accuracy: +/- 0.1 nano-teslas  
 Diurnal: Corrected by base station recorder  
 Contour Interval: 0,200,400,600,800.....  
 Reference Field:  
 Datum Subtracted: 58,000 gammas



**EXSICS EXPLORATION LTD.**  
 P.O. Box 1880, P4N-7X1  
 Suite 13, Hollinger Bldg, Timmins Ont.  
 Telephone: 705-267-4151

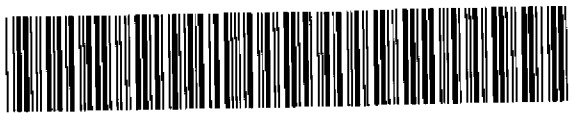
CLIENT: PELE MOUNTAIN RESOURCES  
 PROPERTY: WAWA PROJECT  
 TITLE: JACOBSON TWP  
 MAGNETOMETER SURVEY

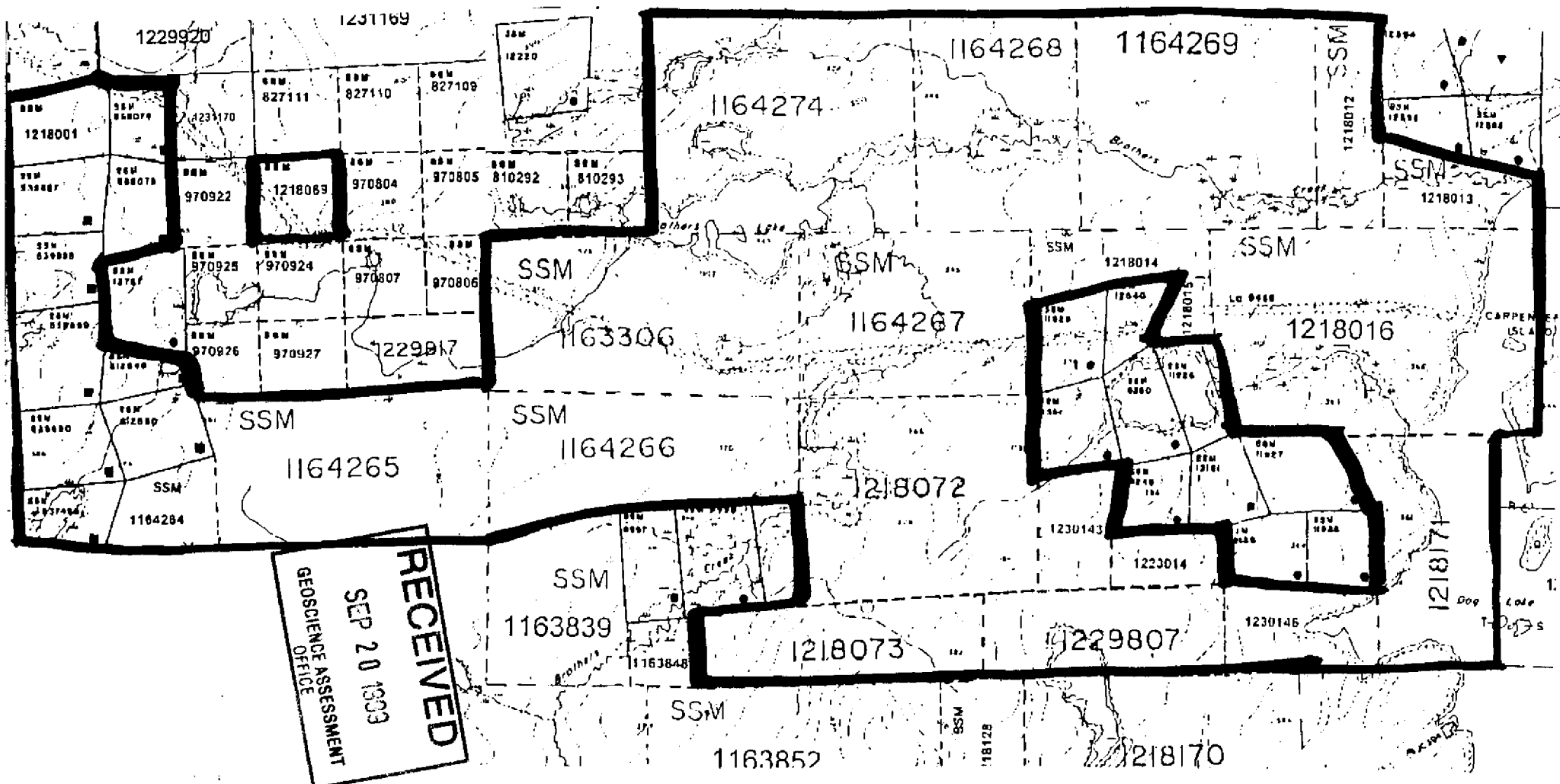
Date: Sept. 1997 Scale: 1:5000 NTS:  
 Drawn: P. Gauthier Interp: J. C. Grant Job No.: E-267



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 SEP 20 2009  
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 OFFICE

JACOBSON TWP.





**RECEIVED**  
SEP 20 1993  
GEOSCIENCE ASSESSMENT  
OFFICE

RIGGS TWP.

