

42A07NW0020 34 MACKLEM

010

DIAMOND DRILLING

TOWNSHIP: MACLEM

REPORT NO:34

WORK PERFORMED FOR: Kidd Creek Mines Ltd.

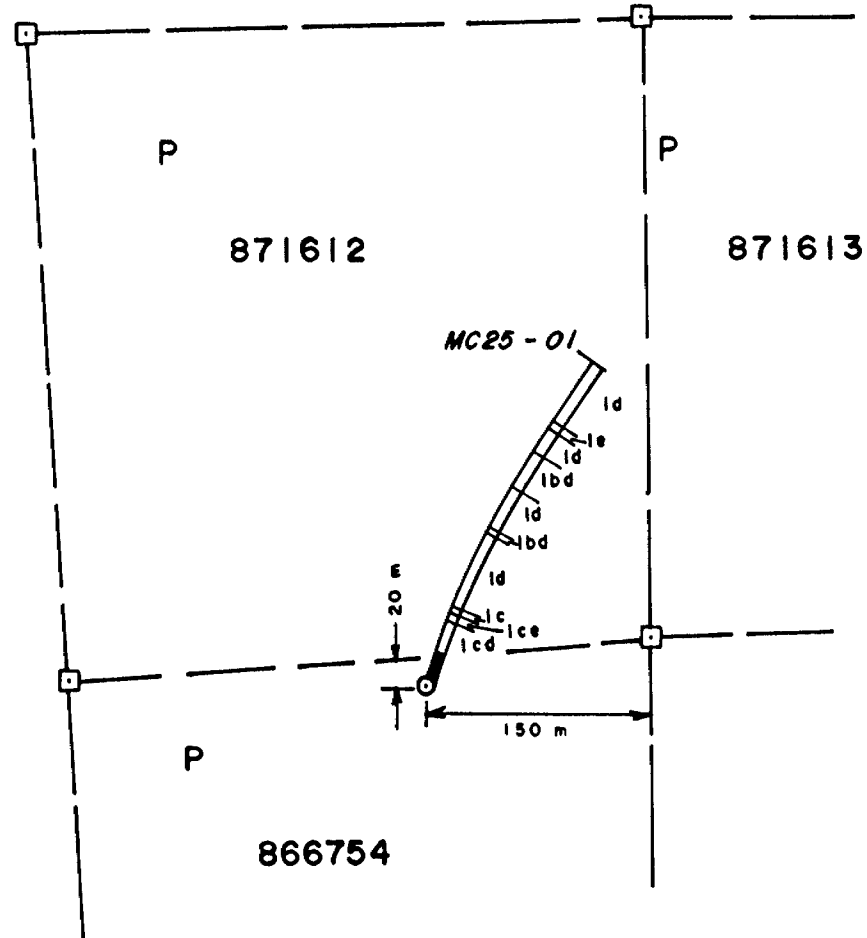
RECORDED HOLDER: Same as Above [xx]  
: Other [ ]

<u>Claim No.</u>	<u>Hole No.</u>	<u>Footage</u>	<u>Date</u>	<u>Note</u>
P 871612	MC-25-1	384m	Oct/86	(1)
	MC-25-2	300m	Oct/86	(1)
P 871612 & P 871613	MC-25-3	<u>251m</u> 935	Oct-Nov/86	(1)

NOTES: (1) #278-87, filed in April/88.



I	CALC-ALKALIC MAFIC VOLCANIC
a	massive
b	pillowed
c	fragmental
d	amygdaloidal
e	sericitic altered
f	intensely carbonated



<b>KIDD CREEK MINES LTD.</b>	
Exploration Division	Timmins, ONTARIO
UNITED KINGDOM OPTION	
MACKLEM 25	
MACKLEM Twp.	
DRILL PLAN FOR	
<b>MC25 - 01</b>	
SCALE: 1 : 5,000	Data: Cecchetto
Drawn: DEL	Project N°: 8104
	Date: 29/04 / 87

*James K. Cecchetto*

TL 800 S

025°

MC25-01

35.0 m

337/1.5  
103/1.5

AD05526

538/1.2

Mafic fragmental

Sericitic mafic fragmental

Mafic fragmental

Mafic volcanic

Pillowed mafic volcanic

Mafic volcanic

299/0.6

Pillowed mafic volcanic

Mafic volcanic

AD05527

Sericitic alteration zone

175/1.0

121/1.5

201/1.5

AD05528

Mafic volcanic

384.0 m

P 866754

P 871612

FOLIATION

AD05526 W. R. A. and MEEP SAMPLE

GOLD ASSAYS  $\frac{\text{part per billion}}{\text{metre}}$

Au > 100 ppb

FALCONBRIDGE LTD.

Exploration Division

Timmins, ONTARIO

UNITED KINGDOM OPTION  
MACKLEM 25  
MACKLEM Twp.

SECTION FOR  
MC25-01

LOOKING NW

SCALE: 1 : 2,000

Date: Cecchetto

Drawn: DEL

Project No: 8104

Date: 02/10/87



FROM - TO		DESCRIPTION	SAMPLE NO.	FROM — TO	SAMPLE LENGTH	ASSAYS			
0	35.0	OVERBURDEN							
35.0	87.1	MAFIC FRAGMENTAL							
		- fine grained, light green to dark greenish-black							
		- 3 fragment types observed; i) 90% fragments are a distinct pale green, fine grained, amygdaloidal and exhibit sharp contacts. Vary in size from 1X2 cm, up to 20 cm ii) 8% of fragments are highly amygdaloidal, up to 30% iii) 2% variolitic fragments. Subround coalescing pale green spots 1-2mm							
		- 10% of unit is distinct fragments, recognition of other fragments is obscured by alteration							
		- very strongly foliated at 35° to core axis							
		ALTERATION:							
		- moderate pervasive carbonate and 5-10% carbonate dumping in irregular masses from 0.5cm to 2cm in width.							
		- moderate pervasive chlorite throughout, 0.5mm to 5mm strongly chloritic blebs elongated in plane of foliation occur locally.							
		- Sericite occurs locally varying in intensity from wispy streaks on foliation planes to strongly pervasive zones							
		MINERALIZATION:							
		- 1% pyrite occurs locally, associated mainly with quartz/carbonate veins and masses. Pyrite also occurs along foliation planes.							
		VEINING:							
		- minor quartz/carbonate veins averaging 1cm occur in two general orientations; i) 35°-50° to core axis perpendicular to foliation							
		ii) 35° to core axis parallel to foliation							
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FROM - TO	DESCRIPTION	SAMPLE NO. AD	FROM — TO		SAMPLE LENGTH	ASSAYS			
			Metres			Au			
						ppb			
	- irregular shaped quartz/carbonate patches occur locally, approximately 5-10% of unit								
	- thin 1mm carbonate veinlets sub-parallel to core axis occur locally								
	- 35.0 - 36.5: weak sericite, moderate carbonate dumping	5555	35.0	36.5	1.5	10			
	- 36.5 - 38.0: as above, 5% 1cm quartz/carbonate veins	5556	36.5	38.0	1.5	7			
	- 38.0 - 39.5: as above, strongly foliated	5557	38.0	39.5	1.5	2			
	- 39.5 - 41.0: as above	5558	39.5	41.0	1.5	4			
	- 41.0 - 42.5: as above	5559	41.0	42.5	1.5	6			
	- 42.5 - 44.0: as above	5560	42.5	44.0	1.5	11			
	- 44.5 - 45.3: mafic dike?	5561	44.0	45.5	1.5	337			
	- very fine grained, spotty chlorite, 5% - .5-1mm euhedral carbonate grains. Very weakly foliated								
	- 45.8 - 48.5: mafic dike?	5562	45.5	47.0	1.5	10			
	- very fine grained, 5% - 1-2mm euhedral fractured controlled carbonate grains. 1/2% pyrite	5563	47.0	48.5	1.5	103			
	- 48.5 - 50.0: moderate pervasive carbonate, weak sericite	5564	48.5	50.0	1.5	6			
	- 50.0 - 51.5: as above	5565	50.0	51.5	1.5	6			
	- 51.6 - 51.8: highly weathered aquifer zone								
	- 51.5 - 53.0: weak sericite, 2% carbonate veins	5566	51.5	53.0	1.5	4			
	- 53.0 - 54.5: as above	5567	53.0	54.5	1.5	14			
	- 54.5 - 56.0: weak-moderate sericite	5568	54.5	56.0	1.5	12			
	56.0 - 57.5: as above, 2.5cm quartz/carbonate vein	5569	56.0	57.5	1.5	8			
	- 57.5 - 59.0: as above, 2% carbonate veins	5570	57.5	59.0	1.5	10			

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FROM - TO	DESCRIPTION	SAMPLE NO.	FROM — TO		SAMPLE LENGTH	ASSAYS			
			AD	m		Au			
						ppb			
	- 59.0 - 60.5: as above	5571	59.0	60.5	1.5	7			
	- 60.5 - 62.0: as above	5572	60.5	62.0	1.5	6			
	- 62.0 - 63.5: as above	5573	62.0	63.5	1.5	6			
	- 63.5 - 65.0: as above, <2% quartz/carbonate veins	5574	63.5	65.0	1.5	8			
	- 65.0 - 66.5: as above, 4 cm quartz/carbonate vein	5575	65.0	66.5	1.5	4			
	- 66.5 - 68.0: moderate carbonate, sericite, <2% quartz/carbonate veins	5576	66.5	68.0	1.5	14			
	- 68.0 - 69.0: as above	5577	68.0	69.0	1.0	22			
	- 69.0 - 69.7: moderate carbonate, sericite, 20% quartz/carbonate veins	5578	69.0	69.7	0.7	3			
	-								
	- 70.0 - 83.3: moderate to strong sericitic zone								
	- 10-15% quartz/carbonate veins, chrome mica, <1% pyrite/chalcopyrite								
	- 69.7 - 71.0: moderate sericite, 5% quartz/carbonate masses	5579	69.7	71.0	1.3	6			
	- 71.0 - 72.5: moderate sericite, 4cm quartz/carbonate vein	5580	71.0	72.5	1.5	42			
	- 72.5 - 74.0: moderate sericite	5581	72.5	74.0	1.5	16			
	- 74.0 - 75.5: as above	5582	74.0	75.5	1.5	10			
	- 75.5 - 77.0: as above, 20% quartz/carbonate veining	5583	75.5	77.0	1.5	3			
	- 77.0 - 78.5: moderate sericite, 5% quartz/carbonate veining	5584	77.0	78.5	1.5	2			
	- 78.5 - 80.0: moderate sericite, 5-10% quartz/carbonate veining, green mica, 1% pyrite	5585	78.5	80.0	1.5	3			
	- 80.0 - 81.3: strongly sericitic, 5-10% quartz/carbonate, <1% pyrite/arsenopyrite?	5586	80.0	81.3	1.3	4			
	- 81.3 - 82.5: as above with 25% quartz/carbonate, <1% chalcopyrite	5587	81.3	82.5	1.2	538			

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HOLE NO. MC-25-1 PAGE NO.3

FROM - TO	DESCRIPTION	SAMPLE NO. AD	FROM TO		SAMPLE LENGTH	ASSAYS			
			m			Au			
						ppb			
	- 82.5 - 84.0: moderate to strong sericite, 5% quartz/carbonate, 2.5cm pink quartz/carbonate vein	5588	82.5	84.0	1.5	6			
	- 84.0 - 85.5: moderate sericite, 5% quartz/carbonate, <1/2% chalcopyrite	5589	84.0	85.5	1.5	8			
	- 85.5 - 87.0: moderate sericite, <5% quartz/carbonate	5590	85.5	87.0	1.5	4			
	- 87.0 - 88.5: weak-moderate sericite, <2% quartz/carbonate	5591	87.0	88.5	1.5	2			
87.1	384.0								
	MAFIC VOLCANIC								
	- fine grained, dark green to greenish-black								
	- no observable fragments, although some may be obscured due to alteration								
	- unit is variable and is likely made up of a series of similar flows								
	- local variolitic patches occur between 103.7 - 172.5, <2% of interval								
	- carbonate amygdules occur throughout varying in density from <4% to >30%, range in size from 1mm-10mm, are round to irregular in shape and are generally elongated in the plane of foliation								
	- pillow selveges are distinct locally between 178.0 - 182.0 and 276.0 - 299.9. Possibly pillowed from 233.4 - 276.0								
	- where unit is distinctly pillowed selveges are 0.5m apart and 5-10cm wide, pillows are amygdaloidal								
	- unit moderately to strongly foliated generally at 35° to core axis, but ranges from 25°-45° to core axis								
	ALTERATION:								
	- weak pervasive carbonate, locally moderate								
	- carbonate dumping occurs throughout from <2% to 30%								
	- 1mm wide crenulated carbonate veinlets, 0.5 - 1cm apart and sub-parallel to core axis occur locally								
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FROM - TO	DESCRIPTION	SAMPLE NO. AD	FROM TO		SAMPLE LENGTH	ASSAYS			
			m			Au			
	- carbonate material in amygdules and in irregular patches has a distinct pink-purple colour from 191.0 to 384.0 possibly due to hematite impurities								
	- moderate pervasive chlorite. Strongly chloritic angular blebs 1-5mm wide occur locally up to 10%								
	- sericite occurs locally from weak to moderate fracture controlled to strongly pervasive. Sericite alteration overprints carbonate and chlorite alteration								
	VEINING:								
	- approximately 5% veining occurs throughout unit (s). Three types of veins are recognized; i) 80% 1cm quartz/carbonate veins. ii) 10% 1-2cm quartz veins iii) 10% 1mm crenulated carbonate veins spaced 0.5 - 1cm apart.								
	- 2 general orientations are dominant; i) 85% sub-parallel to foliation, 25° to 45° to core axis ii) 15% 35°-55° to core axis perpendicular to foliation								
	This group commonly crosscuts the first group.								
	- Crenulated carbonate veinlets are generally sub-parallel to core axis but may assume any orientation.								
	- 5-10% quartz/carbonate masses occur throughout reaching 40% locally. Increased amounts are noticed in the highly sericitic zones								
	- 88.5 - 90.0: 5% <1cm quartz/carbonate veins	5592	88.5	90.0	1.5	3			
	- 90.0 - 91.5: as above	5593	90.0	91.5	1.5	2			
	- 91.5 - 93.0: as above	5594	91.5	93.0	1.5	3			
	- 93.0 - 94.5: as above	5595	93.0	94.5	1.5	10			
	- 94.5 - 96.0: as above	5596	94.5	96.0	1.5	8			
	- 96.0 - 97.5: as above	5597	96.0	97.5	1.5	6			

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FROM - TO	DESCRIPTION	SAMPLE NO.	FROM — TO		SAMPLE LENGTH	ASSAYS			
			AD	m		Au			
						ppb			
	- 97.3 - 100.2: moderately sericitized zone								
	- 30-40% quartz/carbonate dumping, emerald green mica present (fuchsite?)								
	- strongly foliated 35° to core axis								
	- 97.5 - 98.5: moderate sericite, 2.5cm quartz/carbonate vein, 5% quartz/carbonate dumping	5598	97.5	98.5	1.5	4			
	- 98.5 - 99.5: moderate sericite, green mica, 3cm quartz/carbonate vein, 25% quartz/carbonate dumping	5599	98.5	99.5	1.5	14			
	- 99.5 - 101.0: moderate sericite, <5% quartz/carbonate dumping	5600	99.5	101.0	1.5	8			
	- 101.0 - 102.0: as above, 5cm quartz vein	5601	101.0	102.0	1.0	21			
	- 102.0 - 103.5: moderate sericite, 5% quartz/carbonate dumping	5602	102.0	103.5	1.5	10			
	- 103.7-104.7: 3 cm quartz/carbonate vein, 5% carbonate dumping	5603	103.7	104.7	1.0	16			
	- 108.0 - 109.0: 2cm quartz vein, < 1% chalcopryite	5604	108.0	109.0	1.0	5			
	- 110.5 - 112.0: weak sericite, 5% quartz/carbonate veins	5605	110.5	119.0	1.5	3			
	- 115.5 - 117.0: 1cm quartz/carbonate vein, 2% quartz/carbonate dumping	5606	120.5	122.0	1.5	8			
	- 120.5 - 122.0: 1-2cm quartz/carbonate vein	5607	122.0	123.5	1.5	5			
	- 122.0 - 123.5: as above	5608	123.5	125.0	1.5	3			
	- 123.5 - 125.0: as above	5609	127.5	129.0	1.5	3			
	- 127.5 - 129.0: as above	5610	127.5	129.0	1.5	3			
	- 129.0 - 130.5: as above	5611	129.0	130.5	1.5	3			
	- 130.5 - 132.0: 1-2 cm quartz/carbonate vein, <2% quartz/carbonate dumping	5612	130.5	132.0	1.5	2			
	- 134.0 - 135.0: 2-3cm quartz/carbonate veins	5613	134.0	135.0	1.0	7			
	- 135.0 - 136.0: as above with <1% chalcopryite	5525	135.0	136.0	1.0	14			
	- 139.0 - 140.5: quartz/carbonate stringers, <2% carbonate dumping	5614	139.0	140.5	1.5	6			
	- 140.5 - 142.0: as above with <1% chalcopryite	5615	146.5	148.0	1.5	4			
	- 146.5 - 148.0: 2% carbonate dumping, 1cm pink carbonate vein	5616	146.5	148.0	1.5	4			
	- 148.0 - 149.0: 3cm quartz/carbonate vein, <1% pyrite	5617	148.0	149.0	1.0	3			

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HOLE NO. MC25-1

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FROM - TO	DESCRIPTION	SAMPLE NO. AD	FROM — TO		SAMPLE LENGTH	ASSAYS			
			m			Au			
						pph			
	- 155.5 - 156.5: <5% carbonate dumping, 2cm quartz vein	5618	155.5	156.5	1.0	3			
	- 163.5 - 165.0: 2cm quartz vein, <5% carbonate dumping	5619	163.5	165.0	1.0	4			
	- 169.0 - 171.5: 7cm quartz vein with 1% pyrite	5620	169.0	171.5	1.5	2			
	- 175.0 - 176.0: 1cm quartz/carbonate vein with 1% pyrite	5621	175.0	176.0	1.0	2			
	- 176.0 - 177.0: 1cm quartz/carbonate vein with <1/2% chalcopryrite	5622	176.0	177.0	1.0	2			
	- 178.5 - 180.0: 5cm quartz/carbonate vein with <1/2% chalco-pyrite, <1% pyrite crystals								
	- 181.0 - 182.0: 4-1cm quartz/carbonate veins, >5% carbonate dumping	5623	178.5	180.0	1.5	2			
	- 185.0 - 186.5: 10% carbonate dumping	5624	181.0	182.0	1.0	2			
	- 186.5 - 188.0: as above	5625	185.0	186.5	1.5	4			
	- 188.0 - 189.5: as above	5626	186.5	188.0	1.5	3			
	- 190.0 - 191.5: as above	5627	188.0	189.5	1.5	2			
	- 196.0 - 197.5: 10-15% carbonate dumping	5628	190.0	191.5	1.5	2			
	- 200.5 - 202.0: as above with <1% pyrite	5629	196.0	197.5	1.5	2			
	- 202.0 - 203.5: <10% carbonate dumping, <1% pyrite crystals	5630	200.5	202.0	1.5	3			
	- 202.0 - 203.5: <10% carbonate dumping, <1% pyrite crystals	5631	202.0	203.5	1.5	2			
	- 203.5 - 205.0: as above	5632	203.5	205.0	1.5	2			
	- 205.0 - 206.5 <10% carbonate dumping, 2cm quartz/carbonate vein, <1/2% pyrite	5633	205.0	206.5	1.5	2			
	- 208.0 - 209.5: moderate sericite patch, <1% pyrite crystals	5641	208.0	209.5	1.5	2			
	- 212.0 - 213.5: moderate sericite patch, <1% pyrite	5642	212.0	213.5	1.5	23			
	- 216.0 - 217.5: 2% quartz/carbonate dumping, <1% pyrite	5643	216.0	217.5	1.5	6			
	- 217.5 - 219.0: <2% quartz/carbonate dumping, pyritic patches	5644	217.5	219.0	1.5	15			
	- 219.0 - 224.0: two zones of >40% quartz/carbonate dumping and 1% pyrite. A 20 cm quartz vein with 5% pyrite, chloritic inclusions and 2% tourmaline (?) occurs between 219.0 - 224.0								

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PROPERTY MacTem 25

HOLE NO. MC-25-1 PAGE NO. 7

FROM - TO	DESCRIPTION	SAMPLE NO.	FROM — TO		SAMPLE LENGTH	ASSAYS			
			m			Au			
						ppb			
	- 219.0 - 220.5: 15-20% quartz/carbonate dumping, <1% disseminated pyrite	5645	219.0	220.5	1.5	12			
	- 220.5 - 222.0: massive, <1% pyrite	5646	220.5	222.0	1.5	5			
	- 222.0 - 222.9: 5% quartz carbonate dumping	5647	222.0	222.9	0.9	3			
	- 222.9 - 223.5: 20 cm quartz vein, <5% pyrite	5648	222.9	223.5	0.6	299			
	- 223.5 - 225.0: 8cm quartz vein 1% pyrite, <5% quartz/carbonate dumping	5649	223.5	225.0	1.5	4			
	- 229.5 - 231.0: weak sericite, 2-1cm quartz vein, <1% pyrite	5650	229.5	231.0	1.5	3			
	- 231.0 - 232.5: moderate sericite, 5-10% carbonate veinlets	5651	231.0	232.5	1.5	17			
	- 232.5 - 234.0: moderate sericite, 2-3cm quartz/carbonate veins with 5% pyrite	5652	232.5	234.0	1.5	16			
	- 234.5 - 235.5: weak sericite, <1% pyrite	5653	234.5	235.5	1.0	13			
	- 237.0 - 238.5: 2-1cm quartz/carbonate veins	5654	237.0	238.5	1.5	25			
	- 239.0 - 239.25: quartz/carbonate stockwork @ 30° to core axis parallel to foliation, 5% pyrite along foliation planes								
	- 238.5 - 239.5: quartz/carbonate zone, <5% pyrite	5655	238.5	239.5	1.0	19			
	- 239.5 - 241.0: 5-10% quartz/carbonate dumping, <5% pyrite locally	5656	239.5	241.0	1.5	82			
	- 241.5 - 242.5: 5-10% quartz/carbonate dumping, <1% pyrite	5657	241.5	242.5	1.0	6			
	- 245.5 - 247.0: 5-10% carbonate dumping, <1% pyrite	5658	245.5	247.0	1.5	75			
	- 247.0 - 248.5: as above	5659	247.0	248.5	1.5	57			
	- 250.0 - 251.5: 3cm quartz vein 3% pyrite	5660	250.0	251.5	1.5	4			
	- 252.5 - 254.0: 5% carbonate dumping <1% pyrite	5661	252.5	254.0	1.5	50			
	- 254.0 - 255.5: 2% carbonate dumping <1% pyrite	5662	254.0	255.5	1.5	2			
	- 255.5 - 257.0: as above	5663	255.5	257.0	1.5	2			
	- 257.0 - 258.5: as above, hematite rich carbonate veins and amygdules	5664	257.0	258.5	1.5	2			
	- 260.5 - 262.0: 10% carbonate dumping	5665	260.5	262.0	1.5	2			
	- 262.0 - 263.5: 15% carbonate dumping, <1/2% pyrite	5666	262.0	263.5	1.5	4			

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HOLE NO. Mc-25-1 PAGE NO. 8



FROM - TO	DESCRIPTION	SAMPLE NO. AD	FROM — TO		SAMPLE LENGTH	ASSAYS checked			
			m			Au ppb	Au oz/ton	Au ppb	Au Oz/ton
	- 308.0 - 309.0: moderate sericite, 20% quartz/carbonate dumping and veins, 1% pyrite	5636	308.0	309.0	1.0	12	Tr	14	Tr.
	- 309.0 - 310.0: as above	5637	309.0	310.0	1.0	32	.014	31	Tr.
	- 310.0 - 311.0: strong sericite, 20% quartz/carbonate dumping and veins, 1% pyrite	5638	310.0	311.0	1.0	69	.018	117	Tr.
	- 311.0 - 312.0: strong sericite, 40% quartz/carbonate dumping and veins, 1% pyrite	5639	311.0	312.0	1.0		Tr	84	Tr.
	- 312.0 - 313.0: moderate to strong sericite, 20% quartz/carbonate, 1% pyrite	5640	312.0	313.0	1.0	4	Tr	8	Tr.
	- 313.0 - 314.0: moderate sericite, >5% quartz/carbonate, <1% pyrite	5160	313.0	314.0	1.0	175			
	- 314.0 - 315.5: weak sericite, >5% quartz/carbonate	5161	314.0	315.5	1.5	15			
	- 318.0 - 319.5: 5% quartz/carbonate dumping, <1% pyrite	5675	318.0	319.5	1.5	14			
	- 324.0 - 325.5: weak sericite, <5% quartz/carbonate dumping	5676	324.0	325.5	1.5	59			
	- sericite altered zone from 325.5 - 340.5, weak to moderate sericite alteration not as altered as zone from 305.0 - 314.0								
	- 325.5 - 327.0: moderate sericite patches, >1% pyrite	5677	325.5	327.0	1.5	121			
	- 327.0 - 328.5: moderate sericite, 5-10% quartz/carbonate, >1% pyrite	5678	327.0	328.5	1.5	4			
	- 328.5 - 330.0: as above	5679	328.5	330.0	1.5	67			
	- 330.0 - 331.5: weak sericite, 5% quartz/carbonate dumping	5680	330.0	331.5	1.5	8			
	- 331.5 - 333.0: weak-strong sericite, >1% pyrite	5681	331.5	333.0	1.5	29			
	- 333.0 - 334.5: moderate sericite, 5% quartz/carbonate	5682	333.0	334.5	1.5	22			
	- 336.0 - 337.5: moderate sericite patches	5683	336.0	337.5	1.5	16			
	- 337.5 - 339.0: weak sericite, <5% quartz/carbonate dumping, 1% pyrite	5684	337.5	339.0	1.5	201			
	- 339.0 - 340.5: moderate sericite, <1% pyrite	5685	339.0	340.5	1.5	16			
	- 340.5 - 342.0: <5% quartz/carbonate dumping	5686	340.5	342.0	1.5	2			
	- 342.0 - 343.5: as above	5687	342.0	343.5	1.5	4			

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PROPERTY MacKlem 25

HOLE NO. Mc25-1 PAGE NO. 10

FROM - TO	DESCRIPTION	SAMPLE NO. AD	FROM — TO		SAMPLE LENGTH	ASSAYS			
			m			Au			
	- 345.0 - 346.5: 5% quartz/carbonate dumping, <1% pyrite	5688	345.0	346.5	1.5	2			
	- 346.5 - 348.0: <5% quartz/carbonate	5689	346.5	348.0	1.5	5			
	- 348.0 - 349.5: as above, <1% pyrite	5690	348.0	349.5	1.5	16			
	- 351.0 - 352.5: <5% quartz/carbonate dumping, 4cm quartz vein, 1% chalcopyrite	5691	351.0	352.5	1.5	4			
	- 352.0 - 354.0: <5% quartz/carbonate dumping	5692	352.5	354.0	1.5	4			
	- 354.0 - 355.5: as above	5693	354.0	355.5	1.5	8			
	- 355.5 - 357.0: as above, 1% pyrite	5694	355.5	357.0	1.5	11			
	- 360.0 - 361.5: <3% quartz/carbonate dumping	5695	360.0	361.5	1.5	2			
	- 363.0 - 364.5: weak sericite, 1% chalcopyrite/pyrite	5696	363.0	364.5	1.5	8			
	- 364.5 - 366.0: weak sericite	5697	364.5	366.0	1.5	3			
	- 366.0 - 367.5: weak sericite	5698	366.0	367.5	1.5	6			
	- 370.5 - 372.0: weak sericite	5699	370.5	372.0	1.5	11			
	- 372.0 - 373.5: weak sericite	5700	372.0	373.5	1.5	13			
	- 373.5 - 375.0: weak sericite >1% pyrite	5151	373.5	375.0	1.5	12			
	- 375.0 - 376.5: weak sericite <1% pyrite	5152	375.0	376.5	1.5	73			
	- 376.5 - 378.0: weak sericite	5153	376.5	378.0	1.5	14			
	- 378.0 - 379.5: weak sericite	5154	378.0	379.5	1.5	38			
	- 379.5 - 381.0: weak sericite <1% pyrite	5155	379.5	381.0	1.5	13			
	- 381.0 - 382.5: weak sericite	5156	381.0	382.5	1.5	60			
384.0	END OF HOLE								
	Representative samples for WRA, MEEP								
	Mafic fragmental	5526	53.8	53.9	0.10				
	Sericite alteration zone	5527	308.9	309.0	0.10				
	Mafic volcanic	5528	357.0	357.1	0.10				

LOGGED BY: J.K. Cecchetto

DATE: Oct 28/86

PROPERTY MacKlem 25

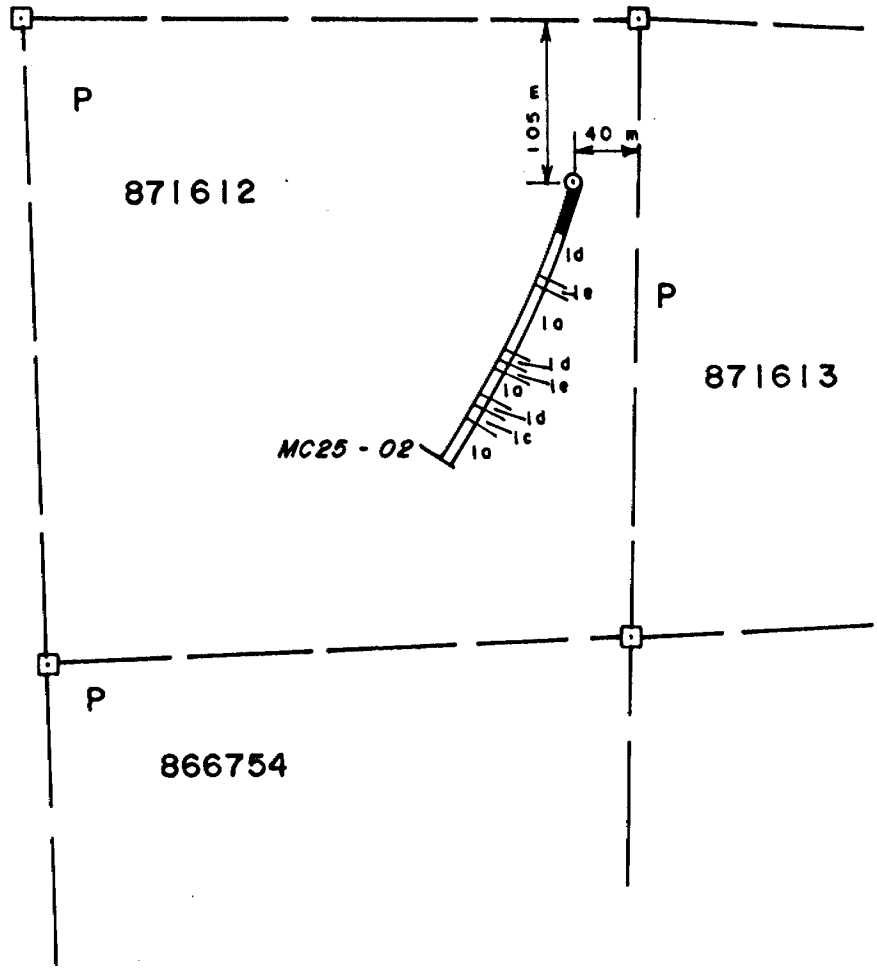
HOLE NO. Mc-25-1 PAGE NO. 11



1	CALC-ALKALIC MAFIC VOLCANIC
a	massive
b	pillowed
c	fragmental
d	amygdaloidal
e	sericitic altered
f	intensely carbonated

<b>KIDD CREEK MINES LTD.</b>	
Exploration Division	Timmins, ONTARIO
UNITED KINGDOM OPTION	
MACKLEM 25	
MACKLEM Twp.	
DRILL PLAN FOR	
<b>MC25 - 02</b>	
SCALE: 1 : 5,000	Date: Cecchetto
Drawn: D E L	Project N°: 8104
Date: 29/04/87	

*James K. Cecchetto*

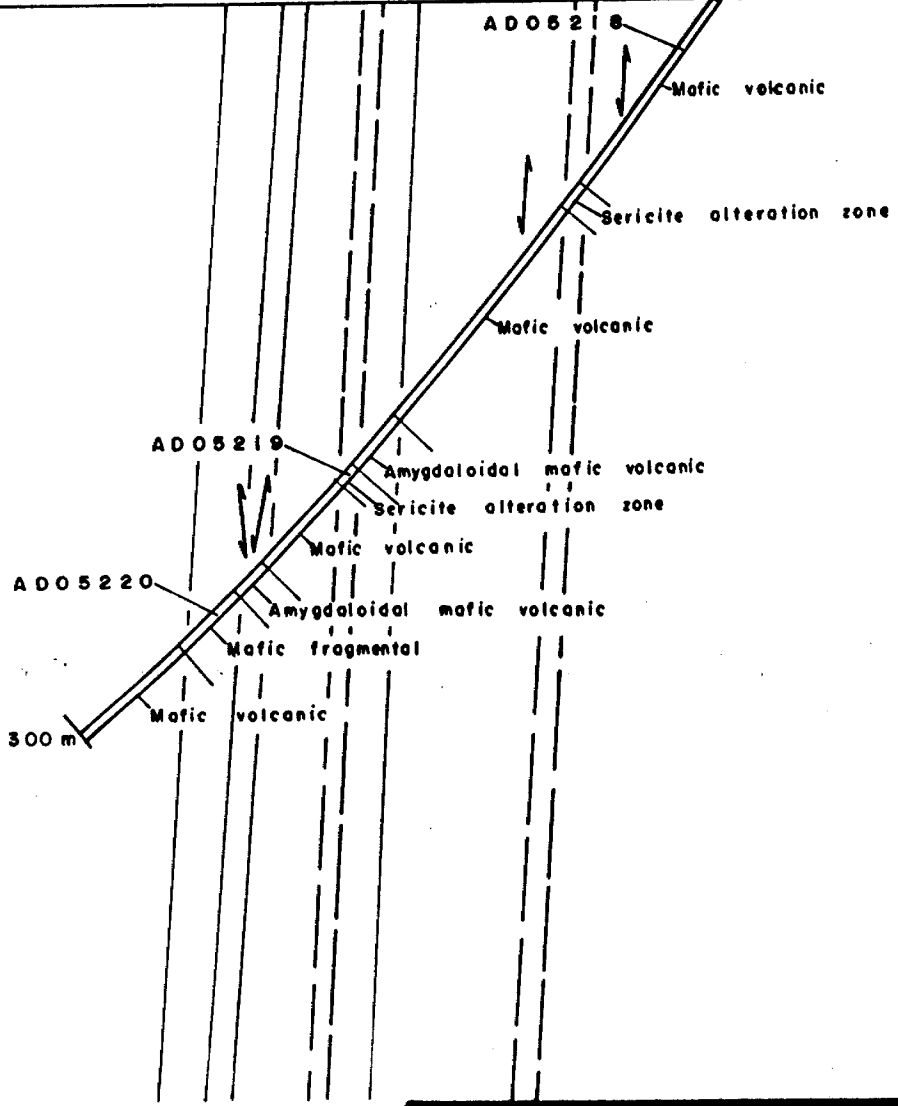




← 205°

500 S

MC25 - 02



ADO5220 W. R. A. and MEEP SAMPLE

FOLIATION

<b>KIDD CREEK MINES LTD.</b>	
Exploration Division	Timmins, ONTARIO
UNITED KINGDOM OPTION	
MACKLEM 25	
MACKLEM Twp.	
SECTION FOR	
<b>MC25 - 02</b>	
LOOKING 295°	
SCALE: 1 : 2,000	Data: Cecchetto
Drawn: DEL	Project N°: 8104 Date: 03 / 03 / 87

**KIDD CREEK MINES LTD.**  
EXPLORATION DIVISION

**DRILL HOLE RECORD**

HOLE NO. MC-25-2 ..... PROPERTY MacKlem 25 ..... PROJECT NO. 008104 ..... CONTRACTOR Bradley Bros. .... START Oct 23/86 .....  
 COORDINATES Grid Location: Latitude 8+00W ..... UTM: Lat. 508560 ..... Surveyed: Lat. .... FINISH Oct 27/86 .....  
 Departure 4+75S ..... Dep. 536787D. .... Dep. .... Mine Grid: Lat. ....  
 Elevation ..... Elev. ....

COLLAR ATTITUDE Azimuth 205° Dip -50° LENGTH 300m CORE SIZE BQ .....

**INCLINATION TESTS**

Rotodip/Acid Tests

Depth	Dip	Depth	Dip
297m	-40°		

Compass Tests

Depth	Observed Azimuth	True Azimuth	Dip
62m	32°SW	203°	-52°
116m	34°SW	205°	-50°
176m	35°SW	206°	-49°
236m	38°SW	209°	-45°

REMARKS : MC-25-2 was drilled to test extension of gold bearing zone encountered by United Kingdom Energy in hole MAC-85-1, -2.  
 - casing left in hole

*James K. Cecchetto*

Logged by J.K. Cecchetto .....

Date Nov 3/86 .....

Property MacKlem 25 .....

Hole No. MC-25-2 .....



FROM - TO	DESCRIPTION	SAMPLE NO. AD	FROM — TO m	SAMPLE LENGTH	ASSAYS				
					Au ppb				
	<ul style="list-style-type: none"> <li>- moderate pervasive chlorite and strongly chloritic blebs occur throughout, blebs range in size from 0.5mm - 5mm can be subround to highly angular and are commonly elongated in the plane of foliation.</li> <li>- blebs compose up to 15-20% of the rock but average 10%, they are highlighted when the ground-mass is sericite</li> <li>- weak sericite occurs locally throughout reaching levels of moderate to strong alteration insome instances</li> <li>- weak to moderate hematization (?) occurs locally causing a brick-red colour to the rock.</li> </ul>								
	<p>MINERALIZATION:</p> <ul style="list-style-type: none"> <li>- mineralization is very minimal on the whole and generally reaches concentration of 1% or less.</li> <li>- pyrite is by far the most common sulphide, forming in fine disseminations or as cubes from 1mm to 5mm is size. Very minor amounts of chalcopyrite and arsenopyrite exist locally. The disseminated mineralization commonly occurs at or near the interface of quartz and/or carbonate with the host rock as blebs or disseminations along foliation planes. One quartz/carbonate vein contained 5% sulphides composed of pyrite, chalcopyrite, shalerite, and pyrrhotite</li> </ul>								
	<p>VEINING:</p> <ul style="list-style-type: none"> <li>- three types of veining occur; i) carbonate veins, generally &lt;1/2cm wide, range from 1mm - 4cm. Various orientations, but dominantly</li> </ul>								

LOGGED BY: J.K.Cecchetto DATE: Nov 4/86

PROPERTY MacKlem 25

HOLE NO. MC-25-2 PAGE NO. 2

FROM - TO	DESCRIPTION	SAMPLE NO. AD	FROM — TO		SAMPLE LENGTH	ASSAYS			
			m			Au			
	conformable to foliation. ii) quartz/carbonate veins, the percentage of each varies from vein to vein, range in size from 1cm-5cm. Quartz/carbonate occurs also in stockworks and patches with irregular contacts to host rock. iii) quartz veins, range in size from 1 cm to 50 cm, commonly exhibit sharp contacts								
	quartz/carbonate > carbonate veins > quartz veins								
	- veins can exhibit any orientation the most common ones being; i) 30-45° to core axis parallel to foliation. ii) 35-50° perpendicular to foliation								
	- 50.0 - 51.5: <5% carbonate dumping	5162	50.0	51.5	1.5	19			
	- 55.5 - 57.0: 10-15% quartz/carbonate dumping	5163	55.5	57.0	1.5	8			
	- 59.0 - 59.2: quartz with minor carbonate stockwork, chloritic inclusions, no observable sulphides								
	- 61.0 - 61.2: as above								
	- 59.0 - 60.5: 20 cm quartz stockwork, <5% carbonate dumping	5164	59.0	60.5	1.5	6			
	- 60.5 - 62.0: as above	5165	60.5	62.0	1.5	6			
	- 68.5 - 70.0: 40 cm quartz vein, 50cm quartz vein	5166	68.5	70.0	1.5	25			
	- 70.5 - 72.0: 20 cm quartz vein, 5-10% quartz/carbonate dumping	5167	70.5	72.0	1.5	6			
	- 74.0 - 75.5: 6 cm quartz/carbonate vein	5168	74.0	75.5	1.5	24			
	- 79.0 - 80.5: weak to moderate pervasive hematization, 5% quartz/carbonate veining, <1% pyrite throughout	5169	79.0	80.5	1.5	9			
	- 82.5 - 84.0: 10 cm quartz/carbonate stockwork, weak sericite, 1% pyrite locally	5170	82.5	84.0	1.5	6			

LOGGED BY: J.K. Cecchetto DATE: Nov 4/86

PROPERTY MacKlem 25

HOLE NO. MC-25-2 PAGE NO. 3

FROM - TO	DESCRIPTION	SAMPLE NO. AD	FROM — TO		SAMPLE LENGTH	ASSAYS			
			m			Au ppb			
	- 91.0 - 92.5: 10% carbonate dumping	5171	91.0	92.5	1.5	2			
	- 96.0 - 97.5: >5% carbonate dumping	5172	96.0	97.5	1.5	6			
	- 107.5 - 115.0: sericite alteration zone								
	- weak to moderate sericitization, most intense from 109.0 - 110.0								
	yellow-green to light green in colour, in fringes occurs as								
	patchy zones. 1% pyrite locally, fine grained.								
	- 106.5 - 108.0: weak to moderate sericite, 5% quartz/carbonate	5173	106.5	108.0	1.5	6			
	dumping								
	- 108.0 - 109.5: moderate sericite, <1% pyrite	5174	108.0	109.5	1.5	3			
	- 109.5 - 111.0: weak-moderate sericite	5175	109.5	111.0	1.5	11			
	- 111.0 - 112.5: as above	5176	111.0	112.5	1.5	3			
	- 112.5 - 113.5: 15% quartz/carbonate dumping and veining, 1% pyrite,	5177	112.5	113.5	1.5	14			
	moderate sericite								
	- 114.0 - 115.5: moderate sericite	5178	114.0	115.5	1.5	5			
	- 116.5 - 118.0: 5% carbonate dumping	5179	116.5	118.0	1.5	9			
	- 119.9 - 124.5: mafic dike (?)								
	- very fine grained, grey black in colour, not foliated. Very								
	weak pervasive carbonate, minor carbonate veinlets <2%. Rock is hard								
	- 127.3 - 130.3: as above								
	- 129.0 - 130.5: 5% quartz/carbonate dumping, 1% pyrite cubes, <1%	5180	129.0	130.5	1.5	10			
	disseminated arsenopyrite (?), green mica								
	- 130.5 - 132.0: weak-moderate sericite, >1% pyrite crystals and blebs	5181	130.5	132.0	1.5	98			
	- 133.0 - 134.5: 5% quartz/carbonate dumping	5182	133.0	134.5	1.5	3			

LOGGED BY: J.K. Cecchetto DATE: Nov 4/86

PROPERTY MacKlem 25

HOLE NO. Mc-25-2 PAGE NO. 4

FROM - TO	DESCRIPTION	SAMPLE NO. AD	FROM — TO		SAMPLE LENGTH	ASSAYS			
			m			Au ppb			
	- 137.8 - 138.4, 140.0 - 141.3, 141.5 - 142.3: Intervals of bleaching								
	- bleached zones with a granular texture composed of 1-2mm white-								
	ish flecks and dark chloritic flecks. At the contacts with								
	unbleached rock the granular texture is less developed. The								
	common large chloritic blebs and carbonate amygdules are								
	absent in these zones.								
	- The zones may represent alteration or an interfingering intrusive								
	event.								
	- 141.0 - 142.5: bleached zone, <1% pyrite, 2-2cm quartz/carbonate								
	veins	5183	141.0	142.5	1.5	2			
	- 142.5 - 144.0: bleached zone, 10cm quartz/carbonate mass, <1% pyrite								
	yellow-green gauge material	5184	142.5	144.0	1.5	4			
	- 144.0 - 145.5: 1% pyrite								
		5185	144.0	145.5	1.5	2			
	- 150.5 - 152.0: <1% pyrite, 5% quartz/carbonate dumping								
		5186	150.5	152.0	1.5	3			
	- 156.0 - 157.5: 10% quartz/carbonate dumping								
		5187	156.0	157.5	1.5	2			
	- 158.9 - 159.2: stockwork carbonate zone								
	- 189.4 - 195.9: moderate sericite zone, patchy sericite on fringes								
	- 186.5 - 188.0: weak sericite, <1/2% pyrite								
		5188	186.5	188.0	1.5	14			
	- 189.0 - 191.5: moderate sericite, <1% pyrite, 2% quartz/carbonate								
	dumping	5189	189.0	191.5	1.5	14			
	- 191.5 - 192.0: as above								
		5190	191.5	192.0	1.5	10			
	- 192.0 - 193.5: moderate sericite, 1% pyrite, minor quartz/carbonate								
	veins	5191	192.0	193.5	1.5	12			
	- 193.5 - 195.0: moderate sericite, <1% pyrite								
		5192	193.5	195.0	1.5	6			

LOGGED BY: J.K. Cecchetto DATE: Nov 4/86

PROPERTY Macklem 25

HOLE NO. Mc25-2 PAGE NO. 5

FROM - TO	DESCRIPTION	SAMPLE NO. AD	FROM — TO		SAMPLE LENGTH	ASSAYS			
			m			Au ppb			
	- 201.8 - 207.5: sericite alteration zone								
	- moderate to strong sericite zone, 5% quartz/carbonate material.								
	The sericitic patches are separated by fine grained, greenish								
	black rock, specked with very fine yellow carbonate. The								
	sericitic patches commonly exhibit sharp contacts with the								
	other rock.								
	- 201.0 - 202.5: moderate sericite, 8 cm quartz/hematite mass, 1%	5193	201.0	202.5	1.5	3			
	pyrite locally								
	- 202.5 - 204.0: moderate to strong sericite	5194	202.5	204.0	1.5	15			
	- 204.0 - 205.5: moderate to strong sericite, 10% quartz/carbonate	5195	204.0	205.5	1.5	7			
	dumping								
	- 206.5 - 208.0: weak to moderate sericite	5196	206.5	208.0	1.5	3			
	- 214.5 - 216.0: as above	5197	214.5	216.0	1.5	20			
	- 216.0 - 217.5: as above, <1/2% chalcopyrite	5198	216.0	217.5	1.5	3			
	- 217.5 - 219.0: weak to moderate sericite, 1/2% pyrite	5199	217.5	219.0	1.5	19			
	- 213 - 236: sericite alteration zone								
	- weak to moderately sericitic, moderately foliated at 40° to								
	core axis, <5% amygdules, moderate pervasive chlorite,								
	chloritic blebs, generally <5% veining and dumping								
	- 219.0 - 220.5: weak to moderate sericite, <1% pyrite crystals	5200	219.0	220.5	1.5	7			
	- 225.0 - 226.5: weak to moderate sericite	5201	225.0	226.5	1.5	5			
	- 231.0 - 232.0: as above, 15 cm quartz/carbonate vein with 5%	5202	231.0	232.0	1.0	7			
	sulphides (chalcopyrite, pyrite, pyrrhotite, sphalerite).								
	- 232.0 - 233.5: weak-moderate sericite, 5% quartz/carbonate stock	5203	232.0	233.5	1.5	7			
	work and dumping								

LOGGED BY: J.K. Cecchetto DATE: Nov 4/86

PROPERTY MacKlem 25

HOLE NO. Mc-25-2 PAGE NO. 6

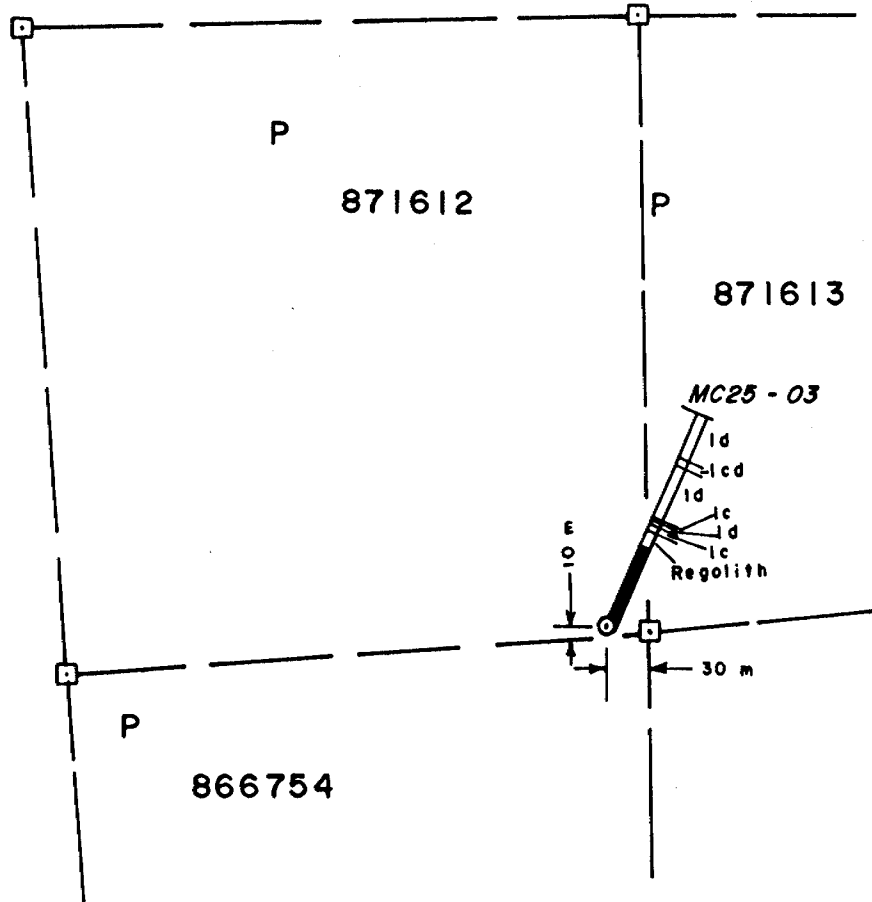


FROM - TO		DESCRIPTION	SAMPLE NO. AD	FROM — TO		SAMPLE LENGTH	ASSAYS							
				m				Au						
								ppb						
246.0	266.0	MAFIC FRAGMENTAL												
		- black chloritic bands mixed with light green patches												
		- moderate to strong pervasive carbonate, weak sericite.												
		- common fragment types are ; i) yellow-green amygdaloidal with chloritic blebs ii) amygdaloidal fragments with varying amounts and sizes of amygdules												
		- other fragment looking shadows occur but are obscured by alteration. Fragments range in size from 1 to 10cm.												
		- <1% pyrite crystal occur locally												
		- moderate foliation ranging from 35-50° to core axis.												
		- 5% quartz/carbonate veining and dumping. Veins are commonly 0.5cm wide ranging from 20-50° to core axis perpendicular to foliation												
		- 240.5 - 242.0: weak sericite, 10% quartz/carbonate veining and dumping <1% pyrite	5204	240.5	242.0	1.5	40							
		- 249.0 - 250.0: <2% quartz/carbonate veining and dumping	5205	249.0	250.5	1.5	8							
		- 250.5 - 252.0: as above, <1% pyrite crystals	5206	250.5	252.0	1.5	5							
266	300	MAFIC VOLCANIC												
		- fine grained, light greenish-yellow to green-black												
		- pervasive carbonate ranges from weak to moderate												
		- pervasive chlorite from weak to moderate												
		- quartz/carbonate dumping from 5-10%												
		- generally weakly sericitic and <1% finely disseminated pyrite though												
		- 270.0 - 273.0, 282.0 - 287.0: unit is moderately sericitic												
LOGGED BY: J.K. Cecchetto			DATE: Nov 4/86	PROPERTY MacKlem 25			HOLE NO. Mc-25-2 PAGE NO. 7							





1	CALC-ALKALIC MAFIC VOLCANIC
a	massive
b	pillowed
c	fragmental
d	amygdaloidal
e	sericitic altered
f	intensely carbonated



<b>KIDD CREEK MINES LTD.</b>	
Exploration Division	Timmins, ONTARIO
UNITED KINGDOM OPTION	
MACKLEM 25	
MACKLEM Twp.	
DRILL PLAN FOR	
<b>MC25 - 03</b>	
SCALE: 1 : 5,000	Data: Cecchetto
Drawn: DEL	Project N°: 8104 Date: 29/04/87

*James L. Cecchetto*

TL 800 S

025° →

MC25 - 03

Highly weathered  
114.0 m

AD05251

Mafic volcanic

AD05252

Amygdaloidal mafic volcanic

281.0 m

P 871612

P 871613

✓ FOLIATION

AD05252 W. R. A. and MEEP SAMPLE

<b>FALCONBRIDGE LTD.</b>	
Exploration Division	Timmins, ONTARIO
UNITED KINGDOM OPTION	
MACKLEM 25	
MACKLEM Twp.	
SECTION FOR	
<b>MC25 - 03</b>	
LOOKING NW <i>James L. Cecchetto</i>	
SCALE: 1 : 2,000	Date: Cecchetto
Drawn: DEL	Project N°: 8104 Date: 02 / 10 / 87



FROM - TO		DESCRIPTION	SAMPLE NO.	FROM — TO	SAMPLE LENGTH	ASSAYS			
0	85.0	OVERBURDEN							
85.0	125.0	REGOLITH (?) Extremely weathered rock, may be composed of boulders and/or overburden but hard to determine due to extreme weathering. Becomes increasingly consolidate and rock-like downhole. - 20-30% lost core.							
125.0	131.0	MAFIC VOLCANIC - fine grained, light green to dark green - unit is usually amygdaloidal, generally ranges from 2-10% amygdules with an average of 5%. Amygdules range in sizes from 2-5mm and are subround to elongate. 125.0 - 131.0: amygdules are larger than average (1.5cm) are subround carbonate filled and rimmed by hematite (?). - pillow selvages are not evident, however some questionable features occur locally and in places the unit may be pillowed - foliation ranges from weak to moderate, dominantly moderate, at 30-40° to core axis  Alteration: - weak to moderate pervasive carbonate alteration, moderate fracture controlled carbonate and 5-10% carbonate dumping - moderate pervasive chlorite alteration, strongly chloritic blebs 1-4mm in size, round to angular occur from 5-10% generally throughout - patchy weak to moderate sericite occurs locally,							

LOGGED BY: J.K. Cecchetto DATE: November, 1986

PROPERTY MacKlem 25

HOLE NO. MC-25-03 PAGE NO. 1

FROM - TO	DESCRIPTION	SAMPLE NO. AD	FROM — TO m	SAMPLE LENGTH	ASSAYS			
					Au ppb			
	- 125.0 127.4: moderate hematization occurs in patches giving the rock a brick-red colour. Hematite (?) also is found colouring carbonate throughout the hole. Veining: - minor veining occurs throughout from 2-5%, three types occur; i) carbonate veins - most irregular of the veins types in nature, from 1mm to 10mm. Multiple orientations with no distinct patterns. Also occur as 1mm wide crenulated veinlets spaced 0.5 - 1cm apart ii) quartz/carbonate veins - various orientations. Commonly 0.5 - 1cm wide iii) quartz veins - generally largest in size (2-5cm) although they are the least common Mineralization: - pyrite and minor amounts of chalcopyrite occur locally from 1/2% to 1% maximum. Pyrite occurs as blebs and disseminations generally found associated with quartz and/or carbonate and along foliation plane but can also be found in groundmass with no obvious structural control.							
	- 125.0 - 126.5: moderate hematization	5221	125.0	126.5	1.5	25		
	- 126.5 - 128.0: as above	5222	126.5	128.0	1.5	6		
	- 128.0 - 129.0: <1/2% chalcopyrite	5223	128.0	129.0	1.0	13		
131.0	138.0							
	MAFIC FRAGMENTAL (?) - unit appears compositionally the same as unit from 125.0 to 131.0, but appears fragmental. Fragments are not highly distinctive and the appearance may be due to alteration. Fragments are the same composition and the unit may represent a flow top or flow bottom breccia. - moderate to strongly foliated at 30° to core axis - alteration and veining are the same as 125.0 to 131.0, however some							

LOGGED BY: J.K. Cecchetto DATE: November 10, 1986

PROPERTY MacKlem 25

HOLE NO. MC-25-03 PAGE NO. 2

FROM - TO		DESCRIPTION	SAMPLE NO. AD	FROM — TO		SAMPLE LENGTH	ASSAYS												
				m			Au	ppb											
		fragments are weak to moderately sericitic																	
		- 134.0 - 135.5: moderate sericite, 10cm quartz vein at 45° to core axis perpendicular to foliation. No observed sulphides.	5224	134.0	135.5	1.5	22												
138.0	195.0	MAFIC VOLCANIC																	
		- same as unit from 125.0 to 131.0																	
		- 141.5 - 143.0: 5% quartz/carbonate dumping, <1% pyrite	5225	141.5	143.0	1.5	20												
		- 143.0 - 144.5: as above, 15 cm quartz/carbonate stockwork with 1% pyrite	5226	143.0	144.5	1.5	3												
		- 149.0 - 150.5: 1% pyrite and chalcopyrite	5227	149.0	150.5	1.5	8												
		- 150.5 - 152.0: 5% quartz/carbonate, <1% pyrite	5228	150.5	152.0	1.5	5												
		- 153.5 - 155.0: 10% quartz/carbonate dumping	5229	153.5	155.0	1.5	35												
		- 156.5 - 158.0: 2-5cm quartz/carbonate veins	5230	156.5	158.0	1.5	8												
		- 170.0 - 171.5: 10-15% carbonate dumping, <1% pyrite	5231	170.0	171.5	1.5	12												
		- 173.0 - 174.5: <1% pyrite	5232	173.0	174.5	1.5	5												
		- 186.5 - 188.0: 5% carbonate dumping, <1/2% pyrite	5233	186.5	188.0	1.5	3												
		- 193.5 - 193.6: carbonate dumping and epidote (?)																	
		- 194.0 - 195.0: strong foliation, 15cm quartz/carbonate vein	5234	194.0	195.0	1.0	3												
		1% pyrite 80-90° to core axis																	
195.0	215.0	MAFIC FRAGMENTAL (?)																	
		- highly amygdaloidal																	
		- very strongly foliated at 35° to core axis																	
		- up to 20% amygdules, irregular shaped and elongated strongly in the plane of foliation. Amygdule size and density varies greatly which may																	

LOGGED BY: J.K. Cecchetto DATE: Nov. 10/86

PROPERTY Mac1em 25

HOLE NO. MC-25-03 PAGE NO. 3



FROM - TO	DESCRIPTION	SAMPLE NO.	FROM	TO	SAMPLE LENGTH	ASSAYS			
						AD	m	Au	ppb
	represent various fragments.								
	- two fragments exhibit very sharp contacts at 205.0, the fragments are 5cm and 8cm in size.								
	- alteration is generally the same as unit from 125.0 - 131.0, although carbonate dumping is more intense at 15-20%								
	- this unit is only distinctly (?) fragmental at 205.0m. The high percentage of amygdules and carbonate dumping and the intensity of foliation decreases towards 195.0 and 215.0. Some of the interpreted amygdules may actually be secondary carbonate masses.								
	- 1% pyrite locally								
	203.0 - 204.5: strong foliation, 10% carbonate dumping	5235	203.0	204.5	1.5	20			
	204.5 - 206.0: as above	5236	204.5	206.0	1.5	2			
	206.0 - 207.5: as above, 2-5cm quartz/carbonate veins	5237	206.0	207.5	1.5	6			
215.0	251.0								
	MAFIC VOLCANIC								
	- same as unit described from 125.0 to 131.0								
	- unit may be pillowed locally, faint selvage - like features appear throughout although they may be the results of alteration								
	- a yellow-green mineral occurs at 241.1 - 241.2, 242.8 - 242.9 and 246.2 - 246.3 which does not appear to be epidote or sericite								
	215.0 - 216.5: 10cm quartz/carbonate stockwork, 1% pyrite	5238	215.0	216.5	1.5	14			
	216.5 - 218.0: 5% carbonate dumping, 5cm quartz/carbonate vein	5239	216.5	218.0	1.5	17			
	220.0 - 221.0: 5% carbonate dumping, 1% disseminated and crystal pyrite	5240	220.0	221.0	1.0	80			
	224.0 - 225.5: weak sericite, 5cm quartz/carbonate vein	5241	224.0	225.5	1.5	5			

LOGGED BY: J.K. Cecchetto DATE: Nov 10/86

PROPERTY MacKlem 25

HOLE NO. MC-25-03 PAGE NO. 4







Name and Postal Address of Recorded Holder  
**Kidd Creek Mines Ltd.**  
 571 Moneta, P.O. Box 1140, Timmins, Ontario

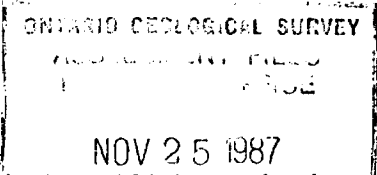
Summary of Work Performance and Distribution of Credits	Mining Claim			Work Days Cr.	Mining Claim			Work Days Cr.	Mining Claim			Work Days Cr.
	Prefix	Number			Prefix	Number			Prefix	Number		
3067.4	Schedule A attached											
for Performance of the following work. (Check one only) <input type="checkbox"/> Manual Work <input type="checkbox"/> Shaft Sinking Drifting or other Lateral Work. <input type="checkbox"/> Compressed Air, other Power driven or mechanical equip. <input type="checkbox"/> Power Stripping <input checked="" type="checkbox"/> Diamond or other Core drilling <input type="checkbox"/> Land Survey												

All the work was performed on Mining Claim(s): **866754, 871612, 87613**

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

All work was performed on claims 866754, 871612 and 871613 in MacKlem Township as outlined below:

P866754 = 114.8 days  
 P871612 = 2503.2 days  
 P871613 = 449.4 days  
 Total 3067.4 days



Drilling was performed by Bradley Brothers Ltd. Hwy 101 W., Timmins, Ontario, with a Boyles 35A diamond drill. All core is 1 7/16 inches in diameter, known as BQ. Drilling was done between October 9, 1986 and November 2, 1986. The total number of assessment credits is 3067.4 days to be allotted as specified in schedule A. The credits were achieved by 3 diamond drill holes totalling 3067.4 feet. Please retain 332.3 days for future use.

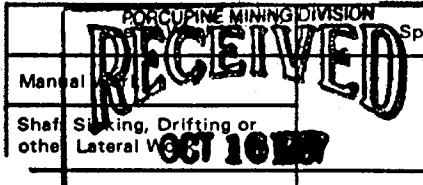
**RECORDED**  
**OCT 16 1987**

Date of Report: **October 15, 1987**  
 Recorded Holder or Agent (Signature): *J. Cecchetto*

Certification Verifying Report of Work  
 I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying  
**J.K. Cecchetto c/o Falconbridge Limited, P.O. Box 1140, Timmins, Ontario**  
 Date Certified: **October 15, 1987**  
 Certified by (Signature): *J. Cecchetto*

Table of Information/Attachments Required by the Mining Recorder		Other information (Common to 2 or more types)	Attachments
Manual Work	Specific information per type: N/A	Names and addresses of men who performed manual work/operated equipment, together with dates and hours of employment.	Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post.
Shaft Sinking, Drifting or other Lateral Work	Type of equipment		
Compressed air, other power driven or mechanical equip.	Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording.	Names and addresses of owner or operator together with dates when drilling/stripping done.	Work Sketch (as above) in duplicate
Power Stripping	Signed core log showing; footage, diameter of core, number and angles of holes.		
Diamond or other core drilling	Name and address of Ontario land surveyor.	N/A	N/A
Land Survey			



SCHEDULE A  
 DISTRIBUTION OF CREDITS ON CONTIGUOUS CLAIMS  
 IN MacKLEM TOWNSHIP FROM DIAMOND DRILLING

CLAIM NO.	WORK DAYS CREDIT	CLAIM NO.	WORK DAYS CREDIT
871606	145.9	852390	30.9
871607	145.9	852391	10.9
871608	145.9	852392	29.6
867792	130.9	852393	55.9
867796	130.9	852394	10.9
866751	130.9	852395	10.9
866752	115.9	852396	10.9
866753	115.9	852397	10.9
866754	115.9	852398	10.9
866755	115.9	852399	10.9
866756	115.9	852400	10.9
866757	115.9	852401	10.9
866758	115.9	852402	10.9
871609	115.9	852403	10.9
871610	115.9	852404	10.9
871611	115.9	852405	30.9
871612	130.9	852406	10.9
871613	130.9	852407	30.9
805786	20.0	852408	10.9
805787	35.0	852409	10.9
849499	10.9	852410	10.9
849500	10.9	852411	10.9
849501	10.9	852412	10.9
849502	10.9	852413	10.9

TOTAL DAYS = 2735.1

Please retain 332.3 days for future use

*Joseph H. Cecchetti*