



# DETAILED DIAMOND DRILL REPORT

## KUKALAK PROJECT

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Hole Number: **KLD0109**

Units: METRIC

Project Name:	Kukalak	UTM Coordinates	Grid Coordinates	Hole Type:	DDH
Project Number:	KL	Datum:	AMG66-53	Hole Size:	HQ/NQ
Location:	Quarry Hill North	North:	8624426.00	Collar Dip:	-80.00
Date Started:	Sep 17, 2007	East:	328316.00	Collar Az:	280.00
Date Completed:	Sep 24, 2007	Collar Elev:	188.00	Final Depth:	357.40
Total Days:	8	Collar Survey:	N	Pulse EM Survey:	N
		Multishot Survey:	N		
Core Storage:	Exploration Camp	Making Water:	N	Is Hole Plugged:	N
Is Cemented:		Gas Intersected:	N	Object In Hole:	N
Verified:		Contractor:	Titeline Drilling	Casing:	Pulled

Comments: KLD0109 was drilled to identify the conductive feature below the Mamadawerre Sandstone as highlighted by TEMPEST - the location of the anomaly indicates that the conductor is likely to be either Tin Camp Creek Granite or graphitic semi-pelites of the Nungbulgarri Volcanics. Drilling confirms that the conductive feature is Tin Camp Creek Granite.

The drill hole collared in variably haematized, silicified Mamadawerre Sandstone. Occasional zones of clay alteration/bleaching throughout. Weakly fractured, occasional drusy quartz veins, very sparse magnetite present in more strongly haematized sections of sandstone. Drill core has 'speckled' appearance in places because of bleached spots.

An alteration transition zone is recorded at approximately 180m, in which the sandstone alternates between haematitic and chloritic alteration. Abundant bleaching from both chloritic and haematitic clay. Occasional limonitic fractures. Some original bedding appears to be preserved; some coarse sand grains can still be observed within bands.

Near the base of the sandstone is a pebbly sandstone unit, containing minor breccia and clay-altered zones. Predominantly chloritic but also abundant haematite and limonite alteration throughout.

Below the unconformity lies the now-completely altered Tin Camp Creek Granite - predominantly haematized, in which all feldspars have been completely replaced by sericite. Occasional pegmatitic quartzofeldspathic veins are also recorded.

### Survey Data

Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments	Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
<b>50.00</b>	280.30	-81.20	Reflex	OK		<b>100.00</b>	281.50	-81.30	Reflex	OK	
<b>150.00</b>	282.00	-81.30	Reflex	OK		<b>250.00</b>	283.30	-81.20	Reflex	OK	
<b>300.00</b>	283.90	-81.60	Reflex	OK		<b>350.00</b>	284.00	-81.90	Reflex	OK	

Detailed Lithology		
From	To	Lithology
0	319.38	<p><b>SDST, sandstone</b></p> <p>Variably haematized, silicified sandstone. Occasional zones of clay alteration/bleaching throughout. Weakly fractured, occasional drusy quartz veins, very sparse magnetite present in more strongly haematized sections of sandstone. Drill core has 'speckled' appearance in places because of bleached spots.</p> <p>An alteration transition zone is recorded at approximately 180m, in which the sandstone alternates between haematitic and chloritic alteration. Abundant bleaching from both chloritic and haematitic clay. Occasional limonitic fractures. Some original bedding appears to be preserved; some coarse sand grains can still be observed within bands.</p> <p>Near the base of the sandstone is a pebbly sandstone unit, containing minor breccia and clay-altered zones. Predominantly chloritic but also abundant haematite and limonite alteration throughout.</p> <p><b>Colour</b></p> <p>0 - 111.200 Primary Colour: 3 RM RO Secondary Colour: 2 OB K Munsell:</p> <p>111.200 - 126.120 Primary Colour: 3 K Secondary Colour: 1 RM OB Munsell:</p> <p>126.120 - 127.900 Primary Colour: 3 OB K Secondary Colour: 1 RM Munsell:</p> <p>127.900 - 137.450 Primary Colour: 3 R K Secondary Colour: 1 RM Munsell:</p> <p>137.450 - 151.600 Primary Colour: 3 RM RO Secondary Colour: 2 OB K Munsell:</p> <p>151.600 - 156.580 Primary Colour: 3 R K Secondary Colour: 1 RM Munsell:</p> <p>180.650 - 186.430 Primary Colour: 3 G Secondary Colour: 3 RM Munsell:</p> <p><b>MINOR INTERVALS:</b></p> <p><b>Minor Interval:</b></p> <p>236.8 - 294.57 PEST, pebbly sandstone</p> <p>Variably chloritized, haematized and bleached, silicified pebbly sandstone. minor breccias close to fractures, often with chloritic, haematitic or limonitic clay forming the matrix.</p> <p><b>Colour</b></p> <p>236.800 - 271.120 Primary Colour: 3 G RO Secondary Colour: 1 RM Munsell:</p> <p>271.120 - 279.180 Primary Colour: 3 K Y Secondary Colour: 1 A Munsell:</p> <p>279.180 - 282.860 Primary Colour: 3 RO O Secondary Colour: 2 Y RM Munsell:</p> <p>282.860 - 285.000 Primary Colour: 3 G Secondary Colour: 2 RO Munsell:</p> <p>285.000 - 287.750 Primary Colour: 3 RO O Secondary Colour: 1 G Munsell:</p> <p>287.750 - 294.570 Primary Colour: 3 G GA Secondary Colour: 1 RM OB Munsell:</p> <p><b>Minor Interval:</b></p> <p>300.8 - 304.62 BX, breccia</p> <p>Brecciated chloritic silicified sandstone with abundant chloritic clay within matrix.</p> <p><b>Colour</b></p> <p>300.800 - 304.620 Primary Colour: 3 G GA Secondary Colour: 1 OB Munsell:</p> <p><b>Minor Interval:</b></p> <p>304.62 - 319.38 PEST, pebbly sandstone</p> <p>Predominantly haematitic and limonitic pebbly sandstone with chlorite alteration at base of interval, just above contact with granite. limonitic alteration on fractures. bleached intervals also observed, especially just above sandstone-granite contact.</p> <p><b>Colour</b></p> <p>304.620 - 307.350 Primary Colour: 3 RO Secondary Colour: 3 OB Munsell:</p> <p>307.350 - 317.000 Primary Colour: 3 G OB Secondary Colour: 1 RM Munsell:</p> <p>317.000 - 319.380 Primary Colour: 3 K OB Secondary Colour: 1 RM Munsell:</p>
319.38	357.40	<p><b>GRAN, granite</b></p> <p>Completely altered Tin Camp Creek Granite - predominantly haematized, all feldspars have been completely replaced by sericite. occasional pegmatitic quartzofeldspathic veins.</p> <p><b>Colour</b></p> <p>319.380 - 331.750 Primary Colour: 3 A RM Secondary Colour: 3 YG I Munsell:</p> <p>331.750 - 332.630 Primary Colour: 3 G GA Secondary Colour: 2 YG Munsell:</p> <p>332.630 - 357.400 Primary Colour: 3 A RM Secondary Colour: 3 YG I Munsell:</p>

### Alteration

Depth From	Depth To	Strat	Intense	Colour	Type	Distrib	Pct	Comments
0	111.200	H	3	RM	HE	PERV	60.0	haematized and silicified sandstone
0	111.200	H	3	K	CY	PAT	30.0	abundant zones of pervasive clay-alteration/bleaching in sandstone
0	111.200	H	1	N	MT	SPEC	1.0	very sparse magnetite in strongly haematitic sections
0	111.200	H	1	OB	LI	FRAC	3.0	minor limonite on occasional fracture surfaces
0	111.200	H	2	A	DQZ	VN	5.0	occasional drusy quartz veins, often infilling fractures
0	111.200	H	1	N	OX	FRAC	1.0	occasional fracture near top of hole with goethite and limonite coatings on surface
111.200	126.120	B	3	K	CY	PERV	70.0	pervasive clay alteration/bleaching of sandstone
111.200	126.120	B	2	RM	HE	PAT	20.0	patchy haematization
111.200	126.120	B	1	G	CL	MATR	10.0	chloritic alteration in matrix observed in places
126.120	127.970	B	3	OB	LI	PERV	90.0	limonitic bleaching throughout
126.120	127.970	B	1	RM	HE	BN	10.0	occasional bands of haematization
127.970	137.450	B	3	R	HE	PERV	90.0	light red-pink haematitic clay (?) bleaching most of interval
127.970	137.450	B	1	RM	HE	PAT	6.0	patchy dark red haematization
127.970	137.450	B	1	N	OX	FRAC	1.0	occasional goethite and limonite on exposed fracture surfaces
127.970	137.450	B	1	A	DQZ	VN	3.0	drusy quartz veins, some infilling fractures
137.450	151.600	H	3	RM	HE	PERV	90.0	haematitic sandstone
137.450	151.600	H	1	I	HE	PAT	10.0	light red-pink haematitic clay (?) bleached patches
151.600	156.580	B	3	R	HE	PERV	90.0	light red-pink haematitic clay (?) bleaching most of interval
151.600	156.580	B	1	RM	HE	PAT	6.0	patchy dark red haematization
151.600	156.580	B	1	A	DQZ	VN	3.0	drusy quartz veins, some infilling fractures
151.600	156.580	B	1	N	OX	FRAC	1.0	occasional goethite and limonite on exposed fracture surfaces
156.580	160.480	B	3	K	CY	PERV	90.0	clay bleaching/alteration of sandstone; often with slight orange tint to the colouration
156.580	160.480	B	3	OB	LI	FRAC	7.0	limonitic fracture surfaces
156.580	160.480	B	1	RM	HE	BN	3.0	minor haematitic alteration
160.480	162.980	H	3	RM	HE	PERV	90.0	haematitic sandstone
160.480	162.980	H	2	A	DQZ	VN	7.0	drusy quartz veins infilling fractures
160.480	162.980	H	1	OB	LI	VN	3.0	minor limonite coatings on drusy quartz
162.980	180.650	B	3	R	HE	PERV	85.0	light red-pink haematitic clay (?) bleaching most of interval
162.980	180.650	B	1	RM	HE	BN	10.0	patchy dark red haematization
162.980	180.650	B	1	OB	LI	FRAC	4.0	limonitic fractures
162.980	180.650	B	1	G	CL	MATR	1.0	minor chlorite within matrix
180.650	186.430	T	3	RM	HE	PERV	80.0	haematitic sandstone
180.650	186.430	T	2	G	CL	MATR	10.0	stronger chlorite alteration in places
180.650	186.430	T	2	I	CY	PAT	10.0	numerous pink haematitic clay (?) bleached spots and patches
186.430	188.460	T	3	G	CL	PERV	80.0	chloritic sandstone
186.430	188.460	T	2	I	HE	PAT	10.0	bleached, pink, haematitic clay patches throughout
186.430	188.460	T	1	RM	HE	PAT	10.0	occasional patches of haematitic alteration
188.460	214.360	T	3	G	CL	PERV	75.0	predominantly chloritic sandstone
188.460	214.360	T	1	RM	HE	PAT	10.0	patches of pervasive haematitic alteration
188.460	214.360	T	2	I	CY	PAT	10.0	patches of haematitic-clay bleached sandstone
188.460	214.360	T	1	OB	LI	FRAC	2.0	limonitic fractures
188.460	214.360	T	1	G	CL	REPL	1.0	chlorite replacement along foliation/bedding (?) planes
188.460	214.360	T	1	RM	HE	REPL	2.0	haematite replacement along foliation/bedding (?) planes
214.360	225.560	B	3	R	HE	PERV	85.0	light red-pink haematitic clay (?) bleaching most of interval
214.360	225.560	B	1	G	CL	PAT	10.0	occasional bleaching by chloritic clay
214.360	225.560	B	1	OB	LI	FRAC	2.0	occasional limonitic fracture
214.360	225.560	B	1	N	MT	SPEC	1.0	sparse, specular magnetite in places
225.560	261.330	T	3	G	CL	PERV	80.0	predominantly chloritic silicified sandstone and pebbly sandstone
225.560	261.330	T	2	RO	LI	FRAC	10.0	limonitic zones of alteration within and approx. 50cm to either side of fractures
225.560	261.330	T	3	RM	HE	FRAC	5.0	some haematitic alteration alongside the limonite in and around fractures
225.560	261.330	T	3	RM	HE	COAT	2.0	haematitic coatings on some quartz pebbles
225.560	261.330	T	3	G	CL	COAT	3.0	chloritic coatings on most quartz pebbles
261.330	271.120	L	3	RO	LI	PERV	85.0	strong limonitic alteration throughout
261.330	271.120	L	1	RM	HE	PERV	10.0	some haematitic alteration
261.330	271.120	L	2	K	CY	MATR	5.0	clay alteration observed within broken core
271.120	279.180	B	3	K	CY	PERV	90.0	almost completely clay-altered pebbly sandstone
271.120	279.180	B	1	OB	LI	MATR	5.0	occasional limonite within matrix

### Alteration

Depth From	Depth To	Strat	Intense	Colour	Type	Distrib	Pct	Comments
271.120	279.180	B	1	N	OX	MATR	3.0	some goethite within matrix
271.120	279.180	B	1	B	OX	COAT	2.0	some goethite coatings on some pebbles
279.180	282.860	L	3	RO	LI	PERV	85.0	strongly limonitic zone, as above
279.180	282.860	L	2	RM	HE	PERV	15.0	stronger haematitic alteration
282.860	285.000	T	3	G	CL	PERV	90.0	predominantly chloritic in chlorite-limonite-haematite transition zone
282.860	285.000	T	2	RM	HE	PERV	7.0	also strongly haematitic
282.860	285.000	T	1	RO	LI	MATR	3.0	minor limonite within matrix
285.000	287.750	H	3	RO	HE	PERV	85.0	haematite-limonite zone
285.000	287.750	H	3	RO	LI	PERV	10.0	haematite-limonite zone
285.000	287.750	H	2	O	CY	MATR	5.0	limonitic clay within matrix
287.750	294.570	G	3	G	CL	PERV	90.0	chloritic pebbly sandstone
287.750	294.570	G	1	OB	LI	FRAC	5.0	stronger limonite in and around fractures
287.750	294.570	G	2	RM	HE	PERV	5.0	some pervasive haematite
294.570	300.800	G	3	G	CL	PERV	90.0	chloritic silicified sandstone
294.570	300.800	G	3	G	CL	FRAC	5.0	strongly chloritic clay within fractures
294.570	300.800	G	1	RM	HE	PERV	3.0	minor pervasive haematite alteration
294.570	300.800	G	1	OB	LI	MATR	2.0	minor limonitic clay within matrix of fractures/breccia in silicified sandstone
300.800	304.620	G	3	G	CL	PERV	85.0	strongly chloritised sandstone breccia
300.800	304.620	G	3	G	CY	MATR	13.0	breccia matrix comprises strongly chloritic clay
300.800	304.620	G	1	OB	LI	MATR	2.0	occasional limonite alteration within matrix
304.620	307.350	H	3	RO	HE	PERV	85.0	predominantly haematized
304.620	307.350	H	3	RO	LI	PERV	10.0	strongly limonitic and haematitic
304.620	307.350	H	3	RO	CY	MATR	5.0	strongly limonitic and haematitic clay forming matrix within pebbly sandstone
307.350	317.000	T	3	G	CL	PERV	80.0	predominantly chloritic pebbly sandstone
307.350	317.000	T	2	OB	LI	PERV	5.0	some limonite alteration throughout
307.350	317.000	T	3	RM	HE	PERV	15.0	abundant haematite alteration
317.000	319.380	B	3	K	CY	PERV	85.0	mostly clay-altered pebbly sandstone
317.000	319.380	B	3	OB	LI	PERV	10.0	clay limonitic in places
317.000	319.380	B	1	RM	HE	BN	5.0	occasional band of haematized pebbly sandstone
319.380	331.750	H	3	RM	HE	PERV	75.0	haematized granite
319.380	331.750	H	3	YG	SE	REPL	20.0	all feldspars now replaced by sericite
319.380	331.750	H	2	RM	HE	REPL	5.0	some haematitic alteration also on feldspars and occasional quartz phenocrysts
331.750	332.630	G	3	G	CL	PERV	90.0	chloritised granite
331.750	332.630	G	2	YG	SE	REPL	10.0	sericitised feldspars
332.630	357.400	H	3	RM	HE	PERV	70.0	haematized granite
332.630	357.400	H	3	YG	SE	REPL	20.0	sericitised feldspars
332.630	357.400	H	1	I	QFX	VN	5.0	occasional pegmatitic veins
332.630	357.400	H	1	G	CL	REPL	2.0	minor chlorite replacement of some feldspars
332.630	357.400	H	1	RM	HE	REPL	3.0	minor haematite replacement of some feldspars

### Interval Structure

Depth From	Depth To	Structure	Frac Int	Friab	Recov	Peaks	Comments
0	140.230	WFR	20	1	100	10	weakly fractured sandstone
140.230	145.900	VN	8	1	100	10	abundant drusy quartz veins along numerous fractures
145.900	222.000	WFR	19	1	100	15	weakly fractured sandstone
229.600	271.480	FR	20	1	100	10	fractured
271.480	272.000	BC		4	100	10	broken core
272.000	281.220	FR	8	1	100	10	fractured and broken in places
281.220	283.720	BX	5	1	100	10	minor breccia
285.630	289.000	BX	3	1	100	10	minor chloritic, pebbly sandstone breccia
289.000	300.800	FR	6	1	100	10	fractured
300.800	304.620	BX	2	1	100	15	minor chloritic, sandstone breccia
304.720	308.420	BC	2	1	100	10	broken core
308.420	319.380	FR	4	1	100	10	fractured
322.070	322.740	BC		1	100	30	broken core
322.740	357.400	WFR	3	1	100	40	weakly fractured

### Rock Quality

### Point Structure

Depth	Orient	Ref Elem	Lin / Plan	Element	Dip Dir / Trend	Dip / Plunge	Rake	Alpha	Ang TCA	Intensity	Colour	Code	Confidence	Comments
3.480	N		Planar	Fracture					15	1	OB	LI		limonitic fracture
15.900	N		Planar	Fracture					15	1	RO	HE		haematitic/limonitic fracture
37.380	Y		Planar	Vein	274	85			5	1	A	QZD		drusy quartz vein (infilling fracture?)
55.080	Y		Planar	Fracture	59	69			20	2	RB	HE		haematitic fracture
67.870	Y		Planar	Fracture	75	84			18	1	RO	HE		haematitic fracture
77.630	Y		Planar	Fracture	47	70			30	UK	OB	LI		parallel limonitic fractures over 60m of haematitic sandstone
139.780	Y		Planar	Fracture	255	81			10	1	R	HE		haematitic fracture
142.900	Y		Planar	Vein	271	72			35	UK	W	QZD		drusy quartz veins infilling numerous fractures of different orientations
143.600	Y		Planar	Vein	290	68			50	UK	W	QZD		drusy quartz veins infilling numerous fractures of different orientations
144.270	Y		Planar	Vein	286	55			30	UK	W	QZD		drusy quartz veins infilling numerous fractures of different orientations
155.720	Y		Planar	Fracture	205	83			5	1	OB	LI		limonitic fracture
159.950	N		Planar	Fracture					45	3	K	CY		parallel fractures in clay-bleached sandstone
162.160	Y		Planar	Vein	277	41			40	UK	W	QZD		drusy quartz veins infilling numerous fractures of different orientations
169.560	Y		Planar	Fracture	351	88			10	2	R	HE		parallel haematitic fractures over 3m of core
186.120	Y		Planar	Fracture	310	60			20	1	G	CL		fracture in chloritic sandstone
202.470	Y		Planar	Fracture	216	81			15	1	G	CL		fracture in haematite-chlorite alteration transition zone
222.000	Y		Planar	Fracture	58	61			40	1	R	HE		fracture in haematitic clay-bleached sandstone
229.620	Y		Planar	Fracture	346	86			10	1	G	CL		fracture in chloritic sandstone
234.250	Y		Planar	Fracture	180	74			25	5	RO	LI		parallel limonitic fractures over ~10m of core
251.380	N		Planar	Contact					29	1	RO	LI		contact of minor breccia
254.330	Y		Planar	Fracture	45	87			15	1	RO	LI		limonitic fracture
272.190	N		Planar	Fracture					30	2	K	CY		fractures in clay-altered pebbly sandstone
282.110	N		Planar	Fracture					30	2	RO	LI		fractures in limonitic-haematitic brecciated pebbly sandstone
286.300	Y		Planar	Contact	205	45			50	1	RO	LI		contact of minor limonitic-haematitic breccia
292.280	N		Planar	Fracture					5	1	G	CL		fracture infilled with chloritic clay
300.800	Y		Planar	Contact	59	87			15	1	G	CL		contact of 4m chloritic breccia
303.200	N		Planar	Fracture					40	1	G	CL		fracture in chloritic breccia
309.430	N		Planar	Fracture					20	1	OB	LI		limonitic fracture in pebbly sandstone
314.000	Y		Planar	Fracture	168	84			40	1	OB	LI		limonitic fracture in chlorite-haematite transition zone
317.110	N		Planar	Fracture					15	1	K	CY		fracture in clay-altered pebbly sandstone
319.380	N		Planar	Contact					70	1	F	CY		light orange/buff coloured limonitic clay-altered, pebbly sandstone-granite contact
326.960	Y		Planar	Fracture	286	49			35	1	RM	HE		fracture in haematite/sericitic/chlorite-altered granite
341.670	Y		Planar	Fracture	66	68			20	1	AG	AT		fracture in haematite/sericitic/chlorite-altered granite

### Lithology Details



Hole Number: **KLD0109**

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Units: METRIC

### Mineralization

### Mineralogy



# DETAILED DIAMOND DRILL REPORT

## KUKALAK PROJECT

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Hole Number: KLD0109

Units: METRIC

### Magnetic Susceptibility

Depth From	Depth To	Mag Susceptibility	Comments
150.70	151.60	0.10	
152.50	153.40	0.03	
154.28	155.15	0.03	
156.03	156.90	0.03	
157.78	158.65	0.04	
159.50	160.35	0.03	
161.21	162.06	0.02	
162.91	163.76	0.04	
164.63	165.49	0.03	
166.36	167.23	0.04	
168.09	168.96	0.04	
169.85	170.73	0.04	
171.62	172.50	0.03	
173.39	174.27	0.03	
175.19	176.11	0.05	
177.04	177.96	0.02	
178.88	179.80	0.07	
180.69	181.59	0.03	
182.48	183.37	0.03	
184.27	185.16	0.02	
75.67	76.55	0.05	
77.44	78.32	0.04	
79.21	80.12	0.05	
81.04	81.95	0.05	
82.86	83.78	0.06	
84.69	85.60	0.04	
86.51	87.41	0.06	
88.32	89.23	0.09	
90.14	91.04	0.05	
91.95	92.85	0.03	
93.75	94.66	0.04	
95.56	96.46	0.04	
97.35	98.25	0.04	
99.15	100.04	0.03	
100.94	101.82	0.05	
102.70	103.58	0.04	
104.46	105.34	0.03	
106.22	107.12	0.05	
108.03	108.93	0.05	
109.83	110.74	0.05	
111.64	112.50	0.04	
113.36	114.22	0.04	
186.03	186.90	0.03	
187.77	188.64	0.04	
189.51	190.38	0.04	
191.25	192.12	0.05	
192.99	193.85	0.05	
194.72	195.59	0.06	
196.46	197.33	0.05	

### Magnetic Susceptibility

Depth From	Depth To	Mag Susceptibility	Comments
198.20	199.06	0.03	
199.93	200.80	0.05	
201.67	202.53	0.04	
203.40	204.27	0.05	
205.13	206.00	0.03	
206.88	207.76	0.04	
208.64	209.51	0.03	
210.39	211.27	0.05	
212.15	213.03	0.05	
213.91	214.79	0.07	
215.67	216.55	0.04	
217.46	218.37	0.06	
219.28	220.18	0.03	
37.38	38.30	0.06	
39.22	40.13	0.06	
41.05	41.94	0.04	
42.83	43.73	0.05	
44.62	45.51	0.03	
46.40	47.33	0.09	
48.26	49.19	0.05	
50.11	51.04	0.07	
51.97	52.87	0.05	
53.76	54.66	0.06	
55.55	56.45	0.06	
57.34	58.25	0.03	
59.16	60.07	0.05	
60.98	61.89	0.06	
62.80	63.73	0.04	
64.65	65.58	0.04	
66.51	67.43	0.03	
68.36	69.28	0.02	
70.21	71.13	0.05	
72.05	72.98	0.05	
73.90	74.79	0.04	
38.30	39.22	0.06	
40.13	41.05	0.05	
41.94	42.83	0.05	
43.73	44.62	0.04	
45.51	46.40	0.06	
47.33	48.26	0.05	
49.19	50.11	0.07	
51.04	51.97	0.07	
52.87	53.76	0.06	
54.66	55.55	0.05	
56.45	57.34	0.07	
58.25	59.16	0.04	
60.07	60.98	0.06	
61.89	62.80	0.05	
63.73	64.65	0.05	





# DETAILED DIAMOND DRILL REPORT

## KUKALAK PROJECT

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Hole Number: KLD0109

Units: METRIC

### Magnetic Susceptibility

Depth From	Depth To	Mag Susceptibility	Comments
65.58	66.51	0.04	
67.43	68.36	0.03	
69.28	70.21	0.04	
71.13	72.05	0.06	
72.98	73.90	0.04	
74.79	75.67	0.04	
115.94	116.80	0.05	
117.67	118.54	0.05	
119.42	120.29	0.03	
121.16	122.03	0.04	
122.85	123.67	0.04	
124.50	125.32	0.04	
126.14	126.96	0.04	
127.85	128.74	0.04	
129.63	130.51	0.04	
131.40	132.29	0.04	
133.16	134.03	0.05	
134.90	135.77	0.04	
136.64	137.51	0.05	
138.39	139.27	0.03	
140.16	141.04	0.05	
141.92	142.80	0.03	
143.67	144.53	0.04	
145.40	146.27	0.05	
147.13	148.00	0.04	
148.90	149.80	0.05	
76.55	77.44	0.03	
78.32	79.21	0.06	
80.12	81.04	0.03	
81.95	82.86	0.03	
83.78	84.69	0.03	
85.60	86.51	0.05	
87.41	88.32	0.04	
89.23	90.14	0.03	
91.04	91.95	0.03	
92.85	93.75	0.04	
94.66	95.56	0.09	
96.46	97.35	0.06	
98.25	99.15	0.05	
100.04	100.94	0.04	
101.82	102.70	0.06	
103.58	104.46	0.07	
105.34	106.22	0.07	
107.12	108.03	0.06	
108.93	109.83	0.05	
110.74	111.64	0.06	
112.50	113.36	0.03	
114.22	115.08	0.05	
151.60	152.50	0.04	



# DETAILED DIAMOND DRILL REPORT

## KUKALAK PROJECT

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Hole Number: KLD0109

Units: METRIC

### Magnetic Susceptibility

Depth From	Depth To	Mag Susceptibility	Comments
153.40	154.28	0.03	
155.15	156.03	0.09	
156.90	157.78	0.03	
158.65	159.50	0.03	
160.35	161.21	0.04	
162.06	162.91	0.02	
163.76	164.63	0.02	
165.49	166.36	0.03	
167.23	168.09	0.03	
168.96	169.85	0.03	
170.73	171.62	0.02	
172.50	173.39	0.03	
174.27	175.19	0.03	
176.11	177.04	0.04	
177.96	178.88	0.04	
179.80	180.69	0.02	
181.59	182.48	0.06	
183.37	184.27	0.03	
185.16	186.03	0.03	
186.90	187.77	0.05	
188.64	189.51	0.03	
190.38	191.25	0.02	
192.12	192.99	0.03	
193.85	194.72	0.04	
195.59	196.46	0.02	
197.33	198.20	0.04	
199.06	199.93	0.05	
200.80	201.67	0.03	
202.53	203.40	0.03	
204.27	205.13	0.03	
206.00	206.88	0.05	
207.76	208.64	0.06	
209.51	210.39	0.03	
211.27	212.15	0.04	
213.03	213.91	0.05	
214.79	215.67	0.05	
216.55	217.46	0.05	
218.37	219.28	0.04	
220.18	221.09	0.06	
222.00	222.88	0.03	
223.76	224.64	0.03	
1.96	2.94	0.06	
3.92	4.90	0.06	
5.84	6.78	0.05	
7.73	8.67	0.05	
9.61	10.48	0.06	
11.34	12.21	0.04	
13.07	13.94	0.05	
14.80	15.68	0.05	



# DETAILED DIAMOND DRILL REPORT

## KUKALAK PROJECT

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Hole Number: KLD0109

Units: METRIC

### Magnetic Susceptibility

Depth From	Depth To	Mag Susceptibility	Comments
16.57	17.45	0.05	
18.33	19.22	0.04	
20.10	20.98	0.08	
21.85	22.73	0.03	
23.60	24.48	0.07	
25.35	26.22	0.04	
27.08	27.95	0.06	
28.81	29.68	0.06	
30.54	31.38	0.10	
32.21	33.05	0.07	
33.88	34.72	0.05	
35.55	36.47	0.05	
0.98	1.96	0.03	
2.94	3.92	0.05	
4.90	5.84	0.04	
6.78	7.73	0.05	
8.67	9.61	0.04	
10.48	11.34	0.09	
12.21	13.07	0.03	
13.94	14.80	0.06	
15.68	16.57	0.05	
17.45	18.33	0.06	
19.22	20.10	0.03	
20.98	21.85	0.06	
22.73	23.60	0.04	
24.48	25.35	0.04	
26.22	27.08	0.09	
27.95	28.81	0.07	
29.68	30.54	0.05	
31.38	32.21	0.05	
33.05	33.88	0.07	
34.72	35.55	0.05	
36.47	37.38	0.07	
221.09	222.00	0.04	
222.88	223.76	0.03	
224.64	225.51	0.03	
225.51	226.39	0.02	
226.39	227.27	0.05	
227.27	228.17	0.03	
228.17	229.06	0.03	
229.06	229.96	0.05	
229.96	230.85	0.03	
230.85	231.75	0.04	
231.75	232.64	0.02	
232.64	233.53	0.04	
233.53	234.42	0.03	
234.42	235.31	0.03	
235.31	236.20	0.04	
236.20	237.09	0.04	



# DETAILED DIAMOND DRILL REPORT

## KUKALAK PROJECT

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Hole Number: KLD0109

Units: METRIC

### Magnetic Susceptibility

Depth From	Depth To	Mag Susceptibility	Comments
237.09	237.98	0.03	
237.98	238.86	0.04	
238.86	239.74	0.04	
239.74	240.62	0.04	
240.62	241.49	0.06	
115.08	115.94	0.04	
116.80	117.67	0.05	
118.54	119.42	0.04	
120.29	121.16	0.05	
122.03	122.85	0.03	
123.67	124.50	0.04	
125.32	126.14	0.05	
126.96	127.85	0.03	
128.74	129.63	0.03	
130.51	131.40	0.04	
132.29	133.16	0.04	
134.03	134.90	0.04	
135.77	136.64	0.05	
137.51	138.39	0.06	
139.27	140.16	0.05	
141.04	141.92	0.03	
142.80	143.67	0.02	
144.53	145.40	0.02	
146.27	147.13	0.06	
148.00	148.90	0.12	
149.80	150.70	0.05	
241.49	242.37	0.06	
242.37	243.25	0.04	
243.25	244.16	0.05	
244.16	245.08	0.05	
245.08	245.99	0.05	
245.99	246.90	0.05	
246.90	247.82	0.05	
247.82	248.73	0.05	
248.73	249.61	0.03	
249.61	250.48	0.07	
250.48	251.36	0.11	
251.36	252.23	0.05	
252.23	253.11	0.05	
253.11	253.98	0.06	
253.98	254.86	0.09	
254.86	255.73	0.08	
255.73	256.61	0.05	
256.61	257.49	0.07	
257.49	258.36	0.04	
258.36	259.24	0.03	
259.24	260.10	0.07	
260.10	260.95	0.07	
260.95	261.81	0.07	



# DETAILED DIAMOND DRILL REPORT

## KUKALAK PROJECT

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Hole Number: KLD0109

Units: METRIC

### Magnetic Susceptibility

Depth From	Depth To	Mag Susceptibility	Comments
261.81	262.67	0.05	
262.67	263.52	0.02	
263.52	264.38	0.06	
264.38	265.28	0.05	
265.28	266.17	0.03	
266.17	267.07	0.01	
267.07	267.96	0.02	
267.96	268.86	0.03	
268.86	269.75	0.01	
269.75	270.57	0.01	
270.57	271.38	0.01	
271.38	272.20	0.01	
272.20	273.01	0.01	
273.01	273.83	0.01	
273.83	274.64	0.01	
274.64	275.61	0.02	
275.61	276.58	0.01	
276.58	277.56	0.01	
277.56	278.53	0.01	
278.53	279.50	0.01	
279.50	280.47	0.01	
280.47	281.26	0.02	
281.26	282.05	0.01	
282.05	282.84	0.02	
282.84	283.62	0.01	
283.62	284.41	0.03	
284.41	285.20	0.03	
285.20	286.06	0.01	
286.06	286.93	0.03	
286.93	287.79	0.05	
287.79	288.65	0.03	
288.65	289.52	0.03	
289.52	290.38	0.03	
290.38	291.24	0.03	
291.24	292.10	0.04	
292.10	292.96	0.04	
292.96	293.81	0.04	
293.81	294.67	0.01	
294.67	295.53	0.04	
295.53	296.43	0.02	
296.43	297.33	0.02	
297.33	298.24	0.03	
298.24	299.14	0.04	
299.14	300.04	0.04	
300.04	300.94	0.05	
300.94	301.78	0.05	
301.78	302.61	0.03	
302.61	303.45	0.02	
303.45	304.29	0.04	



# DETAILED DIAMOND DRILL REPORT

## KUKALAK PROJECT

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Hole Number: KLD0109

Units: METRIC

### Magnetic Susceptibility

Depth From	Depth To	Mag Susceptibility	Comments
304.29	305.12	0.04	
305.12	305.96	0.02	
305.96	306.83	0.02	
306.83	307.71	0.02	
307.71	308.58	0.03	
308.58	309.46	0.03	
309.46	310.33	0.04	
310.33	311.21	0.02	
311.21	312.07	0.03	
312.07	312.94	0.05	
312.94	313.80	0.06	
313.80	314.67	0.04	
314.67	315.53	0.04	
315.53	316.40	0.06	
316.40	317.30	0.03	
317.30	318.20	0.03	
318.20	319.09	0.04	
319.09	319.99	0.10	
319.99	320.89	0.11	
320.89	321.79	0.07	
321.79	322.63	0.07	
322.63	323.47	0.12	
323.47	324.31	0.09	
324.31	325.15	0.10	
325.15	325.99	0.11	
325.99	326.83	0.09	
326.83	327.67	0.10	
327.67	328.52	0.09	
328.52	329.36	0.08	
329.36	330.21	0.07	
330.21	331.05	0.07	
331.05	331.90	0.10	
331.90	332.79	0.17	
332.79	333.69	0.10	
333.69	334.58	0.10	
334.58	335.48	0.10	
335.48	336.37	0.10	
336.37	337.27	0.08	
337.27	338.11	0.08	
338.11	338.94	0.08	
338.94	339.78	0.13	
339.78	340.62	0.15	
340.62	341.45	0.21	
341.45	342.29	0.16	
342.29	343.19	0.17	
343.19	344.09	0.22	
344.09	344.98	0.12	
344.98	345.88	0.20	
345.88	346.78	0.21	

**Magnetic Susceptibility**

Depth From	Depth To	Mag Susceptibility	Comments
346.78	347.68	0.17	
347.68	348.57	0.17	
348.57	349.45	0.12	
349.45	350.34	0.15	
350.34	351.23	0.16	
351.23	352.11	0.12	
352.11	353.00	0.16	
353.00	353.88	0.14	
353.88	354.76	0.16	
354.76	355.64	0.18	
355.64	356.52	0.19	
356.52	357.40	0.17	
357.40	357.45	0	