

# DETAILED DIAMOND DRILL REPORT

## KUKALAK PROJECT

Hole Number: **KLD100**

Units: METRIC

Project Name:	Kukalak	UTM Coordinates		Grid Coordinates		Hole Type:	DDH	Collar Dip:	-70.00		
Project Number:	KL	North:	8605564.00	North:	0.00	Hole Size:	NQ	Collar Az:	160.00		
Location:	Ferricrete Anomaly	East:	342501.00	East:	0.00	Casing:	Pulled	Length:	387.00		
		Collar Elev:	305.00	Elev:	0.00	Core Storage:	Exploration Camp	Start Depth:	0.00		
Date Started:	Jul 26, 2003	Collar Survey:	N	Pulse EM Survey:	N	Multishot Survey:	N	Logged By:	LS	Final Depth:	387.00
Date Completed:	Jul 30, 2003	Making Water:	N	Is Hole Plugged:	Y	Is Cemented:	Y	Contractor:	Underground Diamond Drilling		
Total Days:	4	Gas Intersected:	N	Object In Hole:	N	Verified:	N				

## Comments: PETROGRAPHY SAMPLES

55.35m row64  
 79.12m row91  
 94.78m [row109]  
 99.67m [row115]  
 108.25m [row125]  
 381.96m [row449]  
 347m [row404]

## Survey Data

Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments	Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
<b>12.00</b>	164.00	-70.00	EC	OK	magnetic	<b>50.00</b>	166.00	-70.00	EC	OK	magnetic
<b>101.00</b>	165.00	-70.00	EC	OK	magnetic	<b>150.00</b>	169.00	-70.00	EC	OK	magnetic
<b>200.00</b>	171.00	-70.00	EC	OK	magnetic	<b>252.00</b>	175.00	-70.00	EC	OK	magnetic
<b>300.00</b>	176.00	-70.00	EC	OK	magnetic	<b>358.00</b>	178.00	-69.00	EC	OK	magnetic
<b>387.00</b>	180.00	-68.00	EC	OK	magnetic						

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Units: METRIC

**Detailed Lithology**

From	To	Lithology
0	74.46	<b>SDST, sandstone</b>
		<b>Colour</b>
0	- 0.900	Primary Colour: 1 F Y Secondary Colour: 1 I Munsell:
0.900	- 1.700	Primary Colour: 1 F I Secondary Colour: 1 A Munsell:
1.700	- 4.100	Primary Colour: 2 A I Secondary Colour: 1 F Munsell:
4.100	- 4.700	Primary Colour: 1 F I Secondary Colour: 1 A Munsell:
4.700	- 5.300	Primary Colour: 2 A I Secondary Colour: 1 F Munsell:
5.300	- 7.500	Primary Colour: 2 F I Secondary Colour: 2 A P Munsell:
7.500	- 10.950	Primary Colour: 2 A P Secondary Colour: 1 F I Munsell:
10.950	- 13.000	Primary Colour: 2 F I Secondary Colour: 1 A P Munsell:
13.000	- 15.150	Primary Colour: 2 A P Secondary Colour: 1 F Munsell:
15.150	- 16.000	Primary Colour: 1 F I Secondary Colour: 2 A Munsell:
16.000	- 16.850	Primary Colour: 2 F I Secondary Colour: 1 A Munsell:
16.850	- 17.550	Primary Colour: 2 A P Secondary Colour: 1 F Munsell:
17.550	- 20.000	Primary Colour: 2 F I Secondary Colour: 1 A Munsell:
20.000	- 20.600	Primary Colour: 1 A I Secondary Colour: 1 F Munsell:
20.600	- 21.800	Primary Colour: 2 A P Secondary Colour: 1 F Munsell:
21.800	- 22.600	Primary Colour: 2 F Secondary Colour: 1 A Munsell:
22.600	- 22.700	Primary Colour: 1 R Secondary Colour: 1 F Munsell:
22.700	- 25.650	Primary Colour: 2 A F Secondary Colour: 1 I P Munsell:
25.650	- 25.920	Primary Colour: 2 I R Secondary Colour: 1 A P Munsell:
25.920	- 26.400	Primary Colour: 1 A F Secondary Colour: 1 I P Munsell:
26.400	- 26.600	Primary Colour: 2 R P Secondary Colour: Munsell:
26.600	- 26.800	Primary Colour: 2 F I Secondary Colour: 1 A Munsell:
26.800	- 27.380	Primary Colour: 2 P A Secondary Colour: 1 F I Munsell:
27.380	- 28.550	Primary Colour: 2 F A Secondary Colour: 1 I P Munsell:
28.550	- 28.970	Primary Colour: 2 P A Secondary Colour: 1 F Munsell:
28.970	- 31.300	Primary Colour: 2 F A Secondary Colour: 1 P I Munsell:
31.300	- 33.100	Primary Colour: 2 P A Secondary Colour: 1 F I Munsell:
33.100	- 33.400	Primary Colour: 2 F A Secondary Colour: 1 P Munsell:
33.400	- 34.050	Primary Colour: 2 P A Secondary Colour: 1 F Munsell:
34.050	- 34.750	Primary Colour: 2 F A Secondary Colour: 2 M Munsell:
34.750	- 35.200	Primary Colour: 1 A F Secondary Colour: 1 I Munsell:
35.200	- 37.310	Primary Colour: 2 F I Secondary Colour: 1 I A Munsell:
37.310	- 37.750	Primary Colour: 2 A P Secondary Colour: 2 F I Munsell:
37.750	- 38.460	Primary Colour: 2 F O Secondary Colour: 1 P A Munsell:
38.460	- 39.170	Primary Colour: 3 P A Secondary Colour: 1 F I Munsell:

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From	To	Lithology
		<b>Colour</b> 39.170 - 45.700 Primary Colour: 2 F I Secondary Colour: 1 M P Munsell: 45.700 - 47.380 Primary Colour: 2 I F Secondary Colour: 1 A P Munsell: 47.380 - 48.080 Primary Colour: 2 I P Secondary Colour: 1 F Munsell: 48.080 - 51.980 Primary Colour: 2 F I Secondary Colour: 1 P A Munsell: 51.980 - 52.670 Primary Colour: 2 I A Secondary Colour: 1 F P Munsell: 52.670 - 52.910 Primary Colour: 3 P M Secondary Colour: 1 F I Munsell: 52.910 - 54.300 Primary Colour: 2 F I Secondary Colour: 1 P A Munsell: 54.300 - 56.000 Primary Colour: 3 M P Secondary Colour: 1 F I Munsell: 56.000 - 61.000 Primary Colour: 2 F I Secondary Colour: 2 P A Munsell: 61.000 - 62.070 Primary Colour: 2 P M Secondary Colour: 2 F I Munsell: 62.070 - 62.260 Primary Colour: 1 G Y Secondary Colour: 1 A F Munsell: 62.260 - 62.560 Primary Colour: 2 P A Secondary Colour: 1 F I Munsell: 62.560 - 62.950 Primary Colour: 1 Y G Secondary Colour: 1 A I Munsell: 62.950 - 63.690 Primary Colour: 2 I F Secondary Colour: 2 P A Munsell: 63.690 - 64.160 Primary Colour: 1 A G Secondary Colour: 2 F P Munsell: 64.160 - 64.380 Primary Colour: 2 P I Secondary Colour: 1 A G Munsell: 64.920 - 66.000 Primary Colour: 2 I Secondary Colour: 1 A P Munsell: 64.380 - 64.920 Primary Colour: 1 G A Secondary Colour: 1 F I Munsell: 66.000 - 66.280 Primary Colour: 1 A G Secondary Colour: 1 I Munsell: 66.280 - 70.510 Primary Colour: 2 I A Secondary Colour: 1 P Munsell: 70.510 - 70.650 Primary Colour: 2 M P Secondary Colour: 1 F Munsell: 70.650 - 70.700 Primary Colour: 1 G F Secondary Colour: 1 I Munsell: 70.700 - 74.460 Primary Colour: 2 I Secondary Colour: 1 P A Munsell: <b>Lithology</b> 0 - 74.460 Avg Grn: 1, Max Grn: 26, Texture: BN, Minerals: QZ CY , Lithofacies: Gumirbang Sandstone Member

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**Detailed Lithology**

From	To	Lithology
74.46	220.10	<b>MFVL, volcanics</b>  <b>Colour</b> 95.600 - 100.850 Primary Colour: 3 B P Secondary Colour: 2 R B Munsell: 100.850 - 101.600 Primary Colour: 3 G A Secondary Colour: 1 R B Munsell: 101.600 - 104.550 Primary Colour: 3 B G Secondary Colour: 2 G W Munsell: 104.550 - 109.170 Primary Colour: 3 P Secondary Colour: 1 G W Munsell: 109.170 - 111.260 Primary Colour: 3 G B Secondary Colour: 1 R B Munsell: 111.260 - 114.550 Primary Colour: 3 B G Secondary Colour: 1 R B Munsell: 114.550 - 118.900 Primary Colour: 3 P G Secondary Colour: 2 R G Munsell: 118.900 - 122.860 Primary Colour: 2 B G Secondary Colour: 2 R G Munsell: 122.860 - 123.260 Primary Colour: 2 R W Secondary Colour: 1 B G Munsell: 123.260 - 133.300 Primary Colour: 2 G B Secondary Colour: 2 B R Munsell: 133.300 - 140.900 Primary Colour: 3 B R Secondary Colour: 1 G W Munsell: 140.900 - 149.420 Primary Colour: 2 G B Secondary Colour: 2 R B Munsell: 149.420 - 151.100 Primary Colour: 3 B P Secondary Colour: 2 R G Munsell: 151.100 - 153.800 Primary Colour: 3 G A Secondary Colour: 2 R B Munsell: 153.800 - 154.630 Primary Colour: 2 B G Secondary Colour: 2 O G Munsell: 154.630 - 155.420 Primary Colour: 3 B P Secondary Colour: 2 R W Munsell: 155.420 - 162.640 Primary Colour: 3 G B Secondary Colour: 2 P R Munsell: 162.640 - 164.190 Primary Colour: 3 R B Secondary Colour: 2 G B Munsell: 164.190 - 167.800 Primary Colour: 3 G B Secondary Colour: 1 B R Munsell: 167.800 - 171.940 Primary Colour: 3 B G Secondary Colour: 2 R B Munsell: 171.940 - 213.700 Primary Colour: 3 B Secondary Colour: 1 G Munsell: 213.700 - 217.450 Primary Colour: 3 G A Secondary Colour: 1 B Munsell: 217.450 - 218.650 Primary Colour: 2 G F Secondary Colour: 2 B R Munsell: 218.650 - 219.300 Primary Colour: 3 G Secondary Colour: 2 R Y Munsell: 219.300 - 219.890 Primary Colour: 3 B R Secondary Colour: 2 G Munsell: 219.890 - 220.100 Primary Colour: 2 Y G Secondary Colour: 2 G Munsell: 74.460 - 74.610 Primary Colour: 2 F G Secondary Colour: Munsell: 74.610 - 77.610 Primary Colour: 3 R B Secondary Colour: 1 F G Munsell: 77.610 - 79.700 Primary Colour: 2 G A Secondary Colour: 1 R B Munsell: 79.700 - 80.050 Primary Colour: 3 R B Secondary Colour: 1 A G Munsell: 80.050 - 82.100 Primary Colour: 2 G A Secondary Colour: 2 R B Munsell: 82.100 - 82.450 Primary Colour: 3 R B Secondary Colour: 1 G A Munsell: 82.450 - 82.750 Primary Colour: 2 G A Secondary Colour: 1 R B Munsell: 82.750 - 88.220 Primary Colour: 3 B M Secondary Colour: 1 W G Munsell: 88.220 - 95.600 Primary Colour: 2 G A Secondary Colour: 1 M W Munsell:

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**Detailed Lithology**

From	To	Lithology
		<p><b>Lithology</b>  74.460 - 220.100 Avg Grn: -1, Max Grn: 16, Texture: L VS, Minerals: MF HE QZ, Lithofacies:  Nungbalgari Volcanics - Undivided</p> <p><b>MINOR INTERVALS:</b>  <b>Minor Interval:</b>  74.46 - 77.6 MVFW, Mafic Volcanic: Flow layered</p> <p><b>Colour</b>  74.460 - 77.600 Primary Colour: Secondary Colour: Munsell:</p> <p><b>Minor Interval:</b>  77.6 - 82.51 ANDA, andesite to dacite</p> <p><b>Colour</b>  77.600 - 82.510 Primary Colour: Secondary Colour: Munsell:</p> <p><b>Minor Interval:</b>  82.51 - 88.2 MVFW, Mafic Volcanic: Flow layered</p> <p><b>Colour</b>  82.510 - 88.200 Primary Colour: Secondary Colour: Munsell:</p> <p><b>Minor Interval:</b>  88.2 - 101.99 ANDA, andesite to dacite</p> <p><b>Colour</b>  88.200 - 101.990 Primary Colour: Secondary Colour: Munsell:</p> <p><b>Minor Interval:</b>  101.99 - 102.38 MVAM, Mafic Volcanic: Amygdule-rich</p> <p><b>Colour</b>  101.990 - 102.380 Primary Colour: Secondary Colour: Munsell:</p> <p><b>Minor Interval:</b>  102.38 - 102.65 MVFX, Mafic Volcanic: Flow Breccia</p> <p><b>Colour</b>  102.380 - 102.650 Primary Colour: Secondary Colour: Munsell:</p> <p><b>Minor Interval:</b>  102.65 - 103.35 MVAM, Mafic Volcanic: Amygdule-rich</p> <p><b>Colour</b>  102.650 - 103.350 Primary Colour: Secondary Colour: Munsell:</p>

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**Detailed Lithology**

From	To	Lithology
		<b>MINOR INTERVALS:</b> <b>Minor Interval:</b> 103.35 - 104.22 ANDA, andesite to dacite <b>Colour</b> 103.350 - 104.220 Primary Colour: Secondary Colour: Munsell: <b>Minor Interval:</b> 104.22 - 109.17 MVAM, Mafic Volcanic: Amygdule-rich <b>Colour</b> 104.220 - 109.170 Primary Colour: Secondary Colour: Munsell: <b>Minor Interval:</b> 109.17 - 114.65 ANDA, andesite to dacite <b>Colour</b> 109.170 - 114.650 Primary Colour: Secondary Colour: Munsell: <b>Minor Interval:</b> 114.65 - 117.82 MVAM, Mafic Volcanic: Amygdule-rich <b>Colour</b> 114.650 - 117.820 Primary Colour: Secondary Colour: Munsell: <b>Minor Interval:</b> 117.82 - 118.3 MVTF, Mafic Volcanic: Tuffaceous <b>Colour</b> 117.820 - 118.300 Primary Colour: Secondary Colour: Munsell: <b>Minor Interval:</b> 118.3 - 122.86 MVAM, Mafic Volcanic: Amygdule-rich <b>Colour</b> 118.300 - 122.860 Primary Colour: Secondary Colour: Munsell: <b>Minor Interval:</b> 122.86 - 123.26 RHYL, rhyolite <b>Colour</b> 122.860 - 123.260 Primary Colour: Secondary Colour: Munsell: <b>Minor Interval:</b> 123.26 - 133.29 ANDA, andesite to dacite <b>Colour</b> 123.260 - 133.290 Primary Colour: Secondary Colour: Munsell:

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From	To	Lithology
		<b>MINOR INTERVALS:</b> <b>Minor Interval:</b> 133.29 - 135.95 MVAM, Mafic Volcanic: Amygdule-rich <b>Colour</b> 133.290 - 135.950 Primary Colour: Secondary Colour: Munsell: <b>Minor Interval:</b> 135.95 - 136.9 ANDA, andesite to dacite <b>Colour</b> 135.950 - 136.900 Primary Colour: Secondary Colour: Munsell: <b>Minor Interval:</b> 136.9 - 142.85 MVAM, Mafic Volcanic: Amygdule-rich <b>Colour</b> 136.900 - 142.850 Primary Colour: Secondary Colour: Munsell: <b>Minor Interval:</b> 142.85 - 149.6 ANDA, andesite to dacite <b>Colour</b> 142.850 - 149.600 Primary Colour: Secondary Colour: Munsell: <b>Minor Interval:</b> 149.6 - 152.8 MVAM, Mafic Volcanic: Amygdule-rich <b>Colour</b> 149.600 - 152.800 Primary Colour: Secondary Colour: Munsell: <b>Minor Interval:</b> 152.8 - 153.6 ANDA, andesite to dacite <b>Colour</b> 152.800 - 153.600 Primary Colour: Secondary Colour: Munsell: <b>Minor Interval:</b> 153.6 - 162.63 MVAM, Mafic Volcanic: Amygdule-rich <b>Colour</b> 153.600 - 162.630 Primary Colour: Secondary Colour: Munsell: <b>Minor Interval:</b> 162.63 - 163.96 MVFX, Mafic Volcanic: Flow Breccia <b>Colour</b> 162.630 - 163.960 Primary Colour: Secondary Colour: Munsell:

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**Detailed Lithology**

From	To	Lithology
		<b>MINOR INTERVALS:</b> <b>Minor Interval:</b> 163.96 - 165 MVAM, Mafic Volcanic: Amygdule-rich <b>Colour</b> 163.960 - 165.000 Primary Colour: Secondary Colour: Munsell: <b>Minor Interval:</b> 165 - 167.7 ANDA, andesite to dacite <b>Colour</b> 165.000 - 167.700 Primary Colour: Secondary Colour: Munsell: <b>Minor Interval:</b> 167.7 - 169.75 MVAM, Mafic Volcanic: Amygdule-rich <b>Colour</b> 167.700 - 169.750 Primary Colour: Secondary Colour: Munsell: <b>Minor Interval:</b> 169.75 - 217.45 ANDA, andesite to dacite <b>Minor Interval:</b> 217.45 - 218.65 MVFW, Mafic Volcanic: Flow layered <b>Colour</b> 217.450 - 218.650 Primary Colour: Secondary Colour: Munsell: <b>Minor Interval:</b> 218.65 - 218.89 SDST, sandstone <b>Colour</b> 218.650 - 218.890 Primary Colour: Secondary Colour: Munsell: <b>Minor Interval:</b> 218.89 - 219.3 MVPW, Mafic Volcanic: Pillowed <b>Colour</b> 218.890 - 219.300 Primary Colour: Secondary Colour: Munsell: <b>Minor Interval:</b> 219.3 - 220.05 MVTF, Mafic Volcanic: Tuffaceous <b>Colour</b> 219.300 - 220.050 Primary Colour: Secondary Colour: Munsell: <b>Minor Interval:</b> 220.05 - 220.1 FAUT, fault <b>Colour</b> 220.050 - 220.100 Primary Colour: 2 G Secondary Colour: 3 G N Munsell:



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Detailed Lithology		
From	To	Lithology
220.10	345.00	<p><b>SDST, sandstone</b></p> <p><b>Colour</b>  282.000 - 337.000 Primary Colour: 2 M I Secondary Colour: 1 G F Munsell:  220.100 - 282.000 Primary Colour: 1 I F Secondary Colour: 1 G Munsell:</p> <p><b>Lithology</b>  220.100 - 337.000 Avg Grn: -1, Max Grn: 1, Texture: S SA, Minerals: QZ CL , Lithofacies:  highly fractured</p> <p><b>MINOR INTERVALS:</b>  <b>Minor Interval:</b>  337 - 345 BX, breccia</p> <p><b>Colour</b>  338.800 - 345.000 Primary Colour: 3 G Secondary Colour: Munsell:  337.000 - 338.800 Primary Colour: 3 R B Secondary Colour: 1 G Munsell:</p> <p><b>Lithology</b>  337.000 - 338.800 Avg Grn: , Max Grn: , Texture: BX, Minerals: HS CL QZ, Lithofacies:  SDST fragments  338.800 - 345.000 Avg Grn: , Max Grn: , Texture: BX, Minerals: CL QZ , Lithofacies:</p>
345.00	349.40	<p><b>DOL, dolerite</b></p> <p><b>Colour</b>  345.000 - 349.400 Primary Colour: 3 G Secondary Colour: 2 P N Munsell:</p> <p><b>Lithology</b>  345.000 - 349.400 Avg Grn: , Max Grn: , Texture: S BX, Minerals: CL HS MF, Lithofacies:</p> <p><b>MINOR INTERVALS:</b>  <b>Minor Interval:</b>  345 - 349.4 BX, breccia</p> <p><b>Colour</b>  345.000 - 349.400 Primary Colour: 3 G Secondary Colour: Munsell:</p> <p><b>Lithology</b>  345.000 - 349.400 Avg Grn: , Max Grn: , Texture: S BX, Minerals: CL CY HS, Lithofacies:</p>

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**Detailed Lithology**

From	To	Lithology
349.40	351.07	<p><b>SDST, sandstone</b></p> <p><b>Colour</b> 349.400 - 351.070 Primary Colour: 3 G W Secondary Colour: Munsell:</p> <p><b>Lithology</b> 349.400 - 351.070 Avg Grn: 1, Max Grn: 1, Texture: AL, Minerals: QZ CL , Lithofacies:</p> <p><b>MINOR INTERVALS:</b> <b>Minor Interval:</b> 349.4 - 351.07 BX, breccia</p> <p><b>Colour</b> 349.400 - 351.070 Primary Colour: 3 G Secondary Colour: Munsell:</p> <p><b>Lithology</b> 349.400 - 351.070 Avg Grn: , Max Grn: , Texture: S CA, Minerals: CL CY , Lithofacies:</p>
351.07	387.00	<p><b>GRAN, granite</b></p> <p><b>Colour</b> 351.070 - 358.000 Primary Colour: 2 G Y Secondary Colour: 1 P Munsell: 358.000 - 362.800 Primary Colour: 2 P G Secondary Colour: 1 Y R Munsell: 362.800 - 364.150 Primary Colour: 3 Y G Secondary Colour: 1 B Munsell: 364.150 - 366.000 Primary Colour: 2 P G Secondary Colour: 1 Y Munsell: 366.000 - 372.850 Primary Colour: 2 Y G Secondary Colour: 1 P B Munsell: 372.850 - 374.900 Primary Colour: 2 P B Secondary Colour: 1 Y G Munsell: 374.900 - 376.630 Primary Colour: 2 Y G Secondary Colour: 1 B P Munsell: 376.630 - 379.330 Primary Colour: 3 B P Secondary Colour: 1 G Y Munsell: 379.330 - 380.200 Primary Colour: 2 G Secondary Colour: 1 Y Munsell: 380.200 - 380.750 Primary Colour: 3 P B Secondary Colour: 2 G Munsell: 380.750 - 381.000 Primary Colour: 3 G Secondary Colour: 1 Y Munsell: 381.000 - 381.550 Primary Colour: 2 Y Secondary Colour: 3 G Munsell: 381.550 - 387.000 Primary Colour: 3 G W Secondary Colour: 2 B Munsell:</p> <p><b>Lithology</b> 351.070 - 387.000 Avg Grn: 2, Max Grn: 6, Texture: M GT, Minerals: CY QZ FX, Lithofacies: saussuritized and clay altered granite</p>

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**Alteration**

Depth From	Depth To	Strat	Intense	Colour	Alttype	Distrib	Pct	Comments
0	1.650		2		BH	PERV	90.0	
0	1.650		1	O	LI	SPOT	20.0	
1.650	4.000		1		BH	BN	20.0	
4.000	7.550		1	Y	CY	FRAC	1.0	
4.000	7.550		2		BH	PERV	80.0	
6.700	73.130		1	F	CY	FRAC	5.0	
7.550	10.940		1	Y	CY	FRAC	1.0	
7.550	10.940		1	O	LI	FRAC	1.0	
7.550	10.940		1		BH	PERV	90.0	
10.940	13.100		1	Y	CY	FRAC	2.0	
10.940	13.100		1	O	LI	FRAC	1.0	
10.940	13.100		2		BH	PERV	80.0	
13.100	16.040		1		BH	BN	40.0	
16.040	16.820		1	O	LI	INT	90.0	
16.040	16.820		1	Y	CY	INT	90.0	
16.040	16.820		2		BH	PERV	90.0	
16.820	17.630		1		BH	PAT	100.0	
16.820	17.630		1	O	LI	SPOT	20.0	
16.820	17.630		1	Y	CY	INT	100.0	
17.630	20.750		2	Y	CY	INT	90.0	
17.630	20.750		1	O	LI	SPOT	20.0	
17.630	20.750		1	Y	CY	FRAC	1.0	
17.630	20.750		2		BH	PERV	90.0	
20.750	21.870		1		BH	BN	30.0	
20.750	21.870		1	Y	CY	INT	100.0	
21.870	47.230		1	R	HE	BN	2.0	
21.870	47.230		2		BH	PAT	20.0	
21.870	47.230		1	Y	CY	FRAC	2.0	
21.870	47.230		1	M	HE	BLOT	5.0	
21.870	47.230		1	Y	CY	INT	90.0	
21.870	47.230		2		BH	PERV	60.0	
47.230	48.100		1		BH	BN	5.0	
47.230	48.190		3	B	HE	PERV	95.0	
48.110	52.660		1	Y	CY	FRAC	2.0	
48.160	52.660		1	Y	CY	INT	90.0	
48.190	52.660		2		BH	PERV	95.0	
52.660	52.910		3	B	HE	PERV	100.0	

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**Alteration**

Depth From	Depth To	Strat	Intense	Colour	Alttype	Distrib	Pct	Comments
52.910	54.300		2		BH	PERV	100.0	
52.910	54.300		1	Y	CY	INT	90.0	
54.300	56.000		3	B	HE	PERV	95.0	
54.300	56.000		1		BH	BN	5.0	
54.300	56.000		1	W	MI	FRAC	1.0	
56.000	61.000		1	Y	CY	INT	90.0	
56.000	61.000		1	Y	CY	FRAC	1.0	
56.000	61.000		1		QZD	VUG	1.0	
56.000	61.000		2		BH	BN	70.0	
61.000	62.070		1	F	CY	INT	90.0	
61.000	62.070		1	F	CY	FRAC	2.0	
61.000	62.070		2	B	HE	PAT	70.0	
61.000	62.070		2		BH	BN	30.0	
62.070	62.250		2	F	CY	FRAC	30.0	
62.070	62.250		1	G	CL	PERV	90.0	
62.250	62.540		1		BH	BN	10.0	
62.250	62.540		1	Y	CY	INT	100.0	
62.540	62.920		2	Y	CY	INT	100.0	
62.540	62.920		1	Y	CY	FRAC	20.0	
62.540	62.920		1	G	CL	PAT	60.0	
62.920	63.700		1	F	CY	FRAC	1.0	
62.920	63.700		1	Y	CY	INT	90.0	
62.920	63.700		1	M	HE	BN	10.0	
62.920	63.700		2		BH	PERV	100.0	
63.700	73.130		1		QZD	FRAC	3.0	
63.700	73.130		1	Y	CY	INT	90.0	
63.700	73.130		1	M	HE	BN	10.0	
63.700	73.130		1	G	CL	PAT	15.0	
63.700	73.130		2		BH	PERV	90.0	
73.130	74.460		2		BH	PERV	100.0	
73.130	74.460		2		SIL	PERV	100.0	
73.130	74.460		1	Y	CY	FRAC	1.0	
74.460	77.600		1	W	CY	FRAC	10.0	
74.460	77.600		2	G	SV	BN	30.0	
74.460	77.600		2	B	HE	BLOT	80.0	
74.460	77.600		3		CY	PERV	100.0	
77.600	82.510		2	R	HE	VN	30.0	

# DETAILED DIAMOND DRILL REPORT

## KUKALAK PROJECT

Hole Number: **KLD100**

Units: METRIC

**Alteration**

Depth From	Depth To	Strat	Intense	Colour	Alttype	Distrib	Pct	Comments
77.600	82.510		1	W	QZ	VN	2.0	
82.510	88.220		1	G	CL	VN	1.0	
82.510	88.220		1	W	QZ	VN	1.0	
82.510	88.220		3		CY	PERV	95.0	
82.510	88.220		1	Y	SV	SPOT	5.0	
82.510	88.220		3	B	HE	PERV	90.0	
88.220	95.600		2	R	HE	VN	5.0	
93.600	101.900		1	R	HE	VN	2.0	
93.600	101.900		3	B	HE	PERV	100.0	
101.900	104.560		2	G	CL	REPL	20.0	
101.900	104.560		1	W	QZ	VN	5.0	
101.900	104.560		3	B	HE	PERV	90.0	
104.560	109.170		1	G	CL	VN	1.0	
104.560	109.170		2	G	CL	PAT	20.0	
104.560	109.170		1	R	HE	VN	2.0	
104.560	109.170		2	W	QZ	VN	20.0	
104.560	109.170		2	G	CL	REPL	20.0	
104.560	109.170		3	P	HE	PERV	95.0	
109.170	114.550		2	B	HE	PERV	80.0	
109.170	114.550		1	W	QZ	VN	1.0	
109.170	114.550		1	B	HE	VN	3.0	
114.550	120.220		1	W	QZ	VN	10.0	
114.550	120.220		1		BH	PAT	10.0	
114.550	120.220		2	R	HE	REPL	5.0	
114.550	120.220		2	R	HE	VN	5.0	
114.550	120.220		2	G	CL	REPL	20.0	
114.550	120.220		2	G	CL	BLOT	40.0	
114.550	120.220		3	P	HE	PERV	50.0	
120.220	122.860		2	G	CL	REPL	90.0	
120.220	122.860		1	W	QZ	VN	10.0	
120.220	122.860		1	R	HE	REPL	70.0	
120.220	122.860		1	R	HE	VN	10.0	
122.260	133.300		1	W	CC	VN	1.0	
122.860	123.260		2	R	HE	REPL	80.0	
123.260	133.300		2	B	HE	PERV	80.0	
123.260	133.300		1	W	QZ	VN	10.0	
123.260	133.300		2	G	CL	REPL	90.0	

# DETAILED DIAMOND DRILL REPORT

## KUKALAK PROJECT



Hole Number: KLD100

Units: METRIC

**Alteration**

Depth From	Depth To	Strat	Intense	Colour	Alttype	Distrib	Pct	Comments
123.260	133.300		1	R	HE	VN	2.0	
133.300	140.900		2	G	CL	REPL	20.0	
133.300	140.900		2	W	QZ	VN	20.0	
133.300	140.900		2	R	HE	REPL	30.0	
133.300	140.900		2	R	HE	VN	5.0	
133.300	140.900		3	B	HE	PERV	95.0	
140.900	150.420		1	R	HE	PAT	5.0	
140.900	150.420		2	G	CL	REPL	80.0	
140.900	150.420		1	B	HE	PAT	50.0	
150.420	151.100		3	B	HE	PERV	100.0	
150.420	151.100		2	G	CL	REPL	90.0	
150.420	151.180		2	R	HE	repl	20.0	
151.180	162.640		1	W	QZ	VN	5.0	
151.180	162.640		3	P	HE	PERV	10.0	
151.180	162.640		2	R	HE	REPL	40.0	
151.180	162.640		2	G	CL	VN	5.0	
151.180	162.640		2	G	CL	REPL	90.0	
151.180	162.640		1		BH	PAT	20.0	
162.640	164.190		2	B	QZ	BX	70.0	
162.640	164.190		2	W	QZ	VN	5.0	
162.640	164.190		2	R	HE	REPL	80.0	
164.190	171.940		2	R	HE	REPL	5.0	
164.190	171.940		1	W	QZ	VN	1.0	
164.190	171.940		1	R	HE	VN	5.0	
164.190	171.940		3	B	HE	PERV	70.0	
164.190	171.940		2	G	CL	REPL	50.0	
171.940	214.670		2	R	HE	PERV	90.0	
171.940	214.670		1	W	QZ	VN	5.0	
171.940	214.670		1	G	CL	REPL	90.0	
171.940	214.670		1	I	KF	REPL	10.0	
214.670	217.460		2	R	HE	REPL	10.0	
214.670	217.460		1	R	HE	VN	5.0	
214.670	217.460		2	G	CL	PERV	100.0	
217.460	218.650		1	G	CL	REPL	20.0	
217.460	218.650		1	A	QZ	VN	1.0	
217.460	218.650		2	B	HE	PERV	40.0	
217.460	218.650		1	G	CL	PERV	60.0	

# DETAILED DIAMOND DRILL REPORT

## KUKALAK PROJECT

Hole Number: **KLD100**

Units: METRIC

**Alteration**

Depth From	Depth To	Strat	Intense	Colour	Alttype	Distrib	Pct	Comments
218.650	218.890		1	R	HE	PAT	40.0	
218.650	218.890		1	G	CL	INT	100.0	
218.650	219.300		2	B	HE	PAT	20.0	
218.890	219.300		3	G	CL	PERV	80.0	
219.300	220.050		1	G	CL	REPL	10.0	
219.300	220.050		1		BH	PAT	20.0	
219.300	220.050		2	G	CL	PERV	40.0	
219.300	220.050		3	B	HE	PERV	60.0	
220.050	220.100		3	G	CL	FM	50.0	
220.050	220.100		2	G	CY	GG	100.0	
220.100	220.120		3	G	CL	PERV	100.0	
220.120	337.000		1	G	CL	FRAC	20.0	
220.120	337.000		1	G	CL	INT	40.0	
220.120	337.000		1	G	CL	STM	10.0	
220.120	337.000		1		BH	PAT	20.0	
337.000	338.500		1	G	CL	PERV	20.0	
337.000	338.500		3	R	HS	BX	80.0	
337.000	338.500		3	A	QZ	BX	80.0	
338.500	341.400		2	B	HE	FRAC	5.0	
338.500	341.400		3	G	CL	PERV	95.0	
338.500	341.400		3		SIL	PERV	100.0	
340.200	340.400		3	G	CL	GG	100.0	
341.400	345.000		3		SIL	PERV	40.0	
341.400	345.000		3	G	CL	PERV	100.0	
345.000	345.200		3	P	HS	REPL	100.0	
345.200	346.000		3	G	CL	PERV	100.0	
346.000	347.150		3	G	CL	PERV	100.0	
346.000	347.150		3	P	HS	REPL	95.0	
347.150	351.070		1	P	HE	SPOT	2.0	
347.150	351.070		3	G	CL	PERV	100.0	
351.070	358.000		3	P	HE	REPL	40.0	
351.070	358.000		2	G	CL	GG	20.0	
351.070	358.000		2	G	CL	REPL	10.0	
351.070	358.000		3	G	CL	VN	20.0	
351.070	358.000		2	Y	SAUS	REPL	100.0	
358.000	363.000		2	W	QZ	VN	2.0	
358.000	363.000		1	R	HE	REPL	1.0	

# DETAILED DIAMOND DRILL REPORT

## KUKALAK PROJECT

Hole Number: **KLD100**

Units: METRIC

**Alteration**

Depth From	Depth To	Strat	Intense	Colour	Alttype	Distrib	Pct	Comments
358.000	363.000		3	Y	SAUS	REPL	100.0	
358.000	363.000		3	P	HE	REPL	80.0	
363.000	364.160		3	Y	SAUS	PERV	100.0	
364.160	366.000		3	G	CL	REPL	30.0	
364.160	366.000		3	P	HE	REPL	70.0	
364.160	366.000		3	Y	SAUS	PERV	100.0	
366.000	381.550		1	W	QZ	VN	2.0	
366.000	381.550		3	Y	CY	GG	20.0	
366.000	381.550		1	G	CL	REPL	10.0	
366.000	381.550		2	B	HE	BLEB	50.0	
366.000	381.550		3	P	HE	REPL	40.0	
366.000	381.550		3	Y	SAUS	REPL	90.0	
381.550	387.000		1	G	SAUS	REPL	60.0	
381.550	387.000		3	G	CL	FRAC	10.0	
381.550	387.000		3	B	HE	BLEB	80.0	
381.550	387.000		3	G	CL	REPL	100.0	



# DETAILED DIAMOND DRILL REPORT

## KUKALAK PROJECT



Hole Number: KLD100

Units: METRIC

### Interval Structure

Depth From	Depth To	Structure	Frac Int	Friab	Recov	Peaks	Comments
27.500	30.000	BC					
44.050	45.300	BC					
74.460	88.220	FO					
97.000	99.210	BC					
106.530	108.000	BC					
116.000	119.650	BC					
125.600	126.000	BC					
127.200	129.150	BC					
130.210	130.900	BC					
155.470	156.000	BC					
165.850	168.020	BC					
217.450	218.650	FO					FLOW FOLIATION
218.890	220.100	BC					
220.100	261.000	FR					strongly fractured & broken throughout
220.100	261.000	BC					strongly fractured & broken throughout
282.000	332.000	BC					
332.000	333.000	BX					
333.000	334.500	BC					
334.500	335.500	BX					
337.000	338.500	BX					
338.500	340.200	BC					
340.200	340.600	GG					
340.600	344.300	BC					
344.300	344.350	GG					
344.350	344.750	BC					
344.750	350.500	BX					
350.500	350.960	BC					
350.960	351.200	GG					
351.200	353.250	FR					
353.250	354.500	BX					
354.500	355.450	BC					
355.450	355.600	GG					
355.600	358.550	BC					
360.000	360.200	GG					
360.200	360.400	BC					
366.000	369.000	BC					
370.000	371.000	FR					
372.000	372.100	GG					

DETAILED DIAMOND DRILL REPORT  
KUKALAK PROJECT



Hole Number: KLD100

Units: METRIC

Interval Structure

Depth From	Depth To	Structure	Frac Int	Friab	Recov	Peaks	Comments
375.000	375.900	GG					
379.470	379.920	GG					
380.120	382.550	BC					
385.000	387.000	FR					

Lithology Details

Mineralization

Mineralogy