

DETAILED LOG

Hole Number: ER2006-10

Units: METRIC

Project Name: Norway - South Norway	Primary Coordinates Grid: UTM84-32N	Destination Coordinates Grid: UTM:	Collar Dip: -68.93
Project Number: 203	North: 6659672.10	North: 60.07	Collar Az: 46.00
Location: Ertelia	East: 558072.40	East: 10.04	Length: 343.00 (m)
	Elev: 178.60	Elev: 178.60	Start Depth: 0.00 (m)
Date Started: Aug 12, 2006	Collar Survey: N	Plugged: N	Contractor: Arctic Drilling A/S
Date Completed: Aug 24, 2006	Multishot Survey: Y	Hole Size: TT46	Core Storage:
Logged By: larsw, blairt	Pulse EM Survey: N	Casing: Left in Hole, capped	Final Depth: 343.00 (m)

Comments:

Sample Averages

Average Type	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
WEIGHTED	209.50	256.91	47.41	0.4007	0.2812	0.0279
WEIGHTED	221.50	251.25	29.75	0.5401	0.3753	0.0361
WEIGHTED	230.05	239.60	9.55	1.0259	0.3561	0.0612
WEIGHTED	236.70	239.60	2.90	1.6714	0.5428	0.0891
WEIGHTED	295.85	298.80	2.95	0.6146	0.3458	0.0303

Survey Data

Depth (m)	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments	Depth (m)	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
0.00	46.00	-68.93	Gyro	OK		3.00	45.74	-68.73	Gyro	OK	
6.00	48.54	-68.74	Gyro	OK		9.00	54.16	-68.70	Gyro	OK	
10.00	45.40	-68.70	EZ	OK		12.00	55.48	-68.75	Gyro	OK	
15.00	47.88	-68.58	Gyro	OK		18.00	54.25	-68.50	Gyro	OK	
21.00	46.93	-68.38	Gyro	OK		24.00	47.92	-68.33	Gyro	OK	
25.00	56.20	-68.30	EZ	OK		27.00	52.93	-68.37	Gyro	OK	
30.00	48.42	-68.25	Gyro	OK		33.00	52.14	-68.26	Gyro	OK	
36.00	54.24	-68.16	Gyro	OK		39.00	46.92	-68.10	Gyro	OK	
42.00	47.88	-68.04	Gyro	OK		45.00	45.87	-68.16	Gyro	OK	
48.00	50.30	-68.17	Gyro	OK		50.00	49.10	-68.10	EZ	OK	
51.00	53.89	-68.09	Gyro	OK		54.00	46.32	-68.11	Gyro	OK	
57.00	49.20	-67.96	Gyro	OK		60.00	52.04	-68.00	Gyro	OK	
63.00	47.65	-68.03	Gyro	OK		66.00	49.20	-67.98	Gyro	OK	
69.00	48.99	-67.89	Gyro	OK		72.00	48.59	-67.89	Gyro	OK	
75.00	47.37	-67.86	Gyro	OK		78.00	49.28	-67.84	Gyro	OK	
81.00	49.33	-67.73	Gyro	OK		84.00	49.38	-67.68	Gyro	OK	
87.00	49.21	-67.75	Gyro	OK		90.00	49.54	-67.71	Gyro	OK	
93.00	48.63	-67.74	Gyro	OK		96.00	49.69	-67.63	Gyro	OK	
99.00	49.31	-67.57	Gyro	OK		100.00	46.70	-67.80	EZ	OK	

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Depth (m)	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments	Depth (m)	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
102.00	51.27	-67.60	Gyro	OK		105.00	50.36	-67.49	Gyro	OK	
108.00	47.72	-67.55	Gyro	OK		111.00	49.53	-67.45	Gyro	OK	
114.00	49.86	-67.48	Gyro	OK		117.00	47.34	-67.57	Gyro	OK	
120.00	48.81	-67.58	Gyro	OK		123.00	45.89	-67.83	Gyro	OK	
126.00	46.41	-67.79	Gyro	OK		129.00	47.51	-67.85	Gyro	OK	
132.00	50.84	-67.77	Gyro	OK		135.00	48.33	-67.68	Gyro	OK	
138.00	47.67	-67.73	Gyro	OK		141.00	46.27	-67.65	Gyro	OK	
144.00	47.40	-67.65	Gyro	OK		147.00	49.96	-67.66	Gyro	OK	
150.00	46.29	-67.68	Gyro	OK		150.00	47.10	-67.60	EZ	OK	
153.00	50.14	-67.65	Gyro	OK		156.00	48.50	-67.70	Gyro	OK	
159.00	48.38	-67.67	Gyro	OK		162.00	49.99	-67.68	Gyro	OK	
165.00	50.92	-67.69	Gyro	OK		168.00	48.27	-67.54	Gyro	OK	
171.00	48.69	-67.50	Gyro	OK		174.00	46.87	-67.53	Gyro	OK	
177.00	46.47	-67.53	Gyro	OK		180.00	49.29	-67.49	Gyro	OK	
183.00	52.66	-67.46	Gyro	OK		186.00	49.33	-67.55	Gyro	OK	
189.00	55.33	-67.62	Gyro	OK		192.00	50.60	-67.64	Gyro	OK	
195.00	55.90	-67.67	Gyro	OK		198.00	53.13	-67.63	Gyro	OK	
200.00	52.80	-67.50	EZ	OK		201.00	54.71	-67.69	Gyro	OK	
204.00	56.97	-67.73	Gyro	OK		207.00	54.20	-67.73	Gyro	OK	
210.00	60.85	-67.76	Gyro	OK		213.00	53.52	-67.84	Gyro	OK	
216.00	52.71	-67.84	Gyro	OK		219.00	55.94	-67.81	Gyro	OK	
222.00	65.69	-67.86	Gyro	OK		225.00	61.81	-67.87	Gyro	OK	
228.00	63.79	-67.81	Gyro	OK		231.00	55.35	-67.84	Gyro	OK	
234.00	54.52	-67.84	Gyro	OK		237.00	66.00	-67.81	Gyro	DO	
240.00	56.10	-67.81	Gyro	OK		243.00	60.19	-67.80	Gyro	OK	
246.00	64.99	-67.93	Gyro	OK		249.00	67.41	-67.97	Gyro	OK	
250.00	54.90	-67.80	EZ	OK		252.00	59.28	-68.04	Gyro	OK	
255.00	55.85	-68.01	Gyro	OK		258.00	54.92	-67.89	Gyro	OK	
261.00	56.94	-67.95	Gyro	OK		264.00	62.40	-67.79	Gyro	OK	
267.00	51.70	-67.76	Gyro	DO		270.00	54.72	-67.76	Gyro	OK	
273.00	52.88	-67.61	Gyro	OK		276.00	54.54	-67.54	Gyro	OK	
279.00	60.21	-67.40	Gyro	OK		282.00	65.00	-67.40	Gyro	OK	
285.00	63.18	-67.45	Gyro	OK		288.00	57.90	-67.49	Gyro	OK	
291.00	55.15	-67.55	Gyro	OK		294.00	53.70	-67.57	Gyro	OK	
297.00	53.85	-67.53	Gyro	OK		300.00	54.35	-67.46	Gyro	OK	

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Depth (m)	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments	Depth (m)	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
303.00	54.54	-67.42	Gyro	OK		306.00	56.04	-67.32	Gyro	OK	
309.00	55.44	-67.12	Gyro	OK		312.00	56.25	-67.01	Gyro	OK	
315.00	57.04	-66.96	Gyro	OK		318.00	57.94	-66.97	Gyro	OK	
321.00	58.81	-67.08	Gyro	OK		324.00	60.23	-67.17	Gyro	OK	
325.00	53.40	-67.40	EZ	OK		327.00	61.66	-67.13	Gyro	OK	

Detailed Lithology			Assay Data						
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
0	2.35	C, Casing							

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Detailed Lithology		Assay Data							
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
		<p>RQD</p> <p>45.00 - 48.00 : 31.00 % RQD 100.00 % Core</p> <p>48.00 - 51.00 : 15.00 % RQD 100.00 % Core</p> <p>51.00 - 54.00 : 50.00 % RQD 100.00 % Core</p> <p>54.00 - 57.00 : 47.00 % RQD 100.00 % Core</p> <p>57.00 - 60.00 : 78.00 % RQD 100.00 % Core</p> <p>60.00 - 63.00 : 53.00 % RQD 100.00 % Core</p> <p>63.00 - 66.00 : 76.00 % RQD 100.00 % Core</p> <p>66.00 - 69.00 : 85.00 % RQD 100.00 % Core</p> <p>69.00 - 72.00 : 28.00 % RQD 100.00 % Core</p> <p>72.00 - 75.00 : 35.00 % RQD 100.00 % Core</p> <p>75.00 - 78.00 : 72.00 % RQD 100.00 % Core</p> <p>78.00 - 81.00 : 70.00 % RQD 100.00 % Core</p> <p>MINOR INTERVALS:</p> <p>Minor Interval:</p> <p>34 - 35 MD, Mafic Dike</p> <p>This unit consists of a fine-grained, homogeneous, non-foliated, non-magnetic, non-mineralized plagioclase and pyroxene-bearing mafic rock.</p> <p>The upper contact is broken, the lower is sharp at 20 degrees tca.</p>							
80.50	87.40	<p>4, Anorthosite / Anorthosite Gabbro</p> <p>This unit consists of a white, coarse-grained, plagioclase-rich, pegmatitic anorthosite. Plagioclase amounts to ~80%; quartz, biotite, fuchsite and other minor alteration minerals account for the rest.</p> <p>This unit is not mineralized.</p> <p>The lower contact of this unit is sharp but irregular and slightly brecciated.</p> <p>Broken core between 83 and 84m.</p> <p>Structure</p> <p>83.00 - 84.00</p> <p>broken core, likely fault</p> <p>RQD</p> <p>81.00 - 84.00 : 36.00 % RQD 100.00 % Core</p> <p>84.00 - 87.00 : 43.00 % RQD 100.00 % Core</p> <p>87.00 - 90.00 : 19.00 % RQD 100.00 % Core</p> <p>Highly broken core - low angle breaks</p>							

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Detailed Lithology		Lithology	Assay Data						
From (m)	To (m)		Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
87.40	245.65	7, Undivided Mafic Intrusive	PG04642	180.00	180.65	0.65	0.1600	0.0900	0.0100
		Fine to medium grained, dark grey to grey, weakly magnetic, heterogenous, highly broken unit composed of ~65% plagioclase, 30% pyroxenes (moderately serpentinized) and 5% garnet. Garnet-bearing horizons are proximal to more felsic horizons. Serpentinized remenant pyroxenes within the gabbronorite have mm scale white-alteration haloes.	PG04643	180.65	181.75	1.10	0.1800	0.1000	0.0200
			PG04644	181.75	183.00	1.25	0.1400	0.0800	0.0100
		87.40-131m: Highly broken core at low angles to the ca (average ~30 degrees tca). Serpentine +- quartz-carbonate veinlets locally sub-parallel to parallel to the ca.	PG04645	202.00	203.50	1.50	0.1900	0.1300	0.0100
			PG04646	203.50	205.00	1.50	0.1700	0.1200	0.0100
		MAJOR FAULT: 221.15-221.50m - Highly friable core with a sharp upper contact at 25 degrees tca. The lower contact was located within broken core.	PG04647	205.00	206.50	1.50	0.2300	0.1300	0.0100
			PG04648	206.50	208.00	1.50	0.1900	0.1400	0.0100
		Mineralization - Downhole of major structure at 221.15-221.50m, there are numerous cm to m scale massive sulphide veinlets and veins, generally composed of 95% pyrrhotite, 1-2% chalcopyrite and 3-4% pyrite. These veins and veinlets are irregular to the ca and at various angles. Generally the massive sulphides contain 10-20% "barren" gabbronorite xenoliths which are mm to cm scale. The approximate contacts of this mineralized, injected horizon is ~221.5 - 257m. See mineralization tab for larger mineralized intervals.	PG04649	208.00	209.50	1.50	0.1500	0.1200	0.0100
			PG04651	209.50	210.90	1.40	0.2200	0.2100	0.0300
		The lower contact of this unit is sharp along a major downhole friable fault at 30 degrees tca.	PG04652	213.15	214.00	0.85	0.1600	0.1100	0.0100
			PG04653	214.00	215.50	1.50	0.2200	0.1600	0.0200
		Mineralization 242.10 - 242.60 : Po Pyrrhotite, M Massive, 60%	PG04654	215.50	217.00	1.50	0.2000	0.2000	0.0100
			PG04655	217.00	217.60	0.60	1.2500	0.8800	0.1000
		239.00 - 239.60 : Cpy Chalcopyrite, D Disseminated, 1%	PG04656	217.60	219.00	1.40	0.2000	0.1300	0.0200
			PG04657	219.00	220.00	1.00	0.1900	0.2400	0.0100
		239.00 - 239.60 : Po Pyrrhotite, M Massive, 70%	PG04658	220.00	221.50	1.50	0.1300	0.0600	0.0100
			PG04659	221.50	223.10	1.60	0.2200	0.6200	0.0300
		236.70 - 238.07 : Cpy Chalcopyrite, D Disseminated, 2%	PG04660	223.10	223.85	0.75	1.0200	0.9000	0.0500
			PG04661	223.85	225.35	1.50	0.2600	0.1700	0.0200
		236.70 - 238.07 : Py Pyrite, MG Medium Grained, 3%	PG04662	225.35	226.85	1.50	0.4100	0.5600	0.0300
			PG04663	226.85	228.50	1.65	0.2300	0.2400	0.0200
		236.70 - 238.07 : Po Pyrrhotite, M Massive, 85%	PG04664	228.50	230.05	1.55	0.2200	0.2500	0.0200
			PG04665	230.05	230.60	0.55	1.4300	0.2600	0.0900
		233.00 - 234.50 : Cpy Chalcopyrite, D Disseminated, 2%	PG04666	230.60	231.80	1.20	0.4300	0.2100	0.0300
			PG04667	231.80	233.00	1.20	0.3100	0.1700	0.0200
		233.00 - 234.50 : Py Pyrite, MG Medium Grained, 5%	PG04668	233.00	234.50	1.50	1.9200	0.6500	0.1300
			PG04669	234.50	235.60	1.10	0.2200	0.1100	0.0100
		233.00 - 234.50 : Po Pyrrhotite, M Massive, 73%	PG04670	235.60	236.70	1.10	0.1400	0.1200	0.0100
			PG04671	236.70	238.07	1.37	2.1600	0.7200	0.1200
		28cm of pyrite-overprinting on up-dip edge	PG04672	238.07	239.00	0.93	0.6300	0.4900	0.0300
			PG04673	239.00	239.60	0.60	2.1700	0.2200	0.1100
		231.09 - 231.23 : Cpy Chalcopyrite, D Disseminated, 5%	PG04674	239.60	240.85	1.25	0.1600	0.1200	0.0100
			PG04676	240.85	242.10	1.25	0.1900	0.1000	0.0100
		231.09 - 231.23 : Po Pyrrhotite, NT Net-Textured, 45%	PG04677	242.10	242.60	0.50	1.8900	0.0700	0.0900
			PG04678	242.60	244.00	1.40	0.4400	0.6300	0.0300
		230.05 - 230.60 : Cpy Chalcopyrite, D Disseminated, 2%	PG04679	244.00	245.65	1.65	0.2000	0.1400	0.0200
		230.05 - 230.60 : Po Pyrrhotite, M Massive, 68%							
		227.42 - 227.52 : Cpy Chalcopyrite, D Disseminated, 3%							
		227.42 - 227.52 : Po Pyrrhotite, M Massive, 90%							
		226.70 - 226.85 : Po Pyrrhotite, M Massive, 100%							
		223.70 - 223.85 : Po Pyrrhotite, M Massive, 100%							
		223.30 - 223.50 : Cpy Chalcopyrite, D Disseminated, 2%							
		223.30 - 223.50 : Py Pyrite, MG Medium Grained, 3%							
		223.30 - 223.50 : Po Pyrrhotite, VN Veins, 55%							

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Detailed Lithology		Assay Data							
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
		Mineralization 223.10 - 223.14 : Po Pyrrhotite, M Massive, 100% Massive sulphide veinlet at 15 degrees tca 217.00 - 217.60 : Cpy Chalcopyrite, TR Trace, 0.5% 217.00 - 217.60 : Py Pyrite, MG Medium Grained, 5% 217.00 - 217.60 : Po Pyrrhotite, NT Net-Textured, 40% 202.00 - 210.90 : Py Pyrite, D Disseminated, 4% 202.00 - 210.90 : Po Pyrrhotite, D Disseminated, 3% 184.40 - 184.45 : Py Pyrite, VN Veins, 1% mm scale pyrite-veinlets at various degrees tca 180.65 - 181.75 : Po Pyrrhotite, PAT Patchy, 6% Alteration 213.30 - 213.32 :SERP Serpentine, V Vein, M Moderate At 50 degrees tca 174.70 - 174.71 :SERP Serpentine, V Vein, M Moderate At 45 degrees tca 172.65 - 173.60 :SERP Serpentine, V Vein, M Moderate 1cm wide serp-talc veinlet, paralleling the ca. 150.75 - 150.76 :SERP Serpentine, V Vein, M Moderate At 25 degrees tca 141.25 - 141.28 :SERP Serpentine, V Vein, M Moderate At 50 degrees tca Structure 173.60 - 173.65 : F Fractured, 25 Deg to CA Unconsolidated serp-talc fault gouge at 25 degrees tca. MAJOR STRUCTURE 190.60 - 190.65 : S Schistose, 50 Deg to CA Light green serpentine veinlets at -50 degrees tca, swelling! 221.15 - 221.50 : F Fractured, 25 Deg to CA Highly friable core. The upper contact is sharp at 25 degrees tca; lower contact was based on broken, friable core. 232.45 - 233.00 : F Fractured, 15 Deg to CA BROKEN core; friable at upper contact 234.80 - 236.70 HIGHLY BROKEN CORE 245.64 - 245.65 : F Fractured, 30 Deg to CA Major fault RQD 90.00 - 93.00 : 16.00 % RQD 100.00 % Core Highly broken core - low angle breaks 93.00 - 96.00 : 25.00 % RQD 100.00 % Core Highly broken core - low angle breaks 96.00 - 99.00 : 37.00 % RQD 100.00 % Core Highly broken core - low angle breaks 99.00 - 102.00 : 66.00 % RQD 100.00 % Core							

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From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
		RQD							
		102.00 - 105.00 : 79.00 % RQD 100.00 % Core							
		105.00 - 108.00 : 18.00 % RQD 100.00 % Core							
		Highly broken core - low angle breaks							
		108.00 - 111.00 : 40.00 % RQD 100.00 % Core							
		Highly broken core - low angle breaks							
		111.00 - 114.00 : 78.00 % RQD 100.00 % Core							
		114.00 - 117.00 : 65.00 % RQD 100.00 % Core							
		117.00 - 120.00 : 56.00 % RQD 100.00 % Core							
		120.00 - 123.00 : 84.00 % RQD 100.00 % Core							
		123.00 - 126.00 : 58.00 % RQD 100.00 % Core							
		126.00 - 129.00 : 23.00 % RQD 100.00 % Core							
		Highly broken core - low angle breaks							
		129.00 - 132.00 : 56.00 % RQD 100.00 % Core							
		132.00 - 135.00 : 84.00 % RQD 100.00 % Core							
		135.00 - 138.00 : 80.00 % RQD 100.00 % Core							
		138.00 - 141.00 : 93.00 % RQD 100.00 % Core							
		141.00 - 144.00 : 98.00 % RQD 100.00 % Core							
		144.00 - 147.00 : 100.00 % RQD 100.00 % Core							
		147.00 - 150.00 : 98.00 % RQD 100.00 % Core							
		150.00 - 153.00 : 87.00 % RQD 100.00 % Core							
		153.00 - 156.00 : 100.00 % RQD 100.00 % Core							
		156.00 - 159.00 : 100.00 % RQD 100.00 % Core							
		159.00 - 162.00 : 91.00 % RQD 100.00 % Core							
		162.00 - 165.00 : 93.00 % RQD 100.00 % Core							
		165.00 - 168.00 : 90.00 % RQD 100.00 % Core							
		168.00 - 171.00 : 100.00 % RQD 100.00 % Core							
		171.00 - 174.00 : 85.00 % RQD 100.00 % Core							
		174.00 - 177.00 : 88.00 % RQD 100.00 % Core							
		177.00 - 180.00 : 83.00 % RQD 100.00 % Core							
		180.00 - 183.00 : 100.00 % RQD 100.00 % Core							
		183.00 - 186.00 : 77.00 % RQD 100.00 % Core							
		186.00 - 189.00 : 81.00 % RQD 100.00 % Core							
		189.00 - 192.00 : 84.00 % RQD 100.00 % Core							
		192.00 - 195.00 : 67.00 % RQD 100.00 % Core							
		195.00 - 198.00 : 52.00 % RQD 100.00 % Core							
		198.00 - 201.00 : 75.00 % RQD 100.00 % Core							
		201.00 - 204.00 : 27.00 % RQD 100.00 % Core							
		204.00 - 207.00 : 76.00 % RQD 100.00 % Core							

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From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
		RQD							
		207.00 - 210.00 : 79.00 % RQD 100.00 % Core							
		210.00 - 213.00 : 50.00 % RQD 100.00 % Core							
		213.00 - 216.00 : 83.00 % RQD 100.00 % Core							
		216.00 - 219.00 : 77.00 % RQD 100.00 % Core							
		219.00 - 222.00 : 21.00 % RQD 100.00 % Core							
		222.00 - 225.00 : 84.00 % RQD 100.00 % Core							
		225.00 - 228.00 : 100.00 % RQD 100.00 % Core							
		228.00 - 231.00 : 87.00 % RQD 100.00 % Core							
		231.00 - 234.00 : 74.00 % RQD 100.00 % Core							
		234.00 - 237.00 : 28.00 % RQD 100.00 % Core							
		237.00 - 240.00 : 79.00 % RQD 100.00 % Core							
		240.00 - 243.00 : 93.00 % RQD 100.00 % Core							
		243.00 - 246.00 : 87.00 % RQD 100.00 % Core							
		MINOR INTERVALS:							
		Minor Interval:							
		120.8 - 121.4 5, Undivided Metasediments							
		Dark grey, fine grained, non-magnetic, weakly foliated siliceous unit composed of varying amounts of quartz, plagioclase, biotite, chlorite and pyroxenes. Intermediate gneiss xenoliths?							
		Contacts are well preserved (ie not too much interference); "happy" contacts are sharp but irregular.							
		The upper contact is sharp at 50 degrees tca and the lower contact of this unit is broken.							
		Minor Interval:							
		122.4 - 122.7 5, Undivided Metasediments							
		Dark grey, fine grained, non-magnetic, weakly foliated siliceous unit composed of varying amounts of quartz, plagioclase, biotite, chlorite and pyroxenes. Intermediate gneiss xenoliths?							
		Contacts are well preserved (ie not too much interference); "happy" contacts are sharp but irregular.							
		The upper and lower contacts of this unit are sharp but irregular.							
		Minor Interval:							
		164.25 - 165.5 MV, Mafic Volcanic							
		MAFIC DYKE							
		Very fine grained, homogenous, weakly foliated, non-magnetic, dark green mafic dyke composed primarily of chlorite and plagioclase (+-quartz, biotite).							
		The upper contact of this unit is sharp at 50 degrees tca, and the lower contact is sharp but lost within broken core.							

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Units: METRIC

Detailed Lithology		Assay Data							
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
		<p>MINOR INTERVALS:</p> <p>Minor Interval: 194.25 - 196.4 MV, Mafic Volcanic MAFIC DYKE</p> <p>Very fine grained, homogenous, weakly foliated, non-magnetic, dark green mafic dyke composed primarily of chlorite and plagioclase (+-quartz, biotite). This unit is highly broken, with a fault at 195.50m. The orientation of this fault is unknown as the core is too broken and friable.</p> <p>The upper and lower contacts of this unit are sharp at 25 and 70 degrees tca, respectively.</p> <p>Minor Interval: 210.9 - 213 MV, Mafic Volcanic MAFIC DYKE</p> <p>Very fine grained, homogenous, weakly foliated, non-magnetic, dark green mafic dyke composed primarily of chlorite and plagioclase (+-quartz, biotite). This unit is highly broken.</p> <p>The upper and lower contacts of this unit are sharp at 25 and 50 degrees tca, respectively.</p> <p>Minor Interval: 213 - 213.15 5, Undivided Metasediments FELSIC GNEISS - XENOLITH?</p> <p>Unit composed of plagioclase, quartz, garnet and chlorite; foliation angles of 45 degrees tca.</p> <p>Minor Interval: 238.07 - 239 5, Undivided Metasediments INTERMEDIATE GNEISS XENOLITH</p> <p>Well foliated, black to dark grey, fine grained, well mineralized gneissic xenolith composed of plagioclase, quartz, biotite and garnets. This unit contains 20% massive sulphides as veinlets and 'blebs' throughout; the massive sulphides have mm scale garnet (coticule) rims. The lower 20cm of this unit is highly broken core, sheared, along serpentine-chlorite slips (sheared lower contact - ~30 degrees tca).</p> <p>Mineralization 238.07 - 239.00 : Po Pyrrhotite, VN Veins, 15% 238.07 - 239.00 : Po Pyrrhotite, BB Blebby, 5%</p>							

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Units: METRIC

Detailed Lithology		Lithology	Assay Data						
From (m)	To (m)		Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
245.65	280.65	7, Undivided Mafic Intrusive INTERMIXED UNIT ~ 70% ORTHOGNEISS (DIORITE?), 30% PARAGNEISS Massive, dark grey-green, weakly magnetic, fine grained, heterogenous unit composed of varying amount of amphibole, pyroxene, plagioclase and biotite, with minor amounts of garnets. On the drill cut surface, the unit appears as a gabbro-norite although on the freshly broken surface, a sugary appearance occurs indicative of a gneiss. This unit contains 2-3% fine grained disseminated to patchy sulphides (pyrrhotite, pyrite) throughout, resembling magmatic sulphides rather than sedimentary or banded. Locally up to 10% sulphides. The lower contact of this unit is sharp at 40 degrees tca (along a pyrite-chalcopyrite slip) and based on the appearance of "typical" paragneissic affinities and textures. Mineralization 269.40 - 270.80 : Po Pyrrhotite, BB Blebby, 2% 269.40 - 270.80 : Py Pyrite, FG Fine Grained, 5% 256.20 - 256.91 : Po Pyrrhotite, FG Fine Grained, 10% 247.44 - 247.50 : Py Pyrite, MG Medium Grained, 20% 247.44 - 247.50 : Po Pyrrhotite, M Massive, 80% Structure 256.20 - 256.21 : F Fractured, 30 Deg to CA Friable core with pyrite cubes within gouge. MAJOR FAULT 260.10 - 261.80 : S Schistose, 30 Deg to CA BROKEN CORE. Sheared lower contact (serpentine-friable core) at 30 degrees tca RQD 246.00 - 249.00 : 50.00 % RQD 100.00 % Core 249.00 - 252.00 : 76.00 % RQD 100.00 % Core 252.00 - 255.00 : 87.00 % RQD 100.00 % Core 255.00 - 258.00 : 60.00 % RQD 100.00 % Core 258.00 - 261.00 : 38.00 % RQD 100.00 % Core 261.00 - 264.00 : 61.00 % RQD 100.00 % Core 264.00 - 267.00 : 43.00 % RQD 100.00 % Core 267.00 - 270.00 : 78.00 % RQD 100.00 % Core 270.00 - 273.00 : 64.00 % RQD 100.00 % Core 273.00 - 276.00 : 94.00 % RQD 100.00 % Core 276.00 - 279.00 : 86.00 % RQD 100.00 % Core 279.00 - 282.00 : 67.00 % RQD 100.00 % Core	PG04680	245.65	247.00	1.35	0.1300	0.4900	0.0100
			PG04681	247.00	248.50	1.50	0.1900	0.1600	0.0300
			PG04682	248.50	250.00	1.50	0.2600	0.6400	0.0300
			PG04683	250.00	251.00	1.00	0.1400	0.0700	0.0100
			PG04684	251.00	251.25	0.25	0.4400	3.4600	0.0300
			PG04685	251.25	252.00	0.75	0.0500	0.0250	0.0100
			PG04686	255.00	256.20	1.20	0.0700	0.0250	0.0100
			PG04687	256.20	256.91	0.71	0.4500	0.2100	0.0300
			PG04688	256.91	258.00	1.09	0.0250	0.0250	0.0100
			PG04689	260.50	261.00	0.50	0.1300	0.0800	0.0100
			PG04690	261.00	262.50	1.50	0.1500	0.1300	0.0100
			PG04691	262.50	263.40	0.90	0.2200	0.1700	0.0100
			PG04692	263.40	264.50	1.10	0.0600	0.0250	0.0100
			PG04693	268.50	269.40	0.90	0.1500	0.0800	0.0100
			PG04694	269.40	270.80	1.40	0.2000	0.1100	0.0100
			PG04695	270.80	271.50	0.70	0.0600	0.0250	0.0100

DETAILED LOG

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Units: METRIC

Detailed Lithology		Assay Data							
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
		MINOR INTERVALS: Minor Interval: 251.09 - 251.2 4, Anorthosite / Anorthosite Gabbro Plagioclase-rich veinlet with massive pyrrhotite along upper contact (at 40 degrees tca) and massive chalcopyrite along lower contact (at 30 degrees tca). Minor Interval: 263.8 - 265.15 4, Anorthosite / Anorthosite Gabbro Minor Interval: 274.15 - 275 4, Anorthosite / Anorthosite Gabbro							

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Units: METRIC

Detailed Lithology		Lithology	Assay Data						
From (m)	To (m)		Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
280.65	343.00	5, Undivided Metasediments INTERMEDIATE TO FELSIC GNEISS (PARAGNEISS)	PG04696	295.00	295.85	0.85	0.0250	0.0250	0.0100
		<p>Very fine to fine grained, dark grey-pink-green, weakly magnetic, heterogenous, well foliated gneiss (interpreted para-) composed of varying amounts of pyroxenes, amphiboles, biotite, chlorite and garnets within a quartzofeldspathic groundmass. Garnets appear as mm scale cotecule throughout the unit; thus helping to define foliation planes. Heterogeneity on a dm to m scale occurs throughout the horizon as more garnet-bearing, siliceous horizons occur with more amphibole-rich horizons.</p> <p>This unit contains remobilized massive sulphide veinlets between 295.85m and 298.80m. Sulphides appear as foliation parallel and subparallel veinlets, as well as flooded regions. Pyrrhotite is the dominant sulphide, although pyrite and chalcopyrite occur throughout as wisps and patches. Garnets occur as mm scale alteration haloes surrounding sulphides. Contacts are quite irregular.</p> <p>The lower contact of this unit is unknown as the hole was stopped.</p> <p>Mineralization</p> <p>297.30 - 298.80 : Cpy Chalcopyrite, FG Fine Grained, 2%</p> <p>297.30 - 298.80 : Py Pyrite, MG Medium Grained, 15%</p> <p>297.30 - 298.80 : Po Pyrrhotite, VN Veins, 50%</p> <p>295.85 - 296.40 : Cpy Chalcopyrite, FG Fine Grained, 3%</p> <p>295.85 - 296.40 : Py Pyrite, FG Fine Grained, 2%</p> <p>295.85 - 296.40 : Po Pyrrhotite, VN Veins, 45%</p> <p>Structure</p> <p>280.85 - 280.86 : G Gouge, 50 Deg to CA</p> <p>289.65 - 289.66 : G Gouge, 25 Deg to CA</p> <p>300.10 - 300.11 : G Gouge, 35 Deg to CA</p> <p>307.40 - 307.41 : G Gouge, 40 Deg to CA</p> <p>317.90 - 317.91 : G Gouge, 55 Deg to CA</p> <p>325.50 - 325.51 : G Gouge, 60 Deg to CA</p> <p>330.50 - 330.51 : G Gouge, 60 Deg to CA</p> <p>342.00 - 342.01 : G Gouge, 30 Deg to CA</p> <p>RQD</p> <p>282.00 - 285.00 : 77.00 % RQD 100.00 % Core</p> <p>285.00 - 288.00 : 50.00 % RQD 100.00 % Core</p> <p>288.00 - 291.00 : 70.00 % RQD 100.00 % Core</p> <p>291.00 - 294.00 : 77.00 % RQD 100.00 % Core</p> <p>294.00 - 297.00 : 82.00 % RQD 100.00 % Core</p> <p>297.00 - 300.00 : 62.00 % RQD 100.00 % Core</p> <p>300.00 - 303.00 : 78.00 % RQD 100.00 % Core</p> <p>303.00 - 306.00 : 64.00 % RQD 100.00 % Core</p> <p>306.00 - 309.00 : 67.00 % RQD 100.00 % Core</p>	PG04697	295.85	296.45	0.60	1.0700	0.4800	0.0600
			PG04698	296.45	297.30	0.85	0.1600	0.1200	0.0100
			PG04699	297.30	298.80	1.50	0.6900	0.4200	0.0300
			PG04701	298.80	299.50	0.70	0.0250	0.0250	0.0100

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Units: METRIC

Detailed Lithology		Assay Data							
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
		RQD							
		309.00 - 312.00 : 66.00 % RQD 100.00 % Core							
		312.00 - 315.00 : 67.00 % RQD 100.00 % Core							
		315.00 - 318.00 : 62.00 % RQD 100.00 % Core							
		318.00 - 321.00 : 73.00 % RQD 100.00 % Core							
		321.00 - 324.00 : 68.00 % RQD 100.00 % Core							
		324.00 - 327.00 : 93.00 % RQD 100.00 % Core							
		327.00 - 330.00 : 95.00 % RQD 100.00 % Core							
		330.00 - 333.00 : 85.00 % RQD 100.00 % Core							
		333.00 - 336.00 : 97.00 % RQD 100.00 % Core							
		336.00 - 339.00 : 86.00 % RQD 100.00 % Core							
		339.00 - 343.00 : 87.00 % RQD 100.00 % Core							

Samples

Sample Number	From (m)	To (m)	Ni%	Cu%	Co%
Sample Type	ASSAY				
PG04642	180.00	180.65	0.1600	0.0900	0.0100
PG04643	180.65	181.75	0.1800	0.1000	0.0200
PG04644	181.75	183.00	0.1400	0.0800	0.0100
PG04645	202.00	203.50	0.1900	0.1300	0.0100
PG04646	203.50	205.00	0.1700	0.1200	0.0100
PG04647	205.00	206.50	0.2300	0.1300	0.0100
PG04648	206.50	208.00	0.1900	0.1400	0.0100
PG04649	208.00	209.50	0.1500	0.1200	0.0100
PG04651	209.50	210.90	0.2200	0.2100	0.0300
PG04652	213.15	214.00	0.1600	0.1100	0.0100
PG04653	214.00	215.50	0.2200	0.1600	0.0200
PG04654	215.50	217.00	0.2000	0.2000	0.0100
PG04655	217.00	217.60	1.2500	0.8800	0.1000
PG04656	217.60	219.00	0.2000	0.1300	0.0200
PG04657	219.00	220.00	0.1900	0.2400	0.0100
PG04658	220.00	221.50	0.1300	0.0600	0.0100
PG04659	221.50	223.10	0.2200	0.6200	0.0300
PG04660	223.10	223.85	1.0200	0.9000	0.0500
PG04661	223.85	225.35	0.2600	0.1700	0.0200
PG04662	225.35	226.85	0.4100	0.5600	0.0300
PG04663	226.85	228.50	0.2300	0.2400	0.0200
PG04664	228.50	230.05	0.2200	0.2500	0.0200

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Units: METRIC

Samples

Sample Number	From (m)	To (m)	Ni%	Cu%	Co%
Sample Type	ASSAY				
PG04665	230.05	230.60	1.4300	0.2600	0.0900
PG04666	230.60	231.80	0.4300	0.2100	0.0300
PG04667	231.80	233.00	0.3100	0.1700	0.0200
PG04668	233.00	234.50	1.9200	0.6500	0.1300
PG04669	234.50	235.60	0.2200	0.1100	0.0100
PG04670	235.60	236.70	0.1400	0.1200	0.0100
PG04671	236.70	238.07	2.1600	0.7200	0.1200
PG04672	238.07	239.00	0.6300	0.4900	0.0300
PG04673	239.00	239.60	2.1700	0.2200	0.1100
PG04674	239.60	240.85	0.1600	0.1200	0.0100
PG04676	240.85	242.10	0.1900	0.1000	0.0100
PG04677	242.10	242.60	1.8900	0.0700	0.0900
PG04678	242.60	244.00	0.4400	0.6300	0.0300
PG04679	244.00	245.65	0.2000	0.1400	0.0200
PG04680	245.65	247.00	0.1300	0.4900	0.0100
PG04681	247.00	248.50	0.1900	0.1600	0.0300
PG04682	248.50	250.00	0.2600	0.6400	0.0300
PG04683	250.00	251.00	0.1400	0.0700	0.0100
PG04684	251.00	251.25	0.4400	3.4600	0.0300
PG04685	251.25	252.00	0.0500	0.0250	0.0100
PG04686	255.00	256.20	0.0700	0.0250	0.0100
PG04687	256.20	256.91	0.4500	0.2100	0.0300
PG04688	256.91	258.00	0.0250	0.0250	0.0100
PG04689	260.50	261.00	0.1300	0.0800	0.0100
PG04690	261.00	262.50	0.1500	0.1300	0.0100
PG04691	262.50	263.40	0.2200	0.1700	0.0100
PG04692	263.40	264.50	0.0600	0.0250	0.0100
PG04693	268.50	269.40	0.1500	0.0800	0.0100
PG04694	269.40	270.80	0.2000	0.1100	0.0100
PG04695	270.80	271.50	0.0600	0.0250	0.0100
PG04696	295.00	295.85	0.0250	0.0250	0.0100
PG04697	295.85	296.45	1.0700	0.4800	0.0600
PG04698	296.45	297.30	0.1600	0.1200	0.0100
PG04699	297.30	298.80	0.6900	0.4200	0.0300
PG04701	298.80	299.50	0.0250	0.0250	0.0100