

## DETAILED LOG

Hole Number: ES07-62

Units: METRIC

Project Name:	Norway - Espedalen	Primary Coordinates	Grid: UTM84-32N	Destination Coordinates	Grid: UTM:	Collar Dip:	-54.50
Project Number:	201	North:	6803833.58	North:	61.37	Collar Az:	37.70
Location:	Trona	East:	536588.43	East:	9.68	Length:	145.05 (m)
		Elev:	824.21	Elev:	824.21	Start Depth:	2.35 (m)
Date Started:	May 12, 2007	Collar Survey:	Y	Plugged:	N	Contractor:	Geo Drilling A/S
Date Completed:	May 14, 2007	Multishot Survey:	N	Hole Size:	TT46	Core Storage:	
Logged By:	cmnor/jdnor	Pulse EM Survey:	N	Casing:	Left in Hole	Final Depth:	147.40 (m)

Comments: Target: Hole designed to test surface UTEM conductor, 100m along strike from ES2005-35 (1.73% Ni, 0.29% Cu & 0.09% Co over 1.53m)

Results: A series of dark grey mineralized dykes? were intersected between 91.0 and 126.0m, varying from 1.0m to 0.18m in length. These mineralized zones carry from 15 to 20% diss/fracture-controlled/stringer Po and 1% to 2% diss/fracture-controlled Cpy.

Do these dykes? represent "Feeder Dykes"

## Sample Averages

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Detailed Lithology		Assay Data							
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
2.35	15.35	GAB, Gabbro	PG07159	4.90	5.40	0.50	0.0090	0.0070	0.0050
		GABBRO (ANORTHOSITIC GABBRO)	PG07161	5.40	5.80	0.40	0.0950	0.1290	0.0320
		Light grey, pale green to dark green	PG07162	5.80	6.30	0.50	0.0120	0.0100	0.0070
		Mottled, medium grained, fabric not well developed	PG07163	10.80	11.80	1.00	0.0170	0.0060	0.0050
		Fault gouge, and local faulting from 35-85 deg. often carb. serp filled	PG07164	11.80	12.30	0.50	0.0130	0.0025	0.0040
		Local mafic dykes with Po mineralization to 10%	PG07165	12.30	12.70	0.40	0.0430	0.0410	0.0260
		Feldspar rich with moderate to strong sercitic alteration	PG07166	12.70	13.20	0.50	0.0110	0.0060	0.0050
		Badly broken from 9.0m to 10.0m, and broken through out 13.20 to 15.30	PG07167	13.20	14.20	1.00	0.0140	0.0025	0.0040
		2.35 - 4.90 Light grey to dark grey							
		Poor fabric, very patchy							
		Feldspar rich ~70%							
		4.90 - 8.29 Pale green to dark green							
		Fine-med grained							
		Weak fabric							
		Structure							
		2.91 - 2.91 : Frct Fracture, 50 Deg to CA							
		carb-serp filled							
		4.41 - 4.41 : Frct Fracture, 55 Deg to CA							
		3mm carb-serp filled							
		4.59 - 4.59 : Frct Fracture, 70 Deg to CA							
		1mm carb-serp filled							
		4.67 - 4.67 : Frct Fracture, 85 Deg to CA							
		1mm carb-serp filled							
		4.90 - 4.90 : Frct Fracture, 80 Deg to CA							
		5mm carb-serp filled							
		5.91 - 5.91 : Frct Fracture, 35 Deg to CA							
		2mm carb-serp filled							
		7.09 - 7.09 : Frct Fracture, 55 Deg to CA							
		3mm carb-serp filled							
		7.88 - 7.88 : Frct Fracture, 55 Deg to CA							
		3mm carb-serp filled							
		7.98 - 7.98 : Frct Fracture, 45 Deg to CA							
		5mm carb-serp filled							
		8.02 - 8.02 : Frct Fracture, 50 Deg to CA							
		5mm carb-serp filled							
		8.20 - 8.20 : Frct Fracture, 45 Deg to CA							
		2mm carb-serp filled							
		8.70 - 8.70							
		9.95 - 9.95 : Frct Fracture, 85 Deg to CA							
		1mm carb-serp filled							
		11.40 - 11.40 : Frct Fracture, 35 Deg to CA							
		2mm carb-serp filled							

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Detailed Lithology		Assay Data							
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
		MINOR INTERVALS: Minor Interval: 8.29 - 8.69 MD, Mafic Dike Mafic Dyke Upper contact at 50 deg to CA. Pale to dark green. Bottom contact undetermined - fault gouge. Minor Interval: 9.1 - 10.3 MD, Mafic Dike Mafic Dyke Dark green to black and fine grained. Mineralization 9.55 - 9.62 : Cpy Chalcopyrite, TR Trace, 0.5% 9.55 - 9.62 : PO Pyrrhotite, DIS Disseminated, 5% Minor Interval: 10.7 - 11.35 MD, Mafic Dike Mafic Dyke Pale to dark green to black fine grained Minor Interval: 11.94 - 12.71 MD, Mafic Dike Mafic Dyke Dark green to black and fine grained. Upper Contact at 65 deg. and lower contact at 45 deg. Mineralization 12.34 - 12.70 : Cpy Chalcopyrite, TR Trace, 1% 12.34 - 12.70 : PO Pyrrhotite, BL Blebby, 7% Minor Interval: 13.35 - 13.75 MD, Mafic Dike Mafic Dyke Dark grey and fine grained.							

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Detailed Lithology		Assay Data							
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
15.35	26.98	UM, Ultramafic ULTRAMAFIC Very dark grey to black and fine grained. Relatively massive unit, strongly magnetic throughout Fractures throughout, often carb- serp filled varying from 35-60 deg to CA. Local minor brownish biotite? throughout unit Locas diss - patchy Po Moderately serpentinous.  @ 17.70 Fault zone @21.10 Fault zone @26.98 Sharp lower contact  Mineralization 21.35 - 21.48 diss to trace 20.21 - 20.32 20.21 - 20.32 : PO Pyrrhotite, BL Blebby, 3% Alteration 15.35 - 26.98 :SERP Serpentine, P Pervasive, M Moderate 21.00 - 22.40 :BIO Biotite, H Patchy, M Moderate 15% Structure 16.15 - 16.15 : Frct Fracture, 45 Deg to CA 1mm carb-serp filled 16.30 - 16.30 : Frct Fracture, 60 Deg to CA 1mm carb-serp filled 17.68 - 17.68 : Frct Fracture, 35 Deg to CA 1mm carb-serp filled 17.75 - 17.75 : Frct Fracture, 40 Deg to CA 2mm carb-serp filled							

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From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
26.98	42.20	GAB, Gabbro GABBRO (ANORTHOSITE) Very pale green, light grey to darker grey Medium grained Moderate fabric, mottled in some areas - relatively massive unit. Fractures throughout, often carb, serp filled Feldspar rich ~80% Sericitic throughout unit Unit is not mineralized  @35.59m Possible fault  Alteration 26.98 - 42.20 :Ser Sericite, P Pervasive, M Moderate  Structure 29.98 - 29.98 : Frct Fracture, 60 Deg to CA 2cm milky white qtz carb 31.72 - 31.72 : Frct Fracture, 45 Deg to CA 1mm carb-serp filled 34.78 - 34.78 : Frct Fracture, 40 Deg to CA 1-2cm milky white qtz carb-serp 38.95 - 38.95 : Frct Fracture, 55 Deg to CA 2mm carb-serp filled 39.96 - 39.96 : Frct Fracture, 75 Deg to CA 1mm carb-serp filled 41.43 - 41.43 : Frct Fracture, 65 Deg to CA 4mm carb-serp filled							

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Detailed Lithology		Lithology	Assay Data						
From (m)	To (m)		Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
42.20	67.82	GAB, Gabbro	PG07168	63.90	64.90	1.00	0.0060	0.0025	0.0030
		GABBRO	PG07169	64.90	65.40	0.50	0.0050	0.0025	0.0030
		Light grey, pale green to dark green and fine to course grained. moderate fabric. Relatively massive unit	PG07170	65.40	65.90	0.50	0.0110	0.0060	0.0050
		Fractures throughout Two sets: 1) 35-45 deg and 2) 50-65 deg. often carb. serp filled	PG07171	65.90	66.35	0.45	0.0080	0.0080	0.0050
		Mafic dyke? with Po mineralization. ~10% Po and 2-3% Cpy	PG07172	66.35	66.85	0.50	0.0160	0.0170	0.0060
		Feldspar rich, local minor, brownish-red garnets to 1cm	PG07173	66.85	67.35	0.50	0.0410	0.0380	0.0140
			PG07174	67.35	67.85	0.50	0.0830	0.0980	0.0260
		44.90 - 45.0 5-10% brownish-red garnets							
		@60.25 Fault zone							
		Mineralization							
		65.40 - 67.40 : Cpy Chalcopyrite, TR Trace, 1%							
		65.40 - 67.40 : PO Pyrrhotite, BL Blebby, 3%							
		Possibly remobilized							
		Structure							
		49.80 - 49.80 : Frct Fracture, 40 Deg to CA							
		2mm carb-serp filled							
		50.60 - 50.70 : Frct Fracture, 50 Deg to CA							
		Continuous fractures							
		54.75 - 54.93 : Frct Fracture, 65 Deg to CA							
		Continous fractures, carb-serp filled							
		63.55 - 63.55 : Frct Fracture, 45 Deg to CA							
		4mm carb-serp filled							
		66.00 - 66.00 : Frct Fracture, 30 Deg to CA							
		2mm carb-serp filled							
		MINOR INTERVALS:							
		Minor Interval:							
		67.4 - 67.82 MD, Mafic Dike							
		Mafic Dyke							
		Very dark green to black and fine grained.							
		~10-15% Po and 2-3% Cpy.							
		Mineralization							
		67.40 - 67.82 : Cpy Chalcopyrite, BL Blebby, 2%							
		67.40 - 67.82 : PO Pyrrhotite, BL Blebby, 12%							

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From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
67.82	74.15	GAB, Gabbro	PG07175	67.85	68.35	0.50	0.0100	0.0060	0.0050
		GABBRO (ANORTHOSITIC GABBRO?)	PG07176	68.35	68.85	0.50	0.0110	0.0060	0.0060
		Light grey to dark grey and fine to medium grained.	PG07177	68.85	69.35	0.50	0.0120	0.0080	0.0060
		Very mottled with moderate fabric	PG07178	69.35	69.85	0.50	0.0160	0.0160	0.0080
		Feldspar rich~80%	PG07179	69.85	70.85	1.00	0.0070	0.0025	0.0040
		Strongly sercitic.							
		Mineralization							
		67.82 - 69.95 : Cpy Chalcopyrite, DIS Disseminated, 1%							
		67.82 - 69.95 : PO Pyrrhotite, DIS Disseminated, 3%							
		73.38 - 73.42 : PO Pyrrhotite, TR Trace, 1%							
		Alteration							
		67.82 - 74.15 :Ser Sericite, MO Mottled, S Strong							
		Structure							
		68.55 - 68.55 : Frct Fracture, 40 Deg to CA							
		68.65 - 68.65 : FLT Fault, 65 Deg to CA							
		Local fractures							
		71.75 - 71.75 : Frct Fracture, 65 Deg to CA							
		1mm carb-serp filled							
		72.48 - 72.48 : Frct Fracture, 40 Deg to CA							
		1mm carb-serp filled							

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From (m)	To (m)		Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
74.15	89.26	<p>GAB, Gabbro  GABBRO  Grey, pale to dark green  very mottled, poor fabric  50% feldspar rich, 50% mafic material  Fractures throughout, often carb-serp filled  Strongly sercitic  Strongly magnetic from .40 to 3.22 in sections 74.15m to 80m  Badly broken core from 80.0 to 80.5 and 85.0 to 86.0. Broken throughout from 81.5 to 84.3  Very minor mineralization - Po  Fine grained brownish-red garnet?? throughout</p> <p>74.15 - 89.28 Grey, pale green to dark green  Very mottled  Feldspar rich ~50%  Strongly sercitic</p> <p>Mineralization  78.03 - 78.07 : PO Pyrrhotite, PAT Patchy, 2%  77.45 - 77.53 : PO Pyrrhotite, BL Blebby, 4%</p> <p>Alteration  74.15 - 89.26 :Ser Sericite, P Pervasive, M Moderate</p> <p>Structure  79.07 - 79.85 : F Fractured, 50 Deg to CA  Continuous fractures over 2-10cm, carb-serp filled  82.52 - 82.52 : F Fractured, 60 Deg to CA  carb-serp filled  87.60 - 87.60 : F Fractured, 40 Deg to CA  87.70 - 87.70 : F Fractured, 60 Deg to CA</p>							

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From (m)	To (m)		Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
89.26	116.10	ANOR, Anorthosite	PG07181	89.50	90.50	1.00	0.0110	0.0070	0.0030
		ANORTHOSITE	PG07182	90.50	91.00	0.50	0.0080	0.0025	0.0020
		Colour varies from light grey to very pale green with local dark green patches. May be an Anorthositic gabbro in part or completely?	PG07183	91.00	91.30	0.30	0.0550	0.0830	0.0150
		Fine grained and commonly fractured - particularly about dark grey to black mineralized dykes?	PG07184	91.30	91.60	0.30	0.0640	0.0580	0.0160
		Unit includes several dark grey to black mineralized sections that are fine grained and hard (silicified?) with 10% to 20% Po and 1% to 2% Cpy	PG07185	91.60	92.05	0.45	0.0650	0.0960	0.0180
		Feldspathic sections moderately to strongly sericitic.	PG07186	92.05	92.80	0.75	0.0120	0.0090	0.0030
		Feldspathic sections inbetween dark grey mineralized sections appear silicified, are fractured and can carry minor fracture - controlled Po and Cpy.	PG07187	92.80	93.45	0.65	0.0140	0.0090	0.0040
		Local patches of fine grained reddish-brown mineral - Garnet??? particularly at beginning of unit.	PG07188	93.45	94.00	0.55	0.0130	0.0150	0.0030
		Fractured/faulted - particularly towards end of unit.	PG07189	94.00	94.50	0.50	0.0600	0.0560	0.0140
		Weak fabric developed at 60 to 70 deg. to CA.	PG07190	94.50	94.90	0.40	0.0150	0.0190	0.0040
		89.26 - 89.39 Possible faulted contact between mottled gabbro and anorthosite.	PG07191	94.90	95.40	0.50	0.0150	0.0210	0.0040
		oriented at 50 to 60 deg. to CA.	PG07192	95.40	95.70	0.30	0.0630	0.0790	0.0180
		94.50 - 95.40 Medium to dark grey mixed gabbroic to anorthositic section. Mineralized with 1% to 2% diss. and fracture-controlled Po and Tr Cpy. Local fine pale pink mineral - garnet? Weakly foliated at 70 deg. to CA.	PG07193	95.70	96.00	0.30	0.0580	0.1380	0.0130
			PG07194	96.00	96.40	0.40	0.0560	0.0870	0.0150
			PG07195	96.40	96.95	0.55	0.0320	0.0340	0.0090
			PG07196	96.95	97.26	0.31	0.0620	0.0790	0.0120
			PG07197	97.26	97.52	0.26	0.0130	0.0300	0.0020
			PG07198	97.52	98.00	0.48	0.0720	0.1230	0.0160
			PG07199	98.00	98.50	0.50	0.0580	0.0580	0.0190
			PG07201	98.50	98.83	0.33	0.0180	0.0150	0.0040
			PG07202	98.83	99.15	0.32	0.0600	0.0610	0.0220
			PG07204	99.15	99.80	0.65	0.0170	0.0200	0.0040
		100.15 - 101.15 Mottled section - light cream colour/dark green, similar to mottled gabbro sections. Fractured throughout. Upper contact at 65 deg. - fracture and Lower contact at 60 deg. - fracture.	PG07205	99.80	100.80	1.00	0.0100	0.0100	0.0040
			PG07226	100.80	101.80	1.00	0.0090	0.0080	0.0030
			PG07227	101.80	102.50	0.70	0.0050	0.0025	0.0010
			PG07228	102.50	103.00	0.50	0.0120	0.0080	0.0050
			PG07229	103.00	104.00	1.00	0.0080	0.0025	0.0020
		108.52 - 108.80 Sheared zone at 10 to 15 deg. to CA. 3% to 5% Po and Tr Cpy - fracture-controlled along margin of large (5cm) feldspathic block.	PG07230	104.00	105.00	1.00	0.0110	0.0060	0.0030
			PG07231	105.00	106.00	1.00	0.0050	0.0025	0.0010
			PG07232	106.00	107.00	1.00	0.0060	0.0025	0.0020
		109.10 - 110.10 Medium to dark grey section - in part mottled. 15% to 20% fine dark green chloritic patches. Minor blebby Po.	PG07233	107.00	107.40	0.40	0.0040	0.0025	0.0010
			PG07234	107.40	107.90	0.50	0.0120	0.0170	0.0040
			PG07235	107.90	109.10	1.20	0.0050	0.0025	0.0010
		110.10 - 110.55 Fractured pale grey feldspathic mass with 5% to 7% coarse masses Po and 1% Cpy. Sulphides also finely fractured at 30 deg. to CA. Sulphides in part fracture-controlled.	PG07206	109.10	110.10	1.00	0.0130	0.0060	0.0030
			PG07207	110.10	110.55	0.45	0.0490	0.1880	0.0180
			PG07208	110.55	111.05	0.50	0.0080	0.0050	0.0020
			PG07209	111.05	112.00	0.95	0.0030	0.0025	0.0010
			PG07210	112.00	112.70	0.70	0.0100	0.0100	0.0040
		115.28 - 115.95 Mixed section with pale grey anorthositic blocks and mottled (dark green/cream coloured) gabbro. Mineralized with 5% to 10% diss/masses Po and Tr Cpy. Po also occurs smeared out on fracture surfaces.	PG07211	112.70	113.70	1.00	0.0060	0.0025	0.0020
			PG07212	113.70	114.18	0.48	0.0090	0.0025	0.0020
			PG07213	114.18	114.60	0.42	0.0630	0.0900	0.0140
			PG07214	114.60	115.00	0.40	0.0620	0.0820	0.0150
		Mineralization	PG07215	115.00	115.30	0.30	0.0660	0.0690	0.0140
		115.28 - 115.95 : PO Pyrrhotite, DIS Disseminated, 7%							

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		Mineralization	PG07216	115.30	115.65	0.35	0.0270	0.0180	0.0060
		110.10 - 110.55 : PO Pyrrhotite, BL Blebby, 5%	PG07217	115.65	116.00	0.35	0.0120	0.0100	0.0030
		108.52 - 108.80 : PO Pyrrhotite, F Fracture Controlled, 3%	PG07218	116.00	116.50	0.50	0.0040	0.0025	0.0020
		96.40 - 96.95 : PO Pyrrhotite, F Fracture Controlled, 2%							
		94.50 - 95.40 : PO Pyrrhotite, F Fracture Controlled, 1%							
		115.28 - 115.95							
		110.10 - 110.55 : Cpy Chalcopyrite, BL Blebby, 1%							
		108.52 - 108.80							
		97.26 - 97.52 : PO Pyrrhotite, F Fracture Controlled, 1%							
		94.50 - 95.40							
		89.58 - 89.69							
		89.58 - 89.69 : PO Pyrrhotite, DIS Disseminated, 2%							
		Alteration							
		89.26 - 116.10 : Ser Sericite, P Pervasive, M Moderate							
		Structure							
		89.28 - 89.39 : FLT Fault, 60 Deg to CA contact?							
		92.31 - 92.31 : Frct Fracture, 35 Deg to CA 1mm & carb-chl filled.							
		93.19 - 93.19 : Frct Fracture, 80 Deg to CA							
		93.35 - 93.35 : Frct Fracture, 85 Deg to CA carb-chl filled.							
		94.05 - 94.05 : Frct Fracture, 65 Deg to CA Po filled							
		99.22 - 99.22 : Frct Fracture, 50 Deg to CA							
		99.55 - 99.55 : Frct Fracture, 50 Deg to CA							
		100.06 - 100.06 : Frct Fracture, 65 Deg to CA							
		100.15 - 100.15 : Frct Fracture, 65 Deg to CA 1mm & carb-chl filled.							
		100.44 - 100.44 : Frct Fracture, 70 Deg to CA 2mm wide & carb-chl filled.							
		100.46 - 100.46 : Frct Fracture, 70 Deg to CA 3mm wide & carb-chl filled.							
		100.58 - 100.58 : Frct Fracture, 70 Deg to CA							
		102.23 - 102.23 : FLT Fault, 50 Deg to CA							
		102.85 - 102.93 : FLT Fault, 65 Deg to CA partially broken							
		106.51 - 106.51 : Frct Fracture, 35 Deg to CA chloritic							
		106.83 - 106.83 : Frct Fracture, 55 Deg to CA							
		107.22 - 107.22 : Frct Fracture, 50 Deg to CA shear?							
		113.17 - 113.20 : FLT Fault, 50 Deg to CA							
		113.25 - 113.40 : FLT Fault, 30 Deg to CA badly broken & carbonate filled.							

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		<p>Structure 114.07 - 114.10 : FLT Fault, 70 Deg to CA carbonate filled</p> <p>MINOR INTERVALS: Minor Interval: 91.07 - 92.03 DIA, Diabase Diabase (Mineralized Zone) Host unit appears diabasic - fine grained and hard, with local feldspar phenocrysts to 5mm. Carries 15% to 20% diss/blebby Po and 1% to 2% diss &amp; fracture - controlled Cpy. Upper contact at 60 deg. and lower contact at 70 deg. to CA - both sharp.</p> <p>Mineralization 91.07 - 92.03 : PO Pyrrhotite, BL Blebby, 15% 91.07 - 92.03 : Cpy Chalcopyrite, DIS Disseminated, 1%</p> <p>Minor Interval: 94.04 - 94.5 DIA, Diabase Diabase (Mineralized Zone) Dark grey to black mineralized section - similar to that described from 91.07 to 92.03m. Carries 15% to 20% diss/blebby/fracture-controlled Po and 1% to 2% fracture-controlled Cpy. Upper contact at 65 deg. and lower contact at 75 deg. ( with chloritic chill?)</p> <p>Mineralization 94.04 - 94.50 : PO Pyrrhotite, BL Blebby, 15% diss/blebby/fract.-controlled 94.04 - 94.50 : Cpy Chalcopyrite, F Fracture Controlled, 1%</p> <p>Minor Interval: 95.4 - 96.4 DIA, Diabase Diabase (Mineralized Zone) Medium to dark grey mineralized section. Carries 5% rounded to sub-rounded feldspathic fragments (wall-rock inclusions?) 15% to 20% diss/masses/fracture-controlled Po and 1% to 2% diss. Cpy</p> <p>Mineralization 95.40 - 96.40 : PO Pyrrhotite, BL Blebby, 15% 95.40 - 96.40 : Cpy Chalcopyrite, DIS Disseminated, 1%</p> <p>Minor Interval: 96.95 - 97.13 DIA, Diabase Diabase (Mineralized Zone) Dark grey mineralized Dyke? 15% to 20% diss/blebby Po and 1% diss. Cpy. 5% to 7% grey feldspathic fragments from 2mm to 4cm in diameter.</p> <p>Mineralization 96.95 - 97.13 : PO Pyrrhotite, BL Blebby, 15% 96.95 - 97.13 : Cpy Chalcopyrite, DIS Disseminated, 1%</p>							



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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%
116.10	136.40	GAB, Gabbro	PG07219	116.50	117.50	1.00	0.0040	0.0025	0.0030
		GABBRO (MOTTLED GABBRO)	PG07221	129.50	130.00	0.50	0.0350	0.0150	0.0090
		Medium to coarse grained mottled assemblage - dark green/pale green to white in colour.	PG07222	130.00	130.65	0.65	0.0120	0.0150	0.0060
		Unit appears sheared, which appears to be increasing down hole.	PG07223	130.65	131.05	0.40	0.0490	0.0130	0.0100
		Dark green component chlorite - after pyroxenes, makes up 50% to 70% of unit.	PG07224	131.05	131.75	0.70	0.0370	0.0300	0.0110
		Feldspathic phase weakly sericitic.	PG07225	131.75	132.25	0.50	0.0170	0.0140	0.0070
		Local fine grained mottled sections - dykes?							
		Minor pale brown to brownish-red fine grained mineral as patches and masses - garnet?							
		Fractured/faulted throughout.							
		119.48 - 120.12 Medium green, fine grained mottled gabbro - dyke? Contacts appear fracture - controlled.							
		128.00 - 128.25 Section with series of dark grey bands with diss/blebby Po. Overall 3% to 5% Po and Tr Cpy. 5% Ca - carbonate "gashes" or stringers associated with dark bands.							
		131.05 - 131.75 Medium green waxy section - strongly sericitic. 10% to 15% dark grey ribbons/bands - Po/Ca-carbonate bearing. Overall 2% to 3% very fine disseminated Po and Tr Cpy. 3% to 5% thin Ca-carbonate stringers.							
		131.75 - 134.15 Sheared, medium green waxy section - strongly sericitic. Shearing at 20 to 40 deg. to CA.							
		Mineralization							
		131.05 - 131.75 : PO Pyrrhotite, DIS Disseminated, 3% very fine grained							
		128.00 - 128.25 : PO Pyrrhotite, DIS Disseminated, 4%							
		131.05 - 131.75							
		128.00 - 128.25							
		Alteration							
		116.10 - 136.40 :CHL Chlorite, P Pervasive, M Moderate							
		116.10 - 136.40 :Ser Sericite, P Pervasive, M Moderate							
		Structure							
		116.65 - 116.65 : Frct Fracture, 75 Deg to CA chloritic							
		116.82 - 116.82 : Frct Fracture, 85 Deg to CA chloritic							
		117.36 - 117.36 : Frct Fracture, 80 Deg to CA chloritic margins							
		117.70 - 117.80 : Frct Fracture, 20 Deg to CA chloritic							
		121.04 - 121.04 : Frct Fracture, 50 Deg to CA chloritic							

Hole Number: ES07-62

Units: METRIC

Detailed Lithology		Assay Data							
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
		<p>Structure</p> <p>121.09 - 121.09 : Frct Fracture, 50 Deg to CA chloritic</p> <p>121.17 - 121.17 : Frct Fracture, 80 Deg to CA quartz filled</p> <p>MINOR INTERVALS:</p> <p>Minor Interval:</p> <p>130.65 - 131.05 MD, Mafic Dyke</p> <p>Sheared Mafic Dyke</p> <p>Upper contact sheared at 35 deg. to CA.</p> <p>Dark green to grey-green and fine grained.</p> <p>Carries 10% fine Ca-carbonate stringers throughout.</p> <p>Sheared at 30 to 35 deg. to CA.</p> <p>1% to 2% fine diss. Po and Tr Cpy</p> <p>Lower contact at 35 deg. to CA</p> <p>Mineralization</p> <p>130.65 - 131.05 : PO Pyrrhotite, DIS Disseminated, 1%</p> <p>130.65 - 131.05</p> <p>Alteration</p> <p>130.65 - 131.05 :CHL Chlorite, P Pervasive, M Moderate</p> <p>Structure</p> <p>130.65 - 130.65 : UC Upper Contact, 35 Deg to CA sheared</p> <p>131.05 - 131.05 : LC Lower Contact, 35 Deg to CA</p> <p>Minor Interval:</p> <p>134.15 - 134.77 MD, Mafic Dyke</p> <p>Sheared Mafic Dyke</p> <p>Upper contact at 30 deg. to CA</p> <p>Medium buff-green and fine grained</p> <p>Sheared at 30 to 35 deg. to CA.</p> <p>5% thin Ca-carbonate stringers and gashes.</p> <p>Strongly sericitic.</p> <p>2% to 3% medium green streaky mineral?</p> <p>1% disseminated Py</p> <p>Lower contact irregular, but at approx. 70 to 75 deg. to CA.</p> <p>Alteration</p> <p>134.15 - 134.77 :Ser Sericite, P Pervasive, S Strong</p> <p>Structure</p> <p>134.15 - 134.15 : UC Upper Contact, 30 Deg to CA</p> <p>134.77 - 134.77 : LC Lower Contact, 70 Deg to CA</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%
136.40	144.75	<p>MD, Mafic Dike</p> <p>MAFIC DYKE</p> <p>Upper contact at 45 to 50 deg. to CA.</p> <p>Medium to dark green and predominantly fine grained.</p> <p>Central portion more granular and med. grained - Ophitic texture developed.</p> <p>Strongly chloritic throughout.</p> <p>3% to 5% thin irregular Ca-carbonate stringers - distinctive.</p> <p>Local, but minor mottled gabbro inclusions.</p> <p>Lower contact at 40 deg. to CA - appears gradational.</p> <p>Alteration</p> <p>136.40 - 144.75 :CHL Chlorite, P Pervasive, S Strong</p> <p>Structure</p> <p>136.40 - 136.40 : UC Upper Contact, 45 Deg to CA somewhat irregular</p> <p>136.40 - 136.40 : LC Lower Contact, 40 Deg to CA appears gradational</p>							
144.75	147.40	<p>GAB, Gabbro</p> <p>GABBRO (MOTTLED GABBRO)</p> <p>Mixed unit composed of mottled gabbro (dark green/palegreen-cream coloured), fine buff-coloured patches and fine dark green chlorite.</p> <p>Locally brecciated - fault?</p> <p>Moderately to strongly chloritic - patchy.</p> <p>30 to 40% feldspathic component - weakly sericitic.</p> <p>Sheared?</p> <p>146.55 - 146.73 Grey breccia with rounded to sub-rounded feldspathic fragments in a pale grey-buff matrix.</p> <p>Minor chlorite filled fractures and gashes.</p> <p>147.00 End of Hole</p> <p>Alteration</p> <p>144.75 - 147.40 :CHL Chlorite, PCH Patchy, M Moderate</p> <p>MINOR INTERVALS:</p> <p>Minor Interval:</p> <p>146.81 - 147.4 MD, Mafic Dike</p> <p>Mafic Dyke</p> <p>Upper contact at 75 deg. to CA - sharp.</p> <p>Medium to dark green and fine grained.</p> <p>Strongly chloritic throughout.</p> <p>Finely mottled - ophitic section.</p> <p>Minor disseminated Po and Py.</p> <p>Alteration</p> <p>146.81 - 147.40 :CHL Chlorite, P Pervasive, S Strong</p> <p>Structure</p> <p>146.81 - 147.40 : UC Upper Contact, 75 Deg to CA sharp</p>							

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Units: METRIC

## Samples

Sample Number	From (m)	To (m)	Ni%	Cu%	Co%
Sample Type	ASSAY				
PG07159	4.90	5.40	0.0090	0.0070	0.0050
PG07161	5.40	5.80	0.0950	0.1290	0.0320
PG07162	5.80	6.30	0.0120	0.0100	0.0070
PG07163	10.80	11.80	0.0170	0.0060	0.0050
PG07164	11.80	12.30	0.0130	0.0025	0.0040
PG07165	12.30	12.70	0.0430	0.0410	0.0260
PG07166	12.70	13.20	0.0110	0.0060	0.0050
PG07167	13.20	14.20	0.0140	0.0025	0.0040
PG07168	63.90	64.90	0.0060	0.0025	0.0030
PG07169	64.90	65.40	0.0050	0.0025	0.0030
PG07170	65.40	65.90	0.0110	0.0060	0.0050
PG07171	65.90	66.35	0.0080	0.0080	0.0050
PG07172	66.35	66.85	0.0160	0.0170	0.0060
PG07173	66.85	67.35	0.0410	0.0380	0.0140
PG07174	67.35	67.85	0.0830	0.0980	0.0260
PG07175	67.85	68.35	0.0100	0.0060	0.0050
PG07176	68.35	68.85	0.0110	0.0060	0.0060
PG07177	68.85	69.35	0.0120	0.0080	0.0060
PG07178	69.35	69.85	0.0160	0.0160	0.0080
PG07179	69.85	70.85	0.0070	0.0025	0.0040
PG07181	89.50	90.50	0.0110	0.0070	0.0030
PG07182	90.50	91.00	0.0080	0.0025	0.0020
PG07183	91.00	91.30	0.0550	0.0830	0.0150
PG07184	91.30	91.60	0.0640	0.0580	0.0160
PG07185	91.60	92.05	0.0650	0.0960	0.0180
PG07186	92.05	92.80	0.0120	0.0090	0.0030
PG07187	92.80	93.45	0.0140	0.0090	0.0040
PG07188	93.45	94.00	0.0130	0.0150	0.0030
PG07189	94.00	94.50	0.0600	0.0560	0.0140
PG07190	94.50	94.90	0.0150	0.0190	0.0040
PG07191	94.90	95.40	0.0150	0.0210	0.0040
PG07192	95.40	95.70	0.0630	0.0790	0.0180
PG07193	95.70	96.00	0.0580	0.1380	0.0130
PG07194	96.00	96.40	0.0560	0.0870	0.0150
PG07195	96.40	96.95	0.0320	0.0340	0.0090
PG07196	96.95	97.26	0.0620	0.0790	0.0120
PG07197	97.26	97.52	0.0130	0.0300	0.0020

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Units: METRIC

## Samples

Sample Number	From (m)	To (m)	Ni%	Cu%	Co%
Sample Type	ASSAY				
PG07198	97.52	98.00	0.0720	0.1230	0.0160
PG07199	98.00	98.50	0.0580	0.0580	0.0190
PG07201	98.50	98.83	0.0180	0.0150	0.0040
PG07202	98.83	99.15	0.0600	0.0610	0.0220
PG07204	99.15	99.80	0.0170	0.0200	0.0040
PG07205	99.80	100.80	0.0100	0.0100	0.0040
PG07226	100.80	101.80	0.0090	0.0080	0.0030
PG07227	101.80	102.50	0.0050	0.0025	0.0010
PG07228	102.50	103.00	0.0120	0.0080	0.0050
PG07229	103.00	104.00	0.0080	0.0025	0.0020
PG07230	104.00	105.00	0.0110	0.0060	0.0030
PG07231	105.00	106.00	0.0050	0.0025	0.0010
PG07232	106.00	107.00	0.0060	0.0025	0.0020
PG07233	107.00	107.40	0.0040	0.0025	0.0010
PG07234	107.40	107.90	0.0120	0.0170	0.0040
PG07235	107.90	109.10	0.0050	0.0025	0.0010
PG07206	109.10	110.10	0.0130	0.0060	0.0030
PG07207	110.10	110.55	0.0490	0.1880	0.0180
PG07208	110.55	111.05	0.0080	0.0050	0.0020
PG07209	111.05	112.00	0.0030	0.0025	0.0010
PG07210	112.00	112.70	0.0100	0.0100	0.0040
PG07211	112.70	113.70	0.0060	0.0025	0.0020
PG07212	113.70	114.18	0.0090	0.0025	0.0020
PG07213	114.18	114.60	0.0630	0.0900	0.0140
PG07214	114.60	115.00	0.0620	0.0820	0.0150
PG07215	115.00	115.30	0.0660	0.0690	0.0140
PG07216	115.30	115.65	0.0270	0.0180	0.0060
PG07217	115.65	116.00	0.0120	0.0100	0.0030
PG07218	116.00	116.50	0.0040	0.0025	0.0020
PG07219	116.50	117.50	0.0040	0.0025	0.0030
PG07221	129.50	130.00	0.0350	0.0150	0.0090
PG07222	130.00	130.65	0.0120	0.0150	0.0060
PG07223	130.65	131.05	0.0490	0.0130	0.0100
PG07224	131.05	131.75	0.0370	0.0300	0.0110
PG07225	131.75	132.25	0.0170	0.0140	0.0070