

Hole Number: ER2007-30

Units: METRIC

Project Name:	Norway - South Norway	Primary Coordinates	Grid: UTM84-32N	Destination Coordinates	Grid: UTM:	Collar Dip:	-49.00
Project Number:	203	North:	6659846.25	North:	60.07	Collar Az:	309.10
Location:	Ertelia	East:	557761.29	East:	10.04	Length:	176.50 (m)
		Elev:	208.93	Elev:	208.93	Start Depth:	0.00 (m)
Date Started:	Jan 21, 2007	Collar Survey:	N	Plugged:	N	Contractor:	Drillcon Core AB
Date Completed:	Jan 23, 2007	Multishot Survey:	N	Hole Size:	WL-56/39	Core Storage:	
Logged By:	CC/JDW	Pulse EM Survey:	N	Casing:	Left in Hole, capped.	Final Depth:	176.50 (m)

Comments:

Sample Averages

Average Type	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
WEIGHTED	19.19	20.86	1.67	0.7401	0.1296	0.3161

Detailed Lithology		Assay Data							
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
0	2.30	O/B, Overburden Overburden Casing pused to 3.70m							

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Detailed Lithology		Assay Data							
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
2.30	55.63	GAB, Gabbro	PG04949	16.00	17.00	1.00	0.0160	0.0025	0.0030
		Gabbronorite	PG04950	17.00	17.50	0.50	0.0120	0.0070	0.0020
		Unit is light to dark grey/green, weakly to moderately magnetic (avg. 4 on mag sus from 23-40 m depth) and non conductive to locally strongly conductive from 20.56 to 20.86 m due to sulphide mineralization (see mineralization section). Overall non mineralized except from 18.5 to 21.5 meters depth where Po 0.5-1.0%, Py 1-10%, and chalco 0.5-2.0% observed as remobilized sulphide along fault/ alteration zone.	PG04951	17.50	18.00	0.50	0.0580	0.0490	0.0050
		Majority of unit consists of fine to medium grained mottled textured chlorite, plagioclase, (labradorite?), amphiboles, biotite and pyroxenes. Lower contact with pegmatite is sharp and distinct contact alteration begins at 54.00m defined by onset of increased mica content (up to 30%) and strong foliation 40 DTCA.	PG04952	18.00	18.51	0.51	0.0360	0.0900	0.0040
		Mineralization	PG04953	18.51	19.19	0.68	0.1650	0.4650	0.0430
		23.00 - 24.50	PG04954	19.19	20.00	0.81	1.3220	0.0240	0.6130
		trace sulphides wing	PG04955	20.00	20.56	0.56	0.0510	0.1430	0.0100
		20.86 - 23.00	PG04956	20.56	20.86	0.30	0.4550	0.3900	0.0860
		trace sulphides	PG04957	20.86	21.50	0.64	0.0140	0.0025	0.0010
		20.56 - 20.86	PG04958	21.50	22.50	1.00	0.0170	0.0025	0.0020
		10 % PY, 2% CPY, 1% PO	PG04959	22.50	23.00	0.50	0.0210	0.0025	0.0030
		20.00 - 20.56	PG04960	23.00	23.50	0.50	0.0100	0.0060	0.0030
		1-2% PY	PG04961	23.50	24.50	1.00	0.0130	0.0060	0.0040
		19.19 - 20.00							
		trace							
		18.57 - 19.19							
		1-2% PY, 0.5-1.0% CPY							
		18.00 - 18.57							
		1% PO PY							
		17.50 - 18.00							
		1-2% PO PY							
		16.00 - 17.50							
		wing							
		MINOR INTERVALS:							
		Minor Interval:							
		2.3 - 12.3 PEG, Pegmatite (alteration zone)							
		Unit is distinctly lighter colored than gabbro norite and consists mainly of quartz (80%) and altered green-yellow feldspars (20%). has a "pseudo brecciated as appearance as feldspars locally form sharp rectangular laths. Unit is mineralized with Po/Py/Chal that appears to be remobilized stringer to blebby sulphide.							

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Detailed Lithology		Lithology	Assay Data						
From (m)	To (m)		Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
55.63	64.88	PEG, Pegmatite Pegmatite Dyke Upper contact partially broken - but sheared at 45 deg. to CA White to pale grey coarse quartz and feldspar Moderately fractured - filled by coarse muscovite and biotite Local fine pale green sericite?, mixed with muscovite - alteration of feldspars. Fracturing at 20 deg. and 40 deg. to CA, perpendicular to each other. Lower contact at 35 to 45 deg. to CA							

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Detailed Lithology		Assay Data							
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
64.88	157.30	GAB, Gabbro	PG04962	116.00	117.00	1.00	0.0180	0.0170	0.0030
		Gabbronorite	PG04963	117.00	118.00	1.00	0.0880	0.0910	0.0090
		Medium to dark grey-green and medium grained.	PG04964	118.00	118.60	0.60	0.0410	0.0420	0.0050
		Local sections mottled a dark green/medium grey - usually coarse grained.	PG04965	118.60	119.70	1.10	0.0350	0.0240	0.0040
		Minor serpentine filled fractures/faults throughout.	PG04966	119.70	120.70	1.00	0.0610	0.0660	0.0060
		Local zones of disseminated/blebby sulphides - Po/Cpy	PG04967	120.70	121.90	1.20	0.0730	0.0640	0.0070
		64.88 - 65.90 Altered margin to pegmatite dyke	PG04968	121.90	122.50	0.60	0.1930	0.1080	0.0130
		A mixed dark green-medium grey-silvery brown and coarse grained	PG04969	122.50	123.50	1.00	0.0850	0.0620	0.0060
		A chlorite - plagioclase - muscovite assemblage.	PG04971	133.20	134.50	1.30	0.0450	0.0630	0.0060
		75.68 - 76.00 Broken core - garnet bearing.	PG04972	134.50	135.50	1.00	0.0520	0.0750	0.0070
			PG04973	135.50	135.90	0.40	0.1750	0.2360	0.0170
			PG04974	135.90	137.40	1.50	0.0290	0.0460	0.0040
		83.10 - 83.70 Section with 5 to 10% fine dark mauve patches - composed of garnet, magnetite and minor fracture controlled Po and Py.	PG04975	137.40	138.80	1.40	0.0620	0.0560	0.0060
			PG04976	138.80	139.20	0.40	0.5870	0.4440	0.0550
		86.62 - 86.81 Mafic Dyke	PG04977	139.20	139.95	0.75	0.0230	0.0260	0.0040
		Upper contact marked by 20mm carb filled fault at 70 deg. to CA	PG04978	139.95	140.95	1.00	0.0690	0.0860	0.0080
		Lower contact at 50 deg. to CA.	PG04979	140.95	142.00	1.05	0.0680	0.0810	0.0070
		Dark grey-green, fine grained and massive	PG04980	142.00	143.20	1.20	0.0740	0.0770	0.0080
		Local garnets to 0.5cm	PG04981	143.20	144.40	1.20	0.0170	0.0290	0.0030
		86.81 - 102.10 Predominantly a coarse grained mottled dark green/medium grey section.	PG04982	144.40	145.00	0.60	0.0440	0.0340	0.0050
		Minor thin carbonate - serpentine filled fractures/faults.							
		88.15 - 88.30 Badly broken core.							
		102.10 - 115.90 Coarse grained section - still mottled a dark green/medium grey colour.							
		Feldspars have a deep mauve tint - very fine garnet? or silicification?							
		2 to 3% coarse purple bronzite crystals							
		Very minor fracture controlled Py							
		115.90 - 117.20 Partially broken grey - green section with 5% fine masses biotite.							
		Local, minor blebby Py at beginning of section.							
		Fine masses of dark mauve coloured garnet with minor fine Po occurs towards end of section.							
		122.00 - 122.18 Dark green, strongly chloritic and partially silicified zone adjacent to pegmatite dyke							
		Carries 7 to 10% fine masses Py							
		122.18 - 122.31 Pegmatite Dyke							
		Upper contact faulted at 40 deg. to CA and Lower contact broken							
		Pale green and strongly fractured.							
		122.31 - 131.55 Dark grey-green section with 1% blebby Po - patchy distribution.							

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From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
		Local fine fracture controlled Py and/or Po Section often has a dark mauve tint - due to fine garnet?							
		132.78 - 132.89 Quartz Vein Both contacts faulted at 60 deg. - serpentine fault gouge							
		133.85 - 135.55 Dark grey to dark green hloritic gabbroonorite 2% to 3% blebby & disseminated Po and minor exsolved Cpy							
		137.00 - 138.80 Dark grey-green and fine to medium grained gabbroonorite 5% thin altered pegmatite dykes 2% to 3% blebby and fracture controlled Po and minor exsolved Cpy							
		140.95 - 144.80 Fine dark grey gabbroonorite Dark pink garnet patches and bands with blebby Po and Cpy Overall 1% to 2% blebby and disseminated Po and 1% Cpy							
		144.80 - 157.30 Dark grey to grey-mauve, fine grained gabbroonorite Overall massive Minor patchy blebby Po							
		@ 157.30 Contact with mafic gneiss subtle - but appears to be marked by distinct garnet bands at 70 deg.							
		Mineralization							
		140.95 - 144.80 : Cpy Chalcopyrite, BL Blebby, 1%							
		140.95 - 144.80 : PO Pyrrhotite, BL Blebby, 2%							
		139.20 - 140.95							
		139.20 - 140.95 : PO Pyrrhotite, DIS Disseminated, 1%							
		138.80 - 139.20 : Cpy Chalcopyrite, FG Fine Grained, 2%							
		138.80 - 139.20 : PO Pyrrhotite, CG Coarse Grained, 20%							
		137.00 - 138.80							
		137.00 - 138.80 : PO Pyrrhotite, BL Blebby, 2%							
		135.90 - 137.00							
		135.90 - 137.00 : PO Pyrrhotite, BL Blebby, 1%							
		135.55 - 135.90 : Cpy Chalcopyrite, FG Fine Grained, 1%							
		135.55 - 135.90 : PO Pyrrhotite, FG Fine Grained, 12%							
		133.85 - 135.55							
		133.85 - 135.55 : PO Pyrrhotite, BL Blebby, 3%							
		122.31 - 131.55 : PO Pyrrhotite, BL Blebby, 1%							
		122.00 - 122.18 : PY Pyrite, FG Fine Grained, 8%							
		119.30 - 122.00							
		119.30 - 122.00 : PO Pyrrhotite, BL Blebby, 3%							
		118.00 - 119.30							
		118.00 - 119.30							
		118.00 - 119.30 : PO Pyrrhotite, BL Blebby, 2%							
		117.20 - 118.00							
		117.20 - 118.00 : PO Pyrrhotite, BL Blebby, 2%							

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From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
		Structure							
		68.76 - 68.76 : FLT Fault, 50 Deg to CA minor zone of fault gouge.							
		73.62 - 73.82 : FLT Fault, 30 Deg to CA 15 to 20mm chl-carb-Py filled							
		75.00 - 75.06 : FLT Fault, 30 Deg to CA 5mm serpentine filled fault							
		85.80 - 85.85 : FLT Fault, 50 Deg to CA 15mm, broken and chlorite filled							
		86.11 - 86.17 : Frct Fracture, 40 Deg to CA broken and chlorite filled							
		87.38 - 87.38 : Frct Fracture, 40 Deg to CA 3mm carb-serp filled							
		87.94 - 87.94 : Frct Fracture, 60 Deg to CA 3 to 5mm wide and carb-serp filled							
		89.35 - 89.35 : FLT Fault, 40 Deg to CA a 5mm chl-carb filled fault zone							
		92.26 - 92.33 : FLT Fault, 30 Deg to CA 5 to 7mm carb-chl filled fault zone							
		101.96 - 102.02 : FLT Fault, 30 Deg to CA a 5mm carb-chl filled fault zone							
		102.15 - 102.15 : FLT Fault, 20 Deg to CA broken zone							
		104.30 - 105.05 : Frct Fracture, 5 Deg to CA flat, partially broken and chloritic							
		116.38 - 116.44 : FLT Fault, 25 Deg to CA 2 to 3mm and carb-chl filled							
		134.18 - 134.26 : Frct Fracture, 25 Deg to CA 5 to 10mm chl-carb filled							
		148.48 - 148.58 : FLT Fault, 20 Deg to CA 10 to 12mm serp-carb filled							
		149.78 - 149.82 : FLT Fault, 40 Deg to CA 5mm serp-carb filled							

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From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
		<p>MINOR INTERVALS: Minor Interval: 80.27 - 81.5 MD, Mafic Dyke Mafic Dyke Upper contact at approximately 70 deg. to CA Dark grey - green, fine grained and weakly fractured. 10% to 15% thin siliceous sweats or bands at 55 deg. to CA A fine grained amphibole-plagioclase assemblage Very minor fine disseminated Py Altered chl (amphibole?) - garnet margins to 15cm. Lower marked by 17cm pegmatite dyke at 35 to 45 deg. to CA. Structure 80.27 - 80.27 : UC Upper Contact, 70 Deg to CA 81.50 - 81.50 : LC Lower Contact, 40 Deg to CA</p>							
157.30	176.50	<p>5, Undivided Metasediments Garnet Amphibole Gneiss (Mafic Gneiss) Pale orange to dark green and fine to medium grained Gneissosity (banding) initially at 60 to 70 deg. to CA Garnet content varies, but appears to be decreasing down hole. Local patches of disseminated Py - overall minor.</p> <p>157.30 - 158.90 Dark green amphibole rich section with 105 to 20% dark pink garnet bands. Partially broken</p> <p>170.15 - 176.50 A mixed section - dark green amphibole rich zones mixed with white siliceous gneiss 5% to 7% garnets throughout.</p> <p>176.50 End of Hole Structure 161.00 - 161.00 : GN Gneissic, 60 Deg to CA 167.80 - 167.80 : GN Gneissic, 45 Deg to CA 175.05 - 175.05 : GN Gneissic, 25 Deg to CA 176.30 - 176.30 : GN Gneissic, 45 Deg to CA</p>							

Samples

Sample Number	From (m)	To (m)	Ni%	Cu%	Co%
Sample Type	ASSAY				
PG04949	16.00	17.00	0.0160	0.0025	0.0030
PG04950	17.00	17.50	0.0120	0.0070	0.0020
PG04951	17.50	18.00	0.0580	0.0490	0.0050

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Samples

Sample Number	From (m)	To (m)	Ni%	Cu%	Co%
Sample Type	ASSAY				
PG04952	18.00	18.51	0.0360	0.0900	0.0040
PG04953	18.51	19.19	0.1650	0.4650	0.0430
PG04954	19.19	20.00	1.3220	0.0240	0.6130
PG04955	20.00	20.56	0.0510	0.1430	0.0100
PG04956	20.56	20.86	0.4550	0.3900	0.0860
PG04957	20.86	21.50	0.0140	0.0025	0.0010
PG04958	21.50	22.50	0.0170	0.0025	0.0020
PG04959	22.50	23.00	0.0210	0.0025	0.0030
PG04960	23.00	23.50	0.0100	0.0060	0.0030
PG04961	23.50	24.50	0.0130	0.0060	0.0040
PG04962	116.00	117.00	0.0180	0.0170	0.0030
PG04963	117.00	118.00	0.0880	0.0910	0.0090
PG04964	118.00	118.60	0.0410	0.0420	0.0050
PG04965	118.60	119.70	0.0350	0.0240	0.0040
PG04966	119.70	120.70	0.0610	0.0660	0.0060
PG04967	120.70	121.90	0.0730	0.0640	0.0070
PG04968	121.90	122.50	0.1930	0.1080	0.0130
PG04969	122.50	123.50	0.0850	0.0620	0.0060
PG04971	133.20	134.50	0.0450	0.0630	0.0060
PG04972	134.50	135.50	0.0520	0.0750	0.0070
PG04973	135.50	135.90	0.1750	0.2360	0.0170
PG04974	135.90	137.40	0.0290	0.0460	0.0040
PG04975	137.40	138.80	0.0620	0.0560	0.0060
PG04976	138.80	139.20	0.5870	0.4440	0.0550
PG04977	139.20	139.95	0.0230	0.0260	0.0040
PG04978	139.95	140.95	0.0690	0.0860	0.0080
PG04979	140.95	142.00	0.0680	0.0810	0.0070
PG04980	142.00	143.20	0.0740	0.0770	0.0080
PG04981	143.20	144.40	0.0170	0.0290	0.0030
PG04982	144.40	145.00	0.0440	0.0340	0.0050