

DETAILED LOG

Hole Number: ER08-58

Units: METRIC

Project Name: Norway - South Norway	Primary Coordinates Grid: UTM84-32N	Destination Coordinates Grid: UTM:	Collar Dip: -84.70
Project Number: 203	North: 6659507.52	North: 60.07	Collar Az: 236.90
Location: Surface	East: 558132.53	East: 10.04	Length: 222.01 (m)
	Elev: 163.62	Elev: 163.62	Start Depth: 0.00 (m)
Date Started: Mar 29, 2008	Collar Survey: N	Plugged: N	Contractor: Drillcon Core AB
Date Completed: Apr 03, 2008	Multishot Survey: N	Hole Size: NQ	Core Storage: Tyrstrand
Logged By: klnor	Pulse EM Survey: N	Casing: Left in Hole	Final Depth: 222.01 (m)

Comments: Testing Gabbro - Footwall contact on Section 15+00N below Hole ER07-39 that intersected significant Ni mineralization.

RESULTS:

86.0 - 88.50m up to 20% Po > Cpy >> Py as blebby disseminations and coarse "chunks".

95.22 - 95.62m >50% massive sulphide vein, Po > Cpy. Minor black mafic inclusions throughout.

98.38 - 98.78m > 35% semi-massive and massive sulphide vein, Po > Cpy. Minor black mafic inclusions throughout.

Sample Averages

Survey Data

Depth (m)	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments	Depth (m)	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
10.00		-84.70	EZ	OK		25.00	234.80	-84.90	EZ	OK	
50.00	230.40	-84.90	EZ	OK		100.00	234.60	-84.70	EZ	OK	
150.00	222.30	-84.60	EZ	OK		210.00	220.50	-84.40	EZ	OK	

Detailed Lithology		Assay Data							
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
0	1.55	CAS, Casing							

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Detailed Lithology		Lithology	Assay Data						
From (m)	To (m)		Sample Number	From (m)	To (m)	Length (m)	NI%	Cu%	Co%
1.55	30.22	GNOR, Gabbro Norite dark grey-green in colour, medium grained, hydidiomorphic granular texture, generally competent core with local fractured sections, minor sulphides. Texture 1.55 - 30.22 : HYPD Hypidiomorphic Structure 11.45 - 11.60 FAULT GOUGE 17.35 - 17.70 strongly fractured core 18.45 - 19.00 strongly fractured core 26.50 - 26.90 brecciated core and weak Po mineralization MINOR INTERVALS: Minor Interval: 21.09 - 21.27 PEG, Pegmatite pegmatitized quartz vein, 10% included subhedral mafic fragments, upper contact trends 60 deg. to the LCA, broken lower contact, nil sulphides.							
30.22	37.00	FGN, Felsic Gneiss FGN wedge in GNOR. grey in colour, fine to medium grained, homogenous, +70% feldspar and quartz, competent core core, nil sulphides. broken upper contact at 65 deg to the LCA, faint lower contact at 10 deg. to the LCA. Alteration 30.80 - 30.87 :Carb Carbonate, V Vein, S Strong 30.80 - 30.87 :SERP Serpentine, V Vein, M Moderate serpentinite- carbonate altered shear band							

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Detailed Lithology		Lithology	Assay Data						
From (m)	To (m)		Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
37.00	86.00	GNOR, Gabbro Norite dark grey in colour, medium grained, hypidiomorphic texture, occassional coarse, blebby Po clots / grains, competent core. from 48 to 49.77m blebby Po +/- Cpy up to 5%. gradational increase in sulphide content below 73.0m to 86.0m - 2-7% Po > Cpy > Py. Structure 64.50 - 64.55 FAULT GOUGE MINOR INTERVALS: Minor Interval: 47.07 - 47.39 MD, Mafic Dike grey in colour, fine grained, well foliated at 20 deg to the LCA, upper contact trends 75 deg to the LCA, broken lower contact, nil sulphides Minor Interval: 49.77 - 50.2 MD, Mafic Dike similar to unit above from 47.07 - 47.39m although finer grained. distinct upper contact at 50 deg to the LCA, lower contact at 60 deg. to the LCA - fine grit along the fracture face of broken lower contact, nil sulphides. Minor Interval: 58.21 - 60 MD, Mafic Dike similar to units above, faint foliation at 62 deg to the LCA., competent core, nil sulphides upper contact at 90 deg to the LCA, broken lower contact.	BL02203	74.00	75.00	1.00	0.0120	0.0025	0.0020
			BL02204	75.00	76.00	1.00	0.0290	0.0170	0.0030
			BL02205	76.00	76.50	0.50	0.1480	0.1190	0.0110
			BL02206	76.50	77.00	0.50	0.1270	0.1130	0.0100
			BL02207	77.00	77.50	0.50	0.1640	0.1940	0.0150
			BL02208	77.50	78.20	0.70	0.0470	0.0450	0.0040
			BL02209	78.20	78.70	0.50	0.1460	0.1220	0.0120
			BL02210	78.70	79.30	0.60	0.1500	0.1070	0.0110
			BL02211	79.30	80.00	0.70	0.1390	0.1760	0.0120
			BL02212	80.00	81.00	1.00	0.0720	0.0590	0.0060
			BL02213	81.00	81.50	0.50	0.1360	0.0910	0.0100
			BL02214	81.50	82.00	0.50	0.1360	0.1290	0.0110
			BL02215	82.00	82.50	0.50	0.2160	0.3600	0.0300
			BL02216	82.50	83.00	0.50	0.2430	0.2510	0.0290
			BL02217	83.00	83.50	0.50	0.2170	0.1400	0.0180
			BL02218	83.50	84.00	0.50	0.2070	0.1520	0.0170
			BL02219	84.00	84.50	0.50	0.2260	0.2680	0.0200
			BL02221	84.50	85.00	0.50	0.1210	0.0890	0.0100
			BL02222	85.00	85.50	0.50	0.1880	0.1570	0.0160
			BL02223	85.50	86.00	0.50	0.3380	0.4150	0.0340
86.00	88.50	SULF, Sulfide 15 to 20% coarse chunky and blebby Po with subordinate Cpy and minor Py.	BL02224	86.00	86.50	0.50	0.4350	1.0410	0.0720
			BL02225	86.50	87.00	0.50	0.5640	0.7070	0.0540
			BL02226	87.00	87.50	0.50	0.5630	0.3630	0.0440
			BL02227	87.50	88.00	0.50	0.1950	0.1790	0.0160
			BL02228	88.00	88.50	0.50	0.1530	0.3460	0.0190
88.50	95.22	GNOR, Gabbro Norite weakly sulphidized GNOR. Po predominates with assessorry Cpy and Py as flecks, blebs and fine disseminations. Structure 91.00 - 91.67 strongly fractured core	BL02229	88.50	89.00	0.50	0.0850	0.0870	0.0070
			BL02230	89.00	89.50	0.50	0.0310	0.0210	0.0020
			BL02231	89.50	90.00	0.50	0.0710	0.2940	0.0140
			BL02232	90.00	90.50	0.50	0.1270	0.0880	0.0100
			BL02233	90.50	91.00	0.50	0.0500	0.0330	0.0050
			BL02234	91.00	92.00	1.00	0.0630	0.0550	0.0060
			BL02235	92.00	93.00	1.00	0.0360	0.0340	0.0040
			BL02236	93.00	94.00	1.00	0.0650	0.0570	0.0060
			BL02237	94.00	95.20	1.20	0.0520	0.1720	0.0050
			BL02238	95.20	95.65	0.45	1.6310	1.1100	0.2120

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Detailed Lithology		Lithology	Assay Data						
From (m)	To (m)		Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
95.22	95.62	MS, Massive Sulphide massive sulphide vein with mm-sized subrounded to angular dark grey coloured mafic inclusions, zonation pattern shows predominately Cpy near the upper contact becoming more Po enriched away from the contact. irregular upper contact trends 25 deg to the LCA, lower contact at 85 deg to the LCA.							
95.62	98.38	MD, Mafic Dike grey coloured, fine grained, homogenous, trace sulphides, siliceous, competent core.	BL02241	95.65	96.65	1.00	0.0470	0.0270	0.0030
			BL02242	96.65	97.65	1.00	0.0180	0.0180	0.0010
			BL02243	97.65	98.38	0.73	0.0190	0.0220	0.0020
98.38	98.60	SMS, Semi Massive Sulphide low angle Cpy-enriched vein at 05 deg to the LCA. 20% Cpy>Po>>Py	BL02244	98.38	98.78	0.40	0.8210	2.2610	0.0820
98.60	98.78	MS, Massive Sulphide massive sulphide vein comprising 90% Po >> Cpy > Py, minor dark grey mafic inclusions throughout.							
98.78	165.70	GNOR, Gabbro Norite grey-green in colour, medium grained, hypidiomorphic texture, locally well foliated to sheared, cot by the occassional quartz vein, local garnet clusters, moderately competent core - some fracturing, trace sulphides. Structure 101.00 - 102.30 well fractured core 101.67 - 101.72 FAULT GOUGE 126.60 - 126.67 clay gouge on fracture face 129.48 - 129.64 : VN Veins, 40 Deg to CA white QVn, greenish alteration stain. 130.41 - 130.85 : VN Veins, 20 Deg to CA irregular whitish QVn, 40% included mafic material and garnets. 143.21 - 144.00 strongly fractured core 145.65 - 145.98 : VN Veins, 70 Deg to CA white carbonate-quartz vein 155.50 - 155.73 : F Fractured, 15 Deg to CA low angle, green stained fracture - chloritized?	BL02245	98.78	99.15	0.37	0.0120	0.0100	0.0005
			BL02246	99.15	99.50	0.35	0.0240	0.3760	0.0160
			BL02247	99.50	99.90	0.40	0.0270	0.0370	0.0020

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From (m)	To (m)		Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
165.70	222.00	FGN, Felsic Gneiss gradational contact with GNOR unit above, the hole may be going in and out of GNOR / FGN between 165.70 - 198.0m, below 198m the core is beige in colour and more felsic in composition. finer grained than GNOR, contains f.g. garnet clusters from 169.90 - 171.50m, 173.15 - 176.30m, 184.80 - 189.40m (strong), 191.0 - 193.25m, locally fractured, nil sulphides. rhythmic banding and/or layering from 209 to 220.0m. Foliation oriented at 35 to 45 deg to the LCA. Alteration 198.00 - 204.00 :BL Bleaching, BL Bleached, M Moderate brownish-beige colouration Structure 174.20 - 174.25 clay-grit FAULT GOUGE 191.00 - 195.00 moderately fractured core							
222.00	222.01	EOH, End of Hole							

Samples

Sample Number	From (m)	To (m)	Ni%	Cu%	Co%
Sample Type	ASSAY				
BL02203	74.00	75.00	0.0120	0.0025	0.0020
BL02204	75.00	76.00	0.0290	0.0170	0.0030
BL02205	76.00	76.50	0.1480	0.1190	0.0110
BL02206	76.50	77.00	0.1270	0.1130	0.0100
BL02207	77.00	77.50	0.1640	0.1940	0.0150
BL02208	77.50	78.20	0.0470	0.0450	0.0040
BL02209	78.20	78.70	0.1460	0.1220	0.0120
BL02210	78.70	79.30	0.1500	0.1070	0.0110
BL02211	79.30	80.00	0.1390	0.1760	0.0120
BL02212	80.00	81.00	0.0720	0.0590	0.0060
BL02213	81.00	81.50	0.1360	0.0910	0.0100
BL02214	81.50	82.00	0.1360	0.1290	0.0110
BL02215	82.00	82.50	0.2160	0.3600	0.0300
BL02216	82.50	83.00	0.2430	0.2510	0.0290
BL02217	83.00	83.50	0.2170	0.1400	0.0180
BL02218	83.50	84.00	0.2070	0.1520	0.0170
BL02219	84.00	84.50	0.2260	0.2680	0.0200

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Sample Number	From (m)	To (m)	Ni%	Cu%	Co%
Sample Type	ASSAY				
BL02221	84.50	85.00	0.1210	0.0890	0.0100
BL02222	85.00	85.50	0.1880	0.1570	0.0160
BL02223	85.50	86.00	0.3380	0.4150	0.0340
BL02224	86.00	86.50	0.4350	1.0410	0.0720
BL02225	86.50	87.00	0.5640	0.7070	0.0540
BL02226	87.00	87.50	0.5630	0.3630	0.0440
BL02227	87.50	88.00	0.1950	0.1790	0.0160
BL02228	88.00	88.50	0.1530	0.3460	0.0190
BL02229	88.50	89.00	0.0850	0.0870	0.0070
BL02230	89.00	89.50	0.0310	0.0210	0.0020
BL02231	89.50	90.00	0.0710	0.2940	0.0140
BL02232	90.00	90.50	0.1270	0.0880	0.0100
BL02233	90.50	91.00	0.0500	0.0330	0.0050
BL02234	91.00	92.00	0.0630	0.0550	0.0060
BL02235	92.00	93.00	0.0360	0.0340	0.0040
BL02236	93.00	94.00	0.0650	0.0570	0.0060
BL02237	94.00	95.20	0.0520	0.1720	0.0050
BL02238	95.20	95.65	1.6310	1.1100	0.2120
BL02241	95.65	96.65	0.0470	0.0270	0.0030
BL02242	96.65	97.65	0.0180	0.0180	0.0010
BL02243	97.65	98.38	0.0190	0.0220	0.0020
BL02244	98.38	98.78	0.8210	2.2610	0.0820
BL02245	98.78	99.15	0.0120	0.0100	0.0005
BL02246	99.15	99.50	0.0240	0.3760	0.0160
BL02247	99.50	99.90	0.0270	0.0370	0.0020