

Hole Number: ER08-57

Units: METRIC

Project Name: Norway - South Norway	Primary Coordinates Grid: UTM84-32N	Destination Coordinates Grid: UTM:	Collar Dip: -48.80
Project Number: 203	North: 6659660.30	North: 60.07	Collar Az: 60.80
Location: Surface	East: 558293.10	East: 10.05	Length: 86.71 (m)
	Elev: 176.70	Elev: 176.70	Start Depth: 0.00 (m)
Date Started: Apr 05, 2008	Collar Survey: N	Plugged: N	Contractor: Drillcon Core AB
Date Completed: Apr 07, 2008	Multishot Survey: N	Hole Size: NQ	Core Storage: Tyrstrand
Logged By: KLNOR	Pulse EM Survey: N	Casing: Left in Hole	Final Depth: 86.71 (m)

Comments: This hole is designed to test below the OPEN CUT at a shallow depth below on Section 1550N.

## RESULTS:

27.0 - 33.0m = 6.0m 15-20% disseminated to blebby (locally chunky) Po >> Cpy > Py

46.17 - 47.70 = 1.53m 60% Massive Sulphide Vein at the contact between GNOR and FGN. The intercept is about 35m vertical from surface and correlates to the Open Cut mineralization above.

## 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	60.80	-48.80	EZ	OK		25.00	70.40	-48.80	EZ	OK	
50.00	60.70	-48.60	EZ	OK		75.00	59.70	-47.60	EZ	OK	

Detailed Lithology		Assay Data							
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
0	3.50	CAS, Casing							

## DETAILED LOG

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Detailed Lithology		Assay Data							
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
3.50	46.17	GNOR, Gabbro Norite	BL02248	4.60	5.00	0.40	0.2240	0.0980	0.0160
		grey in clour, medium grained, hypidiomorphic tecture, competent core with local fractured sections, blebby, disseminated sulphides throughouth.	BL02249	5.00	6.00	1.00	0.1330	0.1060	0.0100
		Structure	BL02250	6.00	7.00	1.00	0.0710	0.0830	0.0070
		14.30 - 14.90	BL02751	7.00	8.00	1.00	0.1360	0.1610	0.0110
		strongly fractured core	BL02752	8.00	9.00	1.00	0.1360	0.0720	0.0090
		25.29 - 25.50 : VN Veins, 40 Deg to CA	BL02753	9.00	10.00	1.00	0.0960	0.1310	0.0080
		quartz vein shear, chloritized, broken core	BL02754	10.00	11.00	1.00	0.1810	0.0980	0.0110
		41.30 - 41.35	BL02755	11.00	12.00	1.00	0.1500	0.1210	0.0090
		mafic frags and quartz breccia	BL02756	12.00	13.00	1.00	0.0630	0.0380	0.0050
		41.80 - 42.50	BL02757	13.00	14.00	1.00	0.2640	0.0780	0.0180
		sheared and brecciated fabric	BL02758	14.00	15.00	1.00	0.1160	0.0410	0.0080
		MINOR INTERVALS:	BL02759	15.00	16.00	1.00	0.0650	0.0510	0.0060
		Minor Interval:	BL02761	16.00	17.00	1.00	0.1550	0.1030	0.0100
		8.73 - 8.97 PEG, Pegmatite	BL02762	17.00	18.00	1.00	0.1310	0.0780	0.0090
		greenish-white in colour, medium grained, intensely silicified	BL02763	18.00	19.00	1.00	0.1210	0.1740	0.0080
		upper contact @ 20 deg to the LCA	BL02764	19.00	20.00	1.00	0.1020	0.0800	0.0070
		lower contact at 35 deg to the LCA	BL02765	20.00	21.00	1.00	0.0920	0.0780	0.0060
		Minor Interval:	BL02766	21.00	22.00	1.00	0.1890	0.1220	0.0130
		9.22 - 9.47 PEG, Pegmatite	BL02767	22.00	23.00	1.00	0.0860	0.0710	0.0060
		silicified pegmatite similar in appearrance to the unit above from 8.73 - 8.97m.	BL02768	23.00	24.00	1.00	0.1230	0.1250	0.0100
		40% included mafic material.	BL02769	24.00	25.00	1.00	0.2160	0.2020	0.0160
		irregular upper contact	BL02770	25.00	26.00	1.00	0.1200	0.1240	0.0100
		lower contact @ 60 deg to the LCA	BL02771	26.00	27.00	1.00	0.0620	0.0500	0.0060
			BL02772	27.00	28.00	1.00	0.2850	0.2760	0.0210
			BL02773	28.00	29.00	1.00	0.2390	0.1950	0.0180
			BL02774	29.00	30.00	1.00	0.1880	0.1690	0.0140
			BL02775	30.00	31.00	1.00	0.1120	0.1580	0.0080
			BL02776	31.00	32.00	1.00	0.0990	0.0990	0.0080
			BL02777	32.00	33.00	1.00	0.2160	0.1060	0.0160
			BL02778	33.00	34.00	1.00	0.0670	0.0480	0.0070
			BL02779	34.00	35.00	1.00	0.0410	0.0250	0.0050
			BL02781	35.00	36.00	1.00	0.1100	0.1130	0.0100
			BL02782	36.00	37.00	1.00	0.1340	0.0990	0.0120
			BL02783	37.00	38.00	1.00	0.1340	0.1090	0.0120
			BL02784	38.00	39.00	1.00	0.2040	0.0750	0.0180
			BL02785	39.00	40.00	1.00	0.0670	0.0480	0.0080
			BL02786	40.00	41.00	1.00	0.1160	0.1070	0.0110
			BL02787	41.00	42.00	1.00	0.0440	0.0750	0.0050
			BL02788	42.00	43.00	1.00	0.1110	0.1370	0.0100
			BL02789	43.00	44.00	1.00	0.1670	0.1020	0.0140
			BL02790	44.00	45.00	1.00	0.0930	0.1060	0.0100
			BL02791	45.00	45.50	0.50	0.0720	0.0800	0.0100
			BL02792	45.50	46.16	0.66	0.0600	0.0560	0.0090

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Detailed Lithology		Assay Data							
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
			BL02793	46.16	46.56	0.40	1.4760	0.2250	0.0810
46.17	47.70	MS, Massive Sulphide Massive Sulphide Vein at contact between GNOR and FGN Footwall. +50% Po >> Cpy > Py (solid sulphides with f.g. mafic wallrock inclusions)	BL02794	46.56	47.00	0.44	1.8790	0.1320	0.0930
			BL02795	47.00	47.70	0.70	1.8900	0.4220	0.1070
47.70	86.70	FGN, Felsic Gneiss Footwall Gneiss - Felsic in composition light grey in colour, fine grained, conspicuously banded. locally fractured, trace sulphides. MINOR INTERVALS: Minor Interval: 53.26 - 53.44 SMS, Semi Massive Sulphide Semi-massive sulphide veins in Footwall Gneiss (FGN). +35% Po = Cpy >> Py with intervening wallrock.	BL02797	47.70	48.50	0.80	0.0390	0.2270	0.0030
			BL02798	48.50	49.00	0.50	0.0020	0.0080	0.0005
			BL02799	49.00	50.00	1.00	0.0020	0.0290	0.0005
			BL02801	50.00	51.00	1.00	0.0060	0.0470	0.0010
			BL02802	51.00	52.00	1.00	0.0020	0.0430	0.0010
			BL02803	52.00	52.60	0.60	0.0020	0.0150	0.0005
			BL02804	52.60	53.15	0.55	0.0120	0.0850	0.0020
			BL02805	53.15	53.50	0.35	0.4400	3.4310	0.0230
			BL02806	53.50	54.00	0.50	0.0190	0.0910	0.0020
			BL02807	54.00	55.00	1.00	0.0020	0.0120	0.0005
86.70	86.71	EOH, End of Hole							

## Samples

Sample Number	From (m)	To (m)	Ni%	Cu%	Co%
Sample Type	ASSAY				
BL02248	4.60	5.00	0.2240	0.0980	0.0160
BL02249	5.00	6.00	0.1330	0.1060	0.0100
BL02250	6.00	7.00	0.0710	0.0830	0.0070
BL02751	7.00	8.00	0.1360	0.1610	0.0110
BL02752	8.00	9.00	0.1360	0.0720	0.0090
BL02753	9.00	10.00	0.0960	0.1310	0.0080
BL02754	10.00	11.00	0.1810	0.0980	0.0110
BL02755	11.00	12.00	0.1500	0.1210	0.0090
BL02756	12.00	13.00	0.0630	0.0380	0.0050
BL02757	13.00	14.00	0.2640	0.0780	0.0180
BL02758	14.00	15.00	0.1160	0.0410	0.0080
BL02759	15.00	16.00	0.0650	0.0510	0.0060
BL02761	16.00	17.00	0.1550	0.1030	0.0100
BL02762	17.00	18.00	0.1310	0.0780	0.0090
BL02763	18.00	19.00	0.1210	0.1740	0.0080
BL02764	19.00	20.00	0.1020	0.0800	0.0070
BL02765	20.00	21.00	0.0920	0.0780	0.0060

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## Samples

Sample Number	From (m)	To (m)	Ni%	Cu%	Co%
Sample Type	ASSAY				
BL02766	21.00	22.00	0.1890	0.1220	0.0130
BL02767	22.00	23.00	0.0860	0.0710	0.0060
BL02768	23.00	24.00	0.1230	0.1250	0.0100
BL02769	24.00	25.00	0.2160	0.2020	0.0160
BL02770	25.00	26.00	0.1200	0.1240	0.0100
BL02771	26.00	27.00	0.0620	0.0500	0.0060
BL02772	27.00	28.00	0.2850	0.2760	0.0210
BL02773	28.00	29.00	0.2390	0.1950	0.0180
BL02774	29.00	30.00	0.1880	0.1690	0.0140
BL02775	30.00	31.00	0.1120	0.1580	0.0080
BL02776	31.00	32.00	0.0990	0.0990	0.0080
BL02777	32.00	33.00	0.2160	0.1060	0.0160
BL02778	33.00	34.00	0.0670	0.0480	0.0070
BL02779	34.00	35.00	0.0410	0.0250	0.0050
BL02781	35.00	36.00	0.1100	0.1130	0.0100
BL02782	36.00	37.00	0.1340	0.0990	0.0120
BL02783	37.00	38.00	0.1340	0.1090	0.0120
BL02784	38.00	39.00	0.2040	0.0750	0.0180
BL02785	39.00	40.00	0.0670	0.0480	0.0080
BL02786	40.00	41.00	0.1160	0.1070	0.0110
BL02787	41.00	42.00	0.0440	0.0750	0.0050
BL02788	42.00	43.00	0.1110	0.1370	0.0100
BL02789	43.00	44.00	0.1670	0.1020	0.0140
BL02790	44.00	45.00	0.0930	0.1060	0.0100
BL02791	45.00	45.50	0.0720	0.0800	0.0100
BL02792	45.50	46.16	0.0600	0.0560	0.0090
BL02793	46.16	46.56	1.4760	0.2250	0.0810
BL02794	46.56	47.00	1.8790	0.1320	0.0930
BL02795	47.00	47.70	1.8900	0.4220	0.1070
BL02797	47.70	48.50	0.0390	0.2270	0.0030
BL02798	48.50	49.00	0.0020	0.0080	0.0005
BL02799	49.00	50.00	0.0020	0.0290	0.0005
BL02801	50.00	51.00	0.0060	0.0470	0.0010
BL02802	51.00	52.00	0.0020	0.0430	0.0010
BL02803	52.00	52.60	0.0020	0.0150	0.0005
BL02804	52.60	53.15	0.0120	0.0850	0.0020
BL02805	53.15	53.50	0.4400	3.4310	0.0230

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## Samples

Sample Number	From (m)	To (m)	Ni%	Cu%	Co%
Sample Type ASSAY					
BL02806	53.50	54.00	0.0190	0.0910	0.0020
BL02807	54.00	55.00	0.0020	0.0120	0.0005