

Hole Number: ER08-41

Units: METRIC

Project Name: Norway - South Norway	Primary Coordinates Grid: UTM84-32N	Destination Coordinates Grid: UTM:	Collar Dip: -78.20
Project Number: 203	North: 6659565.97	North: 60.07	Collar Az: 59.70
Location: Surface	East: 558354.47	East: 10.05	Length: 234.61 (m)
	Elev: 160.61	Elev: 160.61	Start Depth: 0.00 (m)
Date Started: Jan 16, 2008	Collar Survey: N	Plugged: N	Contractor: Drillcon Core AB
Date Completed: Jan 18, 2008	Multishot Survey: N	Hole Size: NQ	Core Storage: Tyrstrand
Logged By: K Leonard	Pulse EM Survey: N	Casing: Left in Hole	Final Depth: 234.61 (m)

Comments: This hole is designed to test for Ni mineralization at a shallow depth below the "Open Cut" on Line 1450E.

Results:

48.32 - 51.90m: Contact Breccia Zone.
65% semi-massive to massive sulphide veins spatially associated with the GNOR / FGN contact .

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	59.70	-78.20	EZ	OK		25.00	59.80	-78.40	EZ	OK	
50.00	88.40	-78.20	EZ	OK		100.00	64.90	-77.70	EZ	OK	
125.00	66.40	-77.70	EZ	OK							

Detailed Lithology			Assay Data						
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
0	1.30	CAS, Casing							

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From (m)	To (m)		Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
1.30	48.35	GNOR, Gabbro Norite grey in colour, medium grained, massive to foliated to locally sheared, strongly broken core from surface to 24m becoming more competent down section. 3-7% fine to- coarse grained, blebby, disseminated sulphides (i.e Po +/- Cpy) from 11.8 - 15.30m, 33.20 - 37.33m, 38.85 - 40.90m, 43.20 - 44.95m. Structure 12.75 - 12.95 finely ground core 15.20 - 17.15 blocky / fractured core 18.05 - 18.25 blocky core 19.70 - 24.05 strongly fractured	BL01006	31.00	31.50	0.50	0.0820	0.0770	0.0080
			BL01007	31.50	32.00	0.50	0.0950	0.1030	0.0090
			BL01008	32.00	32.50	0.50	0.0820	0.0670	0.0080
			BL01009	32.50	33.00	0.50	0.0510	0.0390	0.0050
			BL01010	33.00	33.50	0.50	0.0640	0.0340	0.0060
			BL01011	33.50	34.00	0.50	0.1000	0.0550	0.0070
			BL01012	34.00	34.50	0.50	0.0440	0.0410	0.0040
			BL01013	34.50	35.00	0.50	0.0950	0.1010	0.0100
			BL01014	35.00	35.50	0.50	0.0960	0.0940	0.0090
			BL01015	35.50	36.00	0.50	0.0800	0.1240	0.0080
			BL01016	36.00	36.50	0.50	0.3380	0.2090	0.0280
			BL01017	36.50	37.00	0.50	0.2840	0.1450	0.0250
			BL01018	37.00	37.50	0.50	0.0720	0.0340	0.0060
			BL01019	37.50	38.00	0.50	0.0230	0.0060	0.0020
			BL01021	38.00	38.50	0.50	0.0180	0.0060	0.0030
			BL01022	38.50	39.00	0.50	0.0750	0.0790	0.0070
			BL01023	39.00	39.50	0.50	0.2630	0.2890	0.0220
			BL01024	39.50	40.00	0.50	0.2610	0.1570	0.0220
			BL01025	40.00	40.50	0.50	0.2330	0.1140	0.0200
			BL01026	40.50	41.00	0.50	0.0790	0.0600	0.0080
			BL01027	41.00	42.00	1.00	0.0550	0.0400	0.0060
			BL01028	42.00	43.00	1.00	0.0450	0.0370	0.0050
			BL01029	43.00	43.50	0.50	0.1030	0.0970	0.0090
			BL01030	43.50	44.00	0.50	0.2620	0.1820	0.0170
			BL01031	44.00	44.50	0.50	0.1900	0.2080	0.0130
			BL01032	44.50	45.00	0.50	0.1470	0.1420	0.0110
			BL01033	45.00	45.50	0.50	0.0570	0.0820	0.0060
			BL01034	45.50	46.00	0.50	0.0110	0.0410	0.0030
			BL01035	46.00	47.00	1.00	0.0610	0.0600	0.0080
			BL01036	47.00	47.50	0.50	0.0680	0.0700	0.0110
			BL01037	47.50	47.85	0.35	0.0660	0.0740	0.0120
			BL01038	47.85	48.20	0.35	0.0210	0.0210	0.0060
			BL01039	48.20	48.55	0.35	0.8770	0.1230	0.0540
48.35	48.49	SMS, Semi Massive Sulphide >50% semi-massive Po vein in fractured / broken core Structure 48.35 - 48.49 sheared, brecciated core							
48.49	49.00	SULF, Sulfide 5-7% disseminated sulphides (Po, +/- Cpy) in STRONGLY fractured GNOR. Structure 48.49 - 49.00 strongly brecciated and sheared	BL01041	48.55	49.00	0.45	0.0250	0.1790	0.0040

DETAILED LOG

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Detailed Lithology		Lithology	Assay Data						
From (m)	To (m)		Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
49.00	49.65	MS, Massive Sulphide 70% massive sulphide (Po) vein with intervening dark grey GNOR wallrock . Contact breccia zone. Structure 49.00 - 49.65	BL01042	49.00	49.65	0.65	1.4200	0.3850	0.1010
49.65	49.90	SULF, Sulfide 5% blebby, coarse grained Po in fractured GNOR Structure 49.65 - 49.90 strongly fractured	BL01043	49.65	49.90	0.25	0.0170	0.0130	0.0060
49.90	50.20	MS, Massive Sulphide 90% massive sulphide vein, contact breccia (Po<Cpy) mineralization. Structure 49.90 - 50.20 strongly brecciated	BL01044	49.90	50.25	0.35	1.3600	0.7880	0.0890
50.20	50.45	SULF, Sulfide 1-3% disseminated sulphides in fractured GNOR. Structure 50.20 - 50.45 fractured core throughout	BL01045	50.25	50.45	0.20	0.1460	0.0630	0.0150
50.45	50.76	SMS, Semi Massive Sulphide 50% semi-massive Cpy and Po vein, strongly brecciated. Structure 50.45 - 50.76 strongly brecciated, GNOR frags	BL01046	50.45	50.80	0.35	1.1280	3.9330	0.0810
50.76	50.95	SULF, Sulfide trace to 1% sulphides. Structure 50.76 - 50.95 broken, fractured core	BL01047	50.80	51.52	0.72	1.6630	0.1380	0.1120
50.95	51.52	MS, Massive Sulphide 90% massive sulphide (Po, Py) vein.. Structure 50.95 - 51.52 strong brecciation							
51.52	51.78	SULF, Sulfide 3-5% disseminated Po mineralization is sheared, brecciated GNOR. Structure 51.52 - 51.78 broken, blocky core	BL01048	51.52	51.95	0.43	0.5240	0.3430	0.0330

Hole Number: ER08-41

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Detailed Lithology		Assay Data							
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
51.78	51.90	SMS, Semi Massive Sulphide sheared, 60% semi-massive sulphide (Po,) veinlet. Structure 51.78 - 51.90 strongly sheared and brecciated							
51.90	139.00	FGN, Felsic Gneiss FOOTWALL FGN: grey in colour, fine grained, laminated and light-dark grey colour banded, locally sheared , dark grey shear band highlights the contact at 51.90m - trends 40 degrees to the LCA. FGN is sheared and brecciated from the contact over a core length of 1m to 52.90m. Alteration 134.70 - 135.15 :BL Bleaching, P Pervasive, S Strong bleached silicified core 136.77 - 138.45 :BL Bleaching, P Pervasive, S Strong bleached silicified core Structure 51.90 - 52.95 51.90 - 52.95 57.30 - 80.00 moderately fractured core 78.80 - 79.65 80.20 - 80.43 : FOL Foliated, 37 Deg to CA colour banded 89.84 - 90.85 strongly fractured 93.62 - 94.00 healed breccia 96.95 - 97.00 sinistral offset of folded lamellae 136.77 - 138.45 healed breccia MINOR INTERVALS: Minor Interval: 118.35 - 118.58 PEG, Pegmatite greyish white in colour, coarse grained, pervasively silicified with 25% included mafic material, sharp upper and lower contacts at 20 and 35 degrees to the LCA respectively.	BL01049	51.95	52.45	0.50	0.0530	1.9330	0.0050
			BL01050	52.45	52.95	0.50	0.0050	0.9940	0.0020
			BL01051	52.95	53.45	0.50	0.0020	0.9910	0.0030
139.00	143.70	FLT, Fault pervasive clay fault gouge and unconsolidated, broken core, 0.17cm sections show intense brecciation							

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From (m)	To (m)		Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
143.70	165.65	GNOR, Gabbro Norite grey in colour, medium grained, intrusive / hypidiomorphic granular texture, massive to weakly foliated, comprised of plag-qtz-hbl-d-pyx-bio-chl-carb+/-grnt, locally fractured, rare qtz veining, nil sulphides.							
165.65	190.70	FGN, Felsic Gneiss grey in colour, fine to-medium grained, gneissic texture, intermittent layering, competent core, nil sulphides.,							
190.70	234.60	MGN, Mafic Gneiss MGN or possibly GNOR (Gabbro-Norite) grey in colour, coarse grained, mottled texture, well foliated in-part gneissic, ranging from 25 to 40 degrees to the LCA,, minor isolated garnet, competent core, nil sulphides. Structure 228.10 - 229.00 : FOL Foliated, 26 Deg to CA pervasively foliated 231.03 - 234.00 : FOL Foliated, 40 Deg to CA uniformly foliated							
234.60	234.61	EOH, End of Hole							

Samples

Sample Number	From (m)	To (m)	Ni%	Cu%	Co%
Sample Type	ASSAY				
BL01006	31.00	31.50	0.0820	0.0770	0.0080
BL01007	31.50	32.00	0.0950	0.1030	0.0090
BL01008	32.00	32.50	0.0820	0.0670	0.0080
BL01009	32.50	33.00	0.0510	0.0390	0.0050
BL01010	33.00	33.50	0.0640	0.0340	0.0060
BL01011	33.50	34.00	0.1000	0.0550	0.0070
BL01012	34.00	34.50	0.0440	0.0410	0.0040
BL01013	34.50	35.00	0.0950	0.1010	0.0100
BL01014	35.00	35.50	0.0960	0.0940	0.0090
BL01015	35.50	36.00	0.0800	0.1240	0.0080
BL01016	36.00	36.50	0.3380	0.2090	0.0280
BL01017	36.50	37.00	0.2840	0.1450	0.0250
BL01018	37.00	37.50	0.0720	0.0340	0.0060
BL01019	37.50	38.00	0.0230	0.0060	0.0020
BL01021	38.00	38.50	0.0180	0.0060	0.0030
BL01022	38.50	39.00	0.0750	0.0790	0.0070
BL01023	39.00	39.50	0.2630	0.2890	0.0220
BL01024	39.50	40.00	0.2610	0.1570	0.0220

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Samples

Sample Number	From (m)	To (m)	Ni%	Cu%	Co%
Sample Type	ASSAY				
BL01025	40.00	40.50	0.2330	0.1140	0.0200
BL01026	40.50	41.00	0.0790	0.0600	0.0080
BL01027	41.00	42.00	0.0550	0.0400	0.0060
BL01028	42.00	43.00	0.0450	0.0370	0.0050
BL01029	43.00	43.50	0.1030	0.0970	0.0090
BL01030	43.50	44.00	0.2620	0.1820	0.0170
BL01031	44.00	44.50	0.1900	0.2080	0.0130
BL01032	44.50	45.00	0.1470	0.1420	0.0110
BL01033	45.00	45.50	0.0570	0.0820	0.0060
BL01034	45.50	46.00	0.0110	0.0410	0.0030
BL01035	46.00	47.00	0.0610	0.0600	0.0080
BL01036	47.00	47.50	0.0680	0.0700	0.0110
BL01037	47.50	47.85	0.0660	0.0740	0.0120
BL01038	47.85	48.20	0.0210	0.0210	0.0060
BL01039	48.20	48.55	0.8770	0.1230	0.0540
BL01041	48.55	49.00	0.0250	0.1790	0.0040
BL01042	49.00	49.65	1.4200	0.3850	0.1010
BL01043	49.65	49.90	0.0170	0.0130	0.0060
BL01044	49.90	50.25	1.3600	0.7880	0.0890
BL01045	50.25	50.45	0.1460	0.0630	0.0150
BL01046	50.45	50.80	1.1280	3.9330	0.0810
BL01047	50.80	51.52	1.6630	0.1380	0.1120
BL01048	51.52	51.95	0.5240	0.3430	0.0330
BL01049	51.95	52.45	0.0530	1.9330	0.0050
BL01050	52.45	52.95	0.0050	0.9940	0.0020
BL01051	52.95	53.45	0.0020	0.9910	0.0030