

Hole Number: ES08-107

Units: METRIC

Project Name: Norway - Espedalen	Primary Coordinates Grid: UTM84-32N	Destination Coordinates Grid: UTM:	Collar Dip: -50.00
Project Number: 201	North: 6804014.00	North: 61.37	Collar Az: 50.00
Location: Trona	East: 536619.00	East: 9.69	Length: 245.71 (m)
	Elev: 855.00	Elev: 855.00	Start Depth: 0.00 (m)
Date Started: Jan 18, 2008	Collar Survey: N	Plugged: N	Contractor: Drillcon Core AB
Date Completed: Jan 22, 2008	Multishot Survey: N	Hole Size: TT46	Core Storage: Tyrstrand
Logged By: rdnor	Pulse EM Survey: N	Casing: Left in Hole	Final Depth: 245.71 (m)

Comments: Target: Plate ESP_020 and interpreted NE contact of UMAF's

Result: 200-207m
1-2% diss. Po, 1-2% diss. Pn. Trace Cpy

220.30-220.60 m
2% Veiny Po w/ 0.5% Cpy

Sample Averages

Detailed Lithology		Assay Data							
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
0	7.80	O/B, Overburden Overburden							
7.80	208.30	UM, Ultramafic Ultramafic Black fg pyroxenite with poikoblastic texture through out. Broken and fractured surfaces have slight carbonate and chlorite alterations. Blocky and broken core in sections, highly competent in others. Magnetite at fracture surfaces. Talcose alteration on fractured surfaces as well. Mineralization: 200-205m 1% Pn & 1% Po 205-207m 2-3% Po 1-2% Pn 1% Cpy 220.30-220.60m 2% Veiny Po w/ 0.5% Cpy Mineralization 200.00 - 205.00 : PN Pentlandite, DIS Disseminated, 1% 200.00 - 205.00 : PO Pyrrhotite, DIS Disseminated, 1% 205.00 - 207.00 : Cpy Chalcopyrite, TR Trace, 0.5% 205.00 - 207.00 : PN Pentlandite, DIS Disseminated, 1.5% 205.00 - 207.00 : PO Pyrrhotite, DIS Disseminated, 2.5%	PG08449	200.05	201.00	0.95	0.0980	0.0130	0.0170
			PG08450	201.00	202.00	1.00	0.1570	0.0440	0.0200
			PG08451	202.00	203.00	1.00	0.2120	0.1100	0.0230
			PG08452	203.00	204.00	1.00	0.1830	0.0640	0.0200
			PG08453	204.00	205.00	1.00	0.1790	0.0700	0.0180
			PG08454	205.00	205.90	0.90	0.1750	0.0800	0.0150
			PG08455	205.90	207.00	1.10	0.1390	0.0580	0.0130
			PG08456	207.00	208.00	1.00	0.0930	0.0410	0.0090
			PG08457	208.00	209.00	1.00	0.0630	0.0370	0.0070

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Detailed Lithology		Lithology	Assay Data						
From (m)	To (m)		Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
208.30	245.70	GNOR, Gabbro Norite Gabbro-Norite White to Grey/Black med. grained gabbro/norite, Textures range from brecciated to mottled. 1mm to >>1cm plag grains with interstitial px. Heterogenous. Epidote alteration varying grain size. No overall fabric. Speckled to mottled overall, approaching "snowflake" gabbro texture. Moderately competent. <1mm mafic veins throughout. Mineralization: 220.30 to 220.60 2% Veiny Po w/ 0.5% Cpy Mineralization 220.30 - 220.60 : Cpy Chalcopyrite, TR Trace, 0.5% 220.30 - 220.60 : PO Pyrrhotite, VN Veins, 2%	PG08458	209.00	209.40	0.40	0.0430	0.0300	0.0060
			PG08459	209.40	210.20	0.80	0.0420	0.0210	0.0060
			PG08461	210.20	211.00	0.80	0.0560	0.0260	0.0070
			PG08462	211.00	211.65	0.65	0.0380	0.0340	0.0050
			PG08463	211.65	212.65	1.00	0.0830	0.0770	0.0100
			PG08464	212.65	213.75	1.10	0.0280	0.0130	0.0040
			PG08465	213.75	214.90	1.15	0.0080	0.0025	0.0030
			PG08466	214.90	215.80	0.90	0.0120	0.0090	0.0030
			PG08467	215.80	216.80	1.00	0.0170	0.0090	0.0040
			PG08468	216.80	217.80	1.00	0.0150	0.0120	0.0030
			PG08469	217.80	218.40	0.60	0.0080	0.0025	0.0030
			PG08470	218.40	219.35	0.95	0.0150	0.0100	0.0060
			PG08471	219.35	220.30	0.95	0.0020	0.0025	0.0020
			PG08472	220.30	220.60	0.30	0.0280	0.0260	0.0070
			PG08473	220.60	221.60	1.00	0.0310	0.0025	0.0050
			PG08474	221.60	222.60	1.00	0.0410	0.0025	0.0060
245.70	245.71	EOH, End of Hole							

Samples

Sample Number	From (m)	To (m)	Ni%	Cu%	Co%
Sample Type	ASSAY				
PG08449	200.05	201.00	0.0980	0.0130	0.0170
PG08450	201.00	202.00	0.1570	0.0440	0.0200
PG08451	202.00	203.00	0.2120	0.1100	0.0230
PG08452	203.00	204.00	0.1830	0.0640	0.0200
PG08453	204.00	205.00	0.1790	0.0700	0.0180
PG08454	205.00	205.90	0.1750	0.0800	0.0150
PG08455	205.90	207.00	0.1390	0.0580	0.0130
PG08456	207.00	208.00	0.0930	0.0410	0.0090
PG08457	208.00	209.00	0.0630	0.0370	0.0070
PG08458	209.00	209.40	0.0430	0.0300	0.0060
PG08459	209.40	210.20	0.0420	0.0210	0.0060
PG08461	210.20	211.00	0.0560	0.0260	0.0070
PG08462	211.00	211.65	0.0380	0.0340	0.0050
PG08463	211.65	212.65	0.0830	0.0770	0.0100
PG08464	212.65	213.75	0.0280	0.0130	0.0040
PG08465	213.75	214.90	0.0080	0.0025	0.0030
PG08466	214.90	215.80	0.0120	0.0090	0.0030
PG08467	215.80	216.80	0.0170	0.0090	0.0040
PG08468	216.80	217.80	0.0150	0.0120	0.0030

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Samples

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Sample Type	ASSAY				
PG08469	217.80	218.40	0.0080	0.0025	0.0030
PG08470	218.40	219.35	0.0150	0.0100	0.0060
PG08471	219.35	220.30	0.0020	0.0025	0.0020
PG08472	220.30	220.60	0.0280	0.0260	0.0070
PG08473	220.60	221.60	0.0310	0.0025	0.0050
PG08474	221.60	222.60	0.0410	0.0025	0.0060